

2018-19

5th ANNUAL REPORT

5वाँ वार्षिक प्रतिवेदन



दिल्ली प्रौद्योगिकी विश्वविद्यालय
DELHI TECHNOLOGICAL UNIVERSITY



2018-19

5th ANNUAL REPORT

5 वॉ वार्षिक प्रतिवेदन

(01 अगस्त, 2018 - 31 जुलाई, 2019)

(01 August, 2018 - 31 July, 2019)



दिल्ली प्रौद्योगिकी विश्वविद्यालय
DELHI TECHNOLOGICAL UNIVERSITY

(Formerly Delhi College of Engineering)
Govt. of NCT of Delhi

Bawana Road, Delhi-110042



उपराज्यपाल
दिल्ली
LIEUTENANT GOVERNOR
DELHI



राज निवास
दिल्ली-११००५४
RAJ NIWAS
DELHI-110054



MESSAGE

It gives me immense pleasure to learn that the Delhi Technological University (DTU) is publishing its Annual Report for the Academic Year 2018-2019.

The Annual Report provides a bird's eye view about the University, including its history, significant milestones, information regarding faculty, students, etc. The Annual Report details the important activities undertaken by the University in the past one year and how University is planning to organize events in the coming year so that the momentum of growth of the institution is sustained. The report also gives us an update on the status of endowments and financial results for the fiscal.

DTU (Erstwhile Delhi College of Engineering) has a glorious past of more than 78 years and is widely acclaimed for its excellence in education, research & training. I believe that the young graduates of this University will be able to contribute immensely to the society as educated and skilled people are the fuel of a developing nation.

The DTU has been imparting quality education through an outcome and value-based system. I hope that the recently started new courses in Management will add up to this tradition at the University. I have been informed that the University has signed a number of MoUs with institutes of national & international repute and many progressive decisions have been taken by the University's Board of Management.

I extend my heartiest congratulations to all on this occasion of publishing of the Annual Report and wish all stakeholders the very best for their future endeavors.

(Anil Baijal)



ARVIND KEJRIWAL
CHIEF MINISTER



GOVT. OF NATIONAL CAPITAL TERRITORY OF DELHI
DELHI SECRETARIAT, I.P. ESTATE, NEW DELHI-110002
Tel. : 23392020, 23392030



D.O.No.: 0-SD CMT/131
Date: 30/12/19

MESSAGE

It gives immense pleasure to learn that the **Delhi Technological University** is publishing its' Annual Report for the Academic Year 2018-2019. I extend my best wishes to all the stakeholders on this occasion for their truly magnificent achievement.

Education over time gone through many innovations, especially in the present era with technological advances and globalization. I feel proud to see that the University is adapting to these transformations. In a nation that requires rapid modernization alongwith sustainable development, a workforce comprising of youth that excels in their respective fields with technical acumen, flair, quality consciousness and awareness, shall go a long way.

I am happy to note the significant progress and growth of DTU in the last few years. The development of East Delhi Campus located at the heart of East delhi will provide a large number of opportunities for Delhi.

I congratulate Vice-Chancellor and his team involved in the compilation of the Annual Report.

(Arvind Kejriwal)



MANISH SISODIA

मनीष सिसोदिया



DEPUTY CHIEF MINISTER
GOVT. OF NCT OF DELHI
उप मुख्यमंत्री, दिल्ली सरकार
DELHI SECTT, I.P. ESTATE
दिल्ली सचिवालय, आई०पी०एस्टेट,
NEW DELHI-110002
नई दिल्ली-110002
Email : msisodia.delhi@gov.in

D.O. No. Dyem/2019/883

Date : 30, December, 2019.

MESSAGE

As Delhi Technological University publishes its Annual Report for the Academic Year 2018-19, it gives me immense pleasure to behold yet another year of achievements, achieving an immensely important milestone in the journey of Delhi Technological University to success. I congratulate all stakeholders in their efforts to make this day possible. This is certainly a moment of great pride for the faculty members, students, and their family members and friends.

It is a matter of great pride to witness the evolution of students of Delhi Technological University into skilled and qualified professional. A degree is a basis for a durable foundation. On this occasion, students are not just taking away a piece of paper, but their years of hand work, their visa to the future career and themselves as an aware and accountable citizen.

It is my fervent hope that the remarkable accomplishment of students and the administration in this Academic Year in DTU will be not merely a momentous occasion in their lives, but one that will contribute to their vision for change in the world. It is incumbent upon all of us to contribute to the nation and its development with all our hearts, knowledge and skills.

I congratulate all the stakeholders of DTU involved in the compilation of the Annual Report. I wish high success to the faculty members, staff and students of the University.

(Manish Sisodia)



DELHI
TECHNOLOGICAL
UNIVERSITY
Delhi College of Engineering



डॉ. जी. नरेन्द्र कुमार, भा.प्र.से.
प्रधान सचिव
प्रशिक्षण एवं तकनीकी शिक्षा

Dr. G. Narendra Kumar, I.A.S.
Principal Secretary
Training & Technical Education



राष्ट्रीय राजधानी क्षेत्र, दिल्ली सरकार
प्रशिक्षण एवं तकनीकी शिक्षा विभाग
मुनि माया राम मार्ग, नजदीक टी. वी. टावर,
पीतमपुरा, दिल्ली - 110034
Government of N.C.T. of Delhi
Department of Trg. & Tech. Education
Muni Maya Ram Marg, Near T.V. Tower,
Pitam Pura, Delhi - 110034
Tele No. : 27322573, 27322948
Fax : 27325341
Email : pstechedu@nic.in

D.O. No. PS/PR/SECT/TTE/2019/429

Date: 23.12.2019

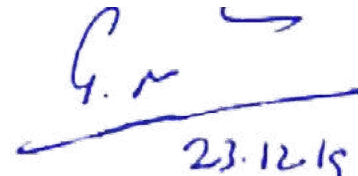
MESSAGE

I congratulate Delhi Technological University for bringing out its Annual Report for the Academic year 2018-2019.

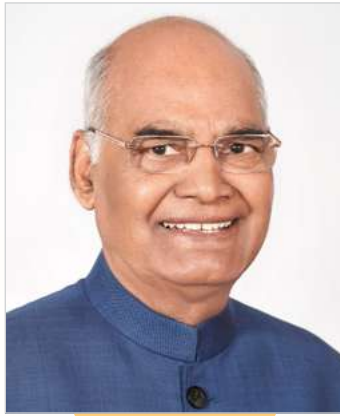
Delhi Technological University is a premier engineering Institution in India and has been the alma mater to generations of top quality engineers. Through a combination of their hard work, dedication and technical skills in science, technology, and engineering, DTU alumni have been a dominant force in many a domain in all over the World. I also believe that the onus to uphold the invaluable legacy of DTU lies on those who have graduated in the past, those who are graduating today, and those who will graduate in the future. I am sure that they will surpass the expectations of all stakeholders in their future professional lives.

I learn that DTU has been accredited by NAAC recently as 'A' grade and is ranked 34th in NIRF Rankings. The strategic plan of 2019-30 is an excellent initiative taken by DTU.

I congratulate the Vice-Chancellor and his team in the compilation of the Annual Report. I wish every success to the faculty members, staff and students of the University.

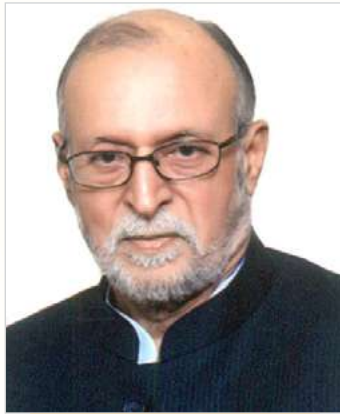

23.12.19
(Dr. G. Narendra Kumar)





VISITOR

His Excellency Shri Ram Nath Kovind
President of India



CHANCELLOR

Hon'ble Shri Anil Bajjal
Lt. Governor, Govt. of NCT, Delhi



Shri Arvind Kejriwal
Hon'ble Chief Minister
Govt. of NCT, Delhi



Shri Manish Sisodia
Hon'ble Deputy Chief Minister and Minister
for Training & Technical Education
Govt. of NCT, Delhi





Prof. Yogesh Singh
Vice Chancellor



Prof. S. K. Garg
Pro-Vice Chancellor



Prof. Anu Singh Lather
Pro-Vice Chancellor



Prof. Samsher
Registrar



Prof. M. M. Tripathi
Director, Internal Quality Assurance
Cell (IQAC)



DEANS



Prof. H. C. Taneja
Dean, Academics (PG)



Prof. A. Trivedi
Dean, Industrial Research
Development



Prof. Madhusudan Singh
Dean, Academics (UG)



Prof. R.S. Mishra
Dean, Outreach &
Extension Activities



Prof. Samsher
Dean, Student Welfare



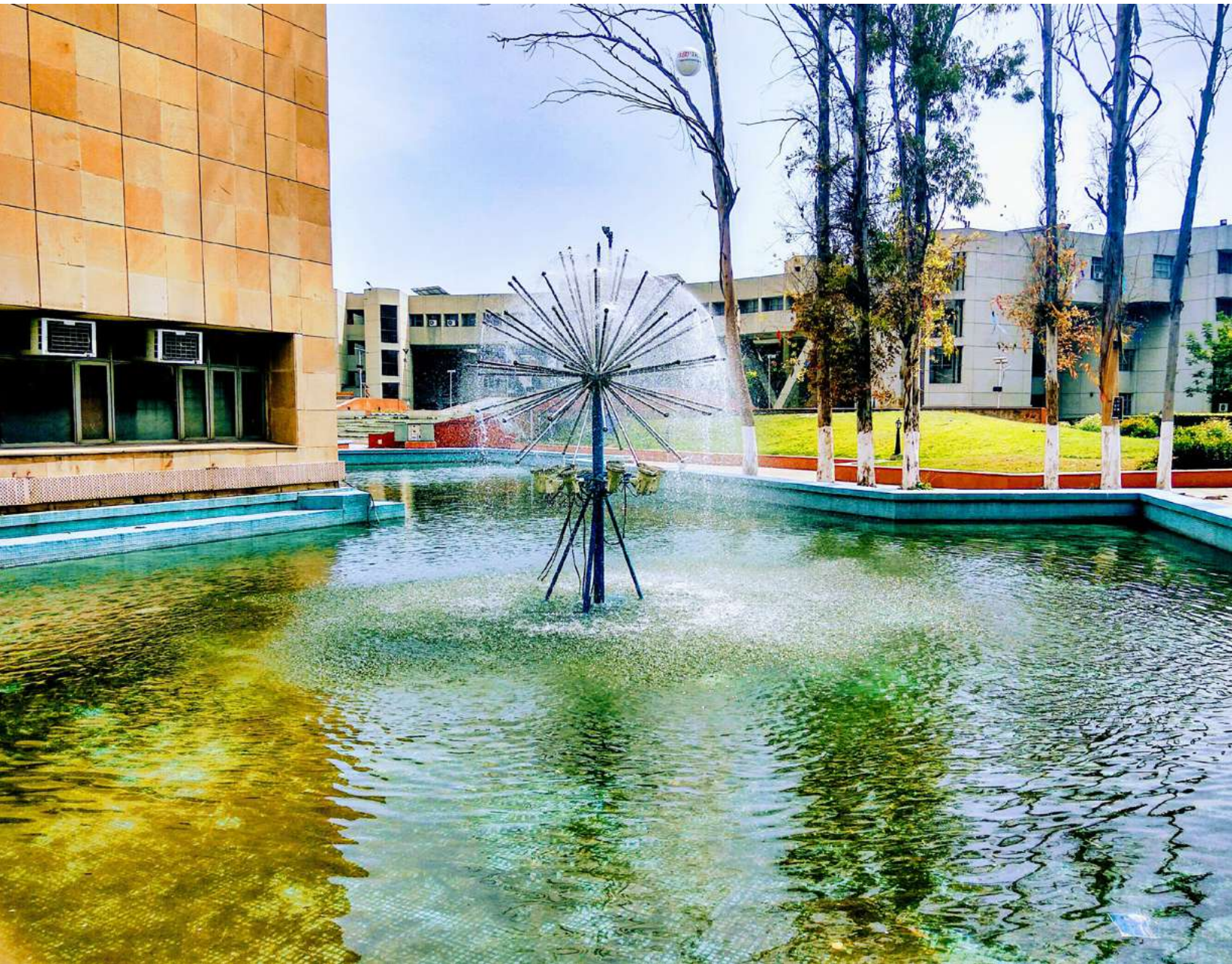
Prof. Pragati Kumar
Dean, Continuing
Education



Prof. Vishal Verma
Dean, International Affairs



Prof. Pravir Kumar
Dean, Alumni Affairs



Head of Departments



Prof. Archana Rani
Head of Department
Applied Chemistry



Prof. Sangita Kansal
Head of Department
Applied Mathematics



Prof. Rinku Sharma
Head of Department
Applied Physics



Prof. Jai Gopal Sharma
Head of Department
Biotechnology



Prof. Nirendra Dev
Head of Department
Civil Engineering



Prof. Rajni Jindal
Head of Department
Computer Science and
Engineering



Prof. Rajan Yadav
Head of Department
Delhi School of Management



Prof. Ranganath M. Singari
Head of Department
Department of Design



Head of Departments



Prof. S. Indu
Head of Department
Electronics & Communication
Engineering



Prof. Madhusudan Singh
Head of Department
Electrical Engineering



Prof. S. K. Singh
Head of Department
Environmental Engineering



Dr. Nand Kumar
Head of Department
Humanities



Prof. Kapil Sharma
Head of Department
Information Technology



Prof. Vipin
Head of Department
Mechanical Engineering



Prof. Amit Mookerjee
Head of Department
University School of Management and Entrepreneurship



VISION, MISSION & QUALITY POLICY

VISION

“To be a world class university through education, innovation, and research for the service of humanity”

1

To establish Centres of excellence in emerging areas of science, engineering, technology, management and allied areas.

5

To provide environment friendly, reasonable and sustainable solutions for local and global needs.

MISSION

2

To foster an ecosystem for incubation, product development, transfer of technology and entrepreneurship.

4

To develop human potential with analytical abilities, ethics and integrity.

3

To create environment of collaboration, experimentation, imagination and creativity.

QUALITY POLICY

The university is committed to achieving global standards of excellence in the field of Science, Technology, Management and allied areas by disseminating knowledge through cutting-edge research, education and innovation. We adopt best practices to maintain high standards in the core and allied functions through continuous evaluation and improvement of our processes.

CORE VALUES

Integrity

We do what we say through trust, transparency and honesty.

Compassion

We foster civilized mindset for kindness, consideration and benevolence.

Commitment

We dedicate ourselves completely to all our endeavors.

Creativity

We nurture innovation, imagination and ideation.

Collaboration

We promote team work through togetherness, harmony and acknowledgment.

Inclusion

We embrace diversity with respect, acceptance and affirmation.

ROADMAP FOR ACHIEVING VISION



Strengthening Education

- Flexible Curriculum
- Outcome-based education
- Focus on research, innovation & Entrepreneurship
- Project and Experiment based learning



Product Development & Entrepreneurship

- Incubation & Innovation Foundation (19 companies working currently)
- Product & Entrepreneurship
- Track introduced in UG & PG curriculum



Collaboration & Creativity

- Research Excellence Award & Grants for researchers
- MoUs with leading industries and universities
- Research Track introduced in PG & UG Curriculum



Ethics & Integrity

- FECs on values, ethics and sports
- Regular workshop on ethical values, professionalism
- Training programs for development of analytical abilities & critical thinking



Historical Background

Delhi Technological University (DTU) is a non-affiliating, teaching and research University at Delhi to achieve excellence in science, engineering, technology, management and allied areas and matters connected there with or incidental thereto. The University enables students to face the wide-ranging changes taking place in the fields of science, technology, environment and management. This includes innovation, design, development, construction, production, managerial and entrepreneurial activities. The University lays great emphasis on assisting students in the development of national character, self-confidence, leadership and fostering an ecosystem for creativity and imagination.

This university was initially established with the name of Delhi Polytechnic in the year 1941 and was renamed to Delhi College of Engineering in 1965. In 2009, Delhi Technological University was reconstituted from Delhi College of Engineering by the Government of NCT of Delhi. The University has an illustrious history spanning over 78 years.

The newly established East Delhi Campus of DTU has been functional since the 2017-18 academic session. It is located at Vivek Vihar, Phase II, Delhi. This campus endeavors to provide quality education, research, and innovation in the emerging areas of management relevant to industry and society.

This premier institution is globally well-known for its outstanding education, research, and innovations. The University currently offers various interdisciplinary and industry relevant programmes in science, technology, management, and allied areas at both the undergraduate and postgraduate level. The University has established a strong academia-industry interface and has collaborations with reputed research organizations, industries, and premier institutions. A great many alumni of the institute have excelled at home and abroad and through their contributions to the profession of engineering they have brought high honour and enhanced the dignity of engineering fraternity being rolled out from institutions in India. In fact, the DTU is a highly preferred choice of the meritorious students in the country. With its illustrious history, strong alumni power worldwide, profound contributions to the growth of quality human capital in engineering and technology and a campus vibrant with technology innovations unleashing the enormous power of creativity of the talented new generation professionals, DTU has earned the reputation of being one of the premier University of Technology in the Country.



Sustainability

- Green Campus
- Zero Discharge Campus
- Sewerage Treatment Plant
- Solar Power Plant
- Organic to Waste Energy Plant



स्वास्थ्य केंद्र
HEALTH CENTRE

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ANNUAL REPORT : AT A GLANCE

2018-19

DEPARTMENTS/CENTRES/UNITS

Academic Departments/Centres	15
Service Centres/Other Units	09

GRANTS

Govt. of NCT, Delhi Plan Grant:
₹ 26,00,00,000

STUDENTS ADMITTED

B. Tech.	2070
B. Tech. (Lateral Entry)	60
B. Tech. (Evening)	225
M. Tech.	308
MBA	129
Executive MBA	42
Ph.D.	360
MBA (USME)	46
MBA-BA	29
BBA (USME)	141
BA-ECONOMICS	133
B.Des.	60
Total	3,603

STUDENTS STRENGTH

B. Tech. (Full Time)	7700
B. Tech. (Evening)	680
M. Tech.	638
MBA	234
Executive MBA	93
Ph.D.	993
MBA (USME)	105
MBA-BA	29
BBA (USME)	258
BA-ECONOMICS	229
B.Des.	60
Total	11,019

FACULTY/STAFF STRENGTH

Regular Faculty	283
Total Faculty	430
Non-Teaching Staff in Position	108
Non-Teaching Staff in Position (Contractual)	70
Total	608

NUMBER OF DEGREES AWARDED

B. Tech.	1501
B. Tech. Evening	135
M.Tech.	237
MBA	150
Executive MBA	40
M.Tech Part Time	20
Ph.D.	62
Total	2145

CONSULTANCY PROJECTS

Number of Projects	35
Outlay (Rs.)	₹ 8,22,49,71,811/-
MoUs	04

SPONSORED RESEARCH PROJECTS

Number of Projects	12
Outlay (Rs.)	4,28,40,695/-

RESEARCH PUBLICATIONS

Journals	626
Conference/Symposia	320
Patent	03
Book Chapters	62
Total	1011

OUR VISIONARY LEADERS

PRINCIPALS



Prof. W. W. Wood
Jan. 1941 to Aug.1946



Prof. R.G.P.S. Fairbairn
Sept. 1946 to Sept. 1949



Prof. S.C. Sen
Sept. 1949 to Dec. 1966



Prof. J. N. Moudgil
Feb. 1968 to April 1971



Prof. R. C. Narayanan
Feb. 1972 to May 1980

OUR VISIONARY LEADERS

PRINCIPALS



Prof. M. L. Mandal
June 1980 to July 1989



Prof. N. L. Sachdeva
Aug. 1999 to Feb. 2003



Prof. D. Goldar
Feb. 2003 to Aug. 2003 &
Oct. 2006 to Dec. 2007



Prof. Ashok Bhattacharyya
Jan. 2008 to Aug. 2008



Prof. P.B. Sharma
Dec. 1990 to Aug. 1999
Aug. 2003 to Oct. 2006
Aug. 2008 to July 2009

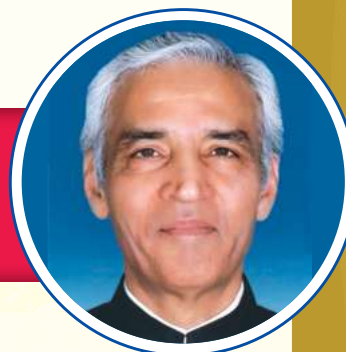
OUR VISIONARY LEADERS

HON'BLE CHANCELLORS

1

SHRI TEJENDRA KHANNA

July 2009 to July 2013



2

SHRI NAJEEB JUNG

July 2013 to Dec. 2016

3

SHRI ANIL BAIJAL

Dec. 2016 to till date



VICE CHANCELLORS



Prof. P.B. Sharma

July 2009 to July 2014



Prof. Pradeep Kumar

Aug. 2014 to Sept. 2015



Prof. Yogesh Singh

Sept., 2015 to till date



Vice Chancellor's

REPORT

Delhi Technological University (Erstwhile Delhi College of Engineering) has a glorious past of more than 78 years and is widely acclaimed for its excellence in education, research & training. DTU's transformation from Delhi Polytechnic to Delhi College of Engineering and then finally to Delhi Technological University has taken an astounding shape and the autonomy granted to it has spurred progress in several uncharted territories. The various transformations have helped us to remain young and energetic in our endeavour for academic excellence.

With a history of over 78 years in providing technical education within modern educational infrastructure, DTU is an institution which defines and continues to update frontiers of Science, Technology and Management. DTU is fully networked with Industrial, Academic & Scientific community. It has partnerships with leading Universities and Industries in India & abroad. DTU has the alma mater of a highly distinguished pool of World class Engineers, Technologists and Entrepreneurs which includes **Vinod Dham**, the father of the Pentium Chip, **Promod Haque**, the world's most widely acclaimed Venture Capitalist, **Raj Soin**, the Avionics wizards of US & a top ranking Techno Entrepreneur, **Durgadas Agrawal**, the renowned Techno-Entrepreneur based in Houston, **Dr. D. Yogi Goswami** (Director, Clean Energy Research Center at the University of South Florida), **Ashok K. Baweja** (Head, QuEST Global Defence Engineering Services), **Sanjay Nayar** (CEO, Kohlberg Kravis Roberts India Advisors Pvt. Ltd.), to name a few. Delhi Technological University has been the pioneer of Quality Technical Education, Research and Innovation.

Our University has kept the quality of education & research as its main focus of academic and Professional activities, and this has earned us a high reputation in the country and abroad. This is evident from DTU figuring several times among the Top Ten Engineering Institutions in the country, along with the prestigious IITs. Delhi Technological University has taken several new initiatives in restructuring and strengthening its academic programmes at Postgraduate and Undergraduate levels during the years. Introduction

of new programs at the postgraduate level and focus on research and development are crucial factors that have helped in the recognition of DTU as a premier University for higher learning. The University has emerged as the leading Technological University for higher technical education and research in the country. DTU continues to be the one of the most sought-after destination for undergraduate and postgraduate studies and attracts the top performers in national examinations such as JEE (Mains) and GATE.

We are aware of the enhanced expectations of the student community and public at large and strive to live up to our image that has been so persistently built up over the years. We at DTU are committed to achieve our goals to create an environment in which we can nurture our students to be knowledgeable, innovative and trained to work unceasingly to serve the Nation and society. The development of the Nation depends upon their technical competence and work ethics that they have imbibed during their formative years as students. We are focused to keep pace with the continual progress in the fields of science and technology. The characteristics of the student population at the university are undergoing a significant change in the recent times. The university has responded pragmatically to the large increase in its intake by substantially reorienting itself academically, technologically and administratively and using it as a great opportunity to retain its leadership in engineering education in the country. The undergraduate curriculum for engineering education is designed in such a way that it introduces a new rigor and methodology in undergraduate teaching, laying emphasis on developing analytical skills and challenging the students intellectually.

The university currently offers 14 B.Tech., 20 M.Tech., 3 M.Sc., M.B.A., B.Des., B.Tech. (Evening), BBA, BA (Economics), MBA (Business Analytics), Executive MBA and Ph.D. programs. Keeping the demand for specialization in entrepreneurship and innovation in view, the East Delhi Campus of the University has started two new programs this year, M.B.A. Innovation, Entrepreneurship & Venture Development and M.B.A. Family Business & Entrepreneurship. These programs will energize and enhance entrepreneurship skills of students and provide them facilities and opportunities to become a successful entrepreneur. In the year 2018-19, with the initiative of Government of NCT of Delhi, admission to the B.Tech. Programmes at Delhi Technological University was conducted through common counseling, Joint Admission Counseling (JAC), along with three other technical universities/ institutes viz. Indira Gandhi Delhi Technical University for Women (IGDTUW), Netaji Subhash University of Technology (NSUT) and Indraprastha Institute of Information Technology Delhi (IIITD). In this way, total 2130 admissions in B. Tech. at DTU were made through common counseling and 225 admissions were made in B. Tech evening. The admission to the category PIO/ FN/ NRI has been conducted through DASA and 141 students were admitted this year. Total of 10 students were admitted under PMSSS in B. Tech. A total of 141 students were admitted in BBA, 135 in BA-Economics (Hons.), and 60 in B.Des. in 2018-19. The total 2689 Undergraduate students were admitted in the year 2018-19. A total 308 students were admitted in M. Tech. and 246 students were admitted in various MBA programmes. The total Post graduate admissions in 2018-19 are 554. In 2018-19, 360 Ph.D. scholars were admitted.

Delhi Technological University has been selected as Mentor Institute for the TEQIP-III Project for Mentee Institute Madhav Institute of Technology and Science, Gwalior w.e.f. 1st April, 2017 and shall conclude by 30th September, 2020. The institute is covered under Sub-component 1.3: Twinning Arrangements to Build Capacity and Improve Performance. All Post graduate and Ph.D. students involved in research are given the opportunity to interact with research community at the National and International level by providing funds to attend International/National Conferences through TEQIP-III. The research scholars are the primary beneficiary of TEQIP-III scheme, however a good number of PG and UG students have also been benefited. The DTU has signed 4 MoUs in 2018-19 with various universities, institutions and organizations making a total of 28 operational MOUs.

With the mission of providing leading industries with the brightest minds of country DTU entered the 2018-19 placements seasons with confidence. The process began in June 2018 by sending invitation to companies to visit the University for pre-Placement Talks and provide their job announcements. The talks provided avenue for interaction and familiarization of students with the recruiting organizations and their work profile. In academic year 2018-19, a total of 323 organizations took part in campus placements and offered 1306 jobs to B. Tech. students. Highest salary package offered was 1.01 Crores by Facebook in the year 2018-19. Students from B. Tech., M. Tech, MBA programs in various fields of engineering and technology, also participated in the placement process. The students who have passed out of DTU are studying in various prestigious National and International institutes such as IIM's, IIT's, Carnegie Mellon University, Columbia University, Duke University, Purdue University and University of California.

The curriculum of postgraduate programs has been revised and Choice Based Credit System (CBCS) has been introduced in the curriculum by the University. The choice based credit system features a broad-based, flexible education system and at par with global standards. This system allows the students to select among various courses including Foundation courses, Foundation Elective courses, Departmental Core courses, Allied Engineering courses, Industrial Training and Projects, University Elective courses, Departmental Elective courses and MOOC's from various online platforms such as NPTEL, Coursera, etc. Further, university has introduced three new tracks in the undergraduate curriculum: Research Track, Product Track and Entrepreneurship Track. The idea of the tracks is to develop analytical skills and critical thinking among the students that will enable the students apply knowledge to address the real world situation/problem and find the solutions for them. Through the University Student Internship Program (USIP) a total of 154 students have been awarded paid internship for academic and administrative support work. The total amount disbursed was ₹ 13,60,000/- in 2018-19.

Continuing Education Programme (CEP), Quality Improvement Programme, Curriculum Development Programme and Faculty Development Programme (FDP) activities continued to attract wide interest from industry, academia and from our own faculty. The CEP courses at DTU, aim at working professionals, and have sustained its significant activities despite the challenging industrial scenario prevailing throughout this period. The FDP programs, sponsored by TEQIP-III at DTU are meant for faculty. These courses are

very popular, and a large number of college teachers are benefited from them. With a view of having more interactions between industry professionals and teachers, special attempts have been made to open up the FDP programs to college teachers and industry professionals. This has been found to be a very worthwhile experience for the teachers and the industry personnel. DTU have also organized several GIAN courses with an aim to boost higher education in the campus. The lectures have been delivered by international faculty from different countries under GIAN scheme.

Professional Development Fund Grant was granted to faculty with Initial grant of 2 Lakhs for facility creation and 2 Lakhs grant in every three years for attending conferences, workshops and training programs. Career Advancement Scheme is done on continuous basis and numerous promotions have been granted. DTU has implemented New Pension Scheme for the employees, added 96 new faculty members and promoted 159 faculty members under CAS in past 3 years. Various awards for Excellence in Teaching was given to the faculty. Also Institution of Adjunct Professorship & Professor for lifetime was awarded. The university offers three categories of awards annually namely, Outstanding Research Awards, Premier Research Awards and Commendable Research Awards. This year University has awarded total Rs. 61.5 lakh as award to 152 researchers with 107 SCI/ SCIE indexed publications.

In order to cope with the increased need of the students, construction work of two new academic blocks and three hostel blocks has begun. It will provide the academic infrastructure for more than 3000 students and will accommodate an additional 666 girls and 333 boys in hostels. A double storied Faculty Block which will provide 36 number of faculty offices is under construction and is likely to be completed soon. Pragyan Hall has been developed for meetings and conferences. Sports Facility has been upgraded. Renovation of East Delhi Campus has been completed. The university has transplanted 111 trees and also planted additional 1000 saplings. Organic Waste to Energy Plant, largest in educational institute of North India has been recently developed with capacity of 1 TPD. A new building is being developed for Delhi School of Management. A Single Storied Block, Multi-purpose Hall (SPS Type), to accommodate 3,000 persons at a time is under construction. Double storied Design Centre, SPS Building, is under construction. Sewerage Treatment Plant (STP) Waste on Bio-Filter having capacity of 1 M.L.D. (Million Litre per Day) is under construction. Solar power plant of capacity 432 Kwp has been installed for power generation at DTU Campus and it is best in terms of technological parameters currently available commercially as per MNRE guidelines. The plant is installed at roof top and it covers an area of 7050 Sq mtrs. The plant through LT power feeds to electrical, electronics, mechanical, science and civil blocks of the campus. To enhance overall campus safety and security, and effective monitoring and surveillance of DTU activities, 192 CCTV cameras have been installed in DTU Campus. Shri Manish Sisodia, Hon'ble Deputy Chief Minister, Govt. of NCT of Delhi, inaugurated this facility on 1st August, 2019.

The university has established the DTU Innovation and Incubation Foundation and currently, 28 teams are working in the Centre. The aim of the DTU Innovation and Incubation Foundation is to create a culture of entrepreneurship, startups, and Intellectual Property Creation that leads to value creation, jobs, and employment, and does social and economic benefits by creating a robust ecosystem. The university has also established centers like Center of Outreach & Extension Activities and Center of Human Resource Development. Several schemes based on social entrepreneurship have been implemented by the University. The schemes will include Digital literacy, E-waste collection, Water filtration units set up, Health camps, Blood donation camps, Organ donation camps, Cloth donation camps, awareness camps on depression and thalassemia, training workshops for acid attack survivors, skill development for women, recycling of biodegradable waste into useful manure and cleanliness drive. In addition to it, the National Service Scheme (NSS), NSS-DTU provides extended dimension to the higher education system and orient the students towards community service while they are studying in the institution, and to establish a meaningful linkage between the campus and the community.

The university annually organizes cultural and technical festivals. Engifest is the annual cultural extravaganza of the university and offers a good mix of literary, cultural, and entertainment events. Further, there are a series of professional societies including IEEE, IETE, CSI, SSE and others. DTU has research collaborations with premier organizations around the globe. E-Summit 2019 was organised from 31st January to 2nd February 2019. It saw a participation of over 10,000+ dynamic entrepreneurs and students from across the country. Leadership Lecture Series was organised with speakers such as Mr Rajiv Sikka, Ms Monika Halan, Youtuber Harsh Beniwal and Comedian Biswa Kalyan Rath. Startup Internship Fair was also organised which saw a participation by more than 1000 students in various Companies and Startups.

Recent Activities of Alumni Office included DCE-DTU Alumni meet at San Francisco in December 2018, Homecoming meet for Golden and Diamond Jubilee Batch, New Delhi in February, 2019, Alumni visit of 1974 batch, New Delhi in July 2019. MoU agreement has been signed for Raj Soil Hall in September 2018 and our alumni Shri Raj Soin donated Rs. 5 Crore for it. Prof D. Yogi Goswami donated USD 100000/-, Shri Suraaj Bhatia and Shri Prem Bhatia donated USD 22000/-, Shri Santosh Kumar donated ₹5,00,000/-, Shri D.P. Garg (INDO Count Foundation) donated ₹5,00,000/- and many more.

The university has been consistently ranked among best 10 engineering institutions as per the various Independent Surveys on Best Engineering Institutions of the country. Among engineering colleges, Delhi Technological University was ranked 2nd by Times Engineering Rankings 2019, 13th by Outlook India in 2018, 17th by Outlook India in 2019, 10th by The Week in 2018. India Today's Best Engineering Government Colleges survey for 2019 has ranked DTU at the 7th position. The 2019 NIRF rankings placed DTU at the 34th position. Recently University has been accredited "A" grade by NAAC. University through Internal Quality Assurance Cell (IQAC) has initiated many activities for quality improvements such as ISO 9001:2015 certification, regular audit of processes as per SOP, Question paper standardization and audit, feedback collection and analysis, green audit of the campus, ERP & e-governance application in the processes etc.

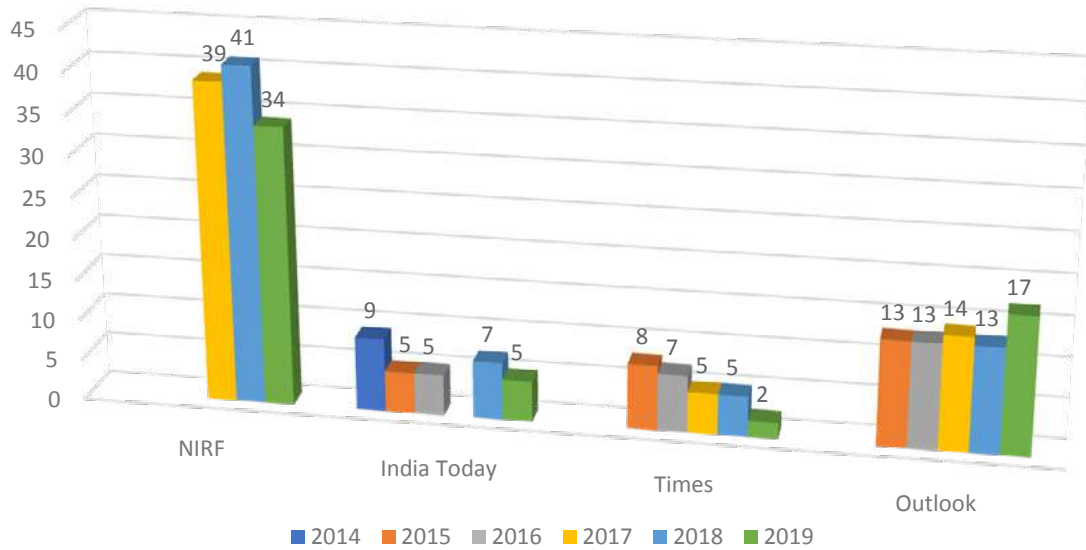
DTU is grateful to the financial support provided by GNCTD, MHRD, DST, AICTE, UGC, CSIR, DBT and DRDO. My sincere thanks to all the faculty members, employees, students and alumni for their devotion and hard work invested in DTU. Over the years, DTU has contributed significantly to the national cause of providing excellent technical education and will continue with this same tradition in the coming years. I am deeply indebted to the Hon'ble Chancellor, Shri Anil Bajjal, Lieutenant Governor of NCT of Delhi, Hon'ble Shri Arvind Kejriwal, Chief Minister, Hon'ble Shri Manish Sisodia, Deputy Chief Minister, and Minister of Higher and Technical Education, for their guidance, support and co-operation which enables DTU to attain its goal. I take this opportunity to thank the Chief Secretary, Principal Secretary (Finance) and Secretary (Higher Education) and Director TTE, for their incessant cooperation by providing grants for the development of DTU. My sincere gratitude to the Members of Board of Management, Finance Committee, Planning Board, Academic Council, Finance Committee and other Committees of DTU for their valuable contribution which enables DTU to achieve its mission. I compliment the Editorial team of IQAC for their untiring efforts which was invested in compiling this report.

With best wishes,



Prof. Yogesh Singh
(Vice Chancellor, DTU)

Ranking of India's best Engineering Institutions NIRF, India Today, Times, Outlook Ranking

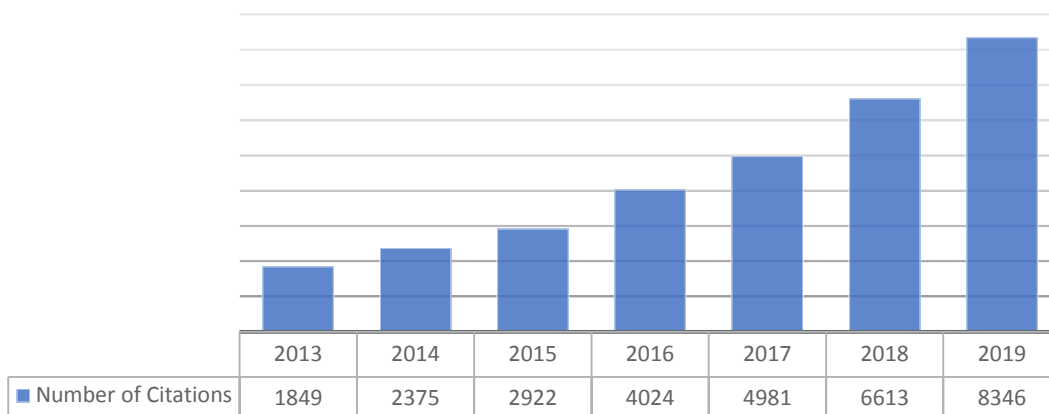


YEAR WISE NO OF SCOPUS INDEXED PUBLICATIONS



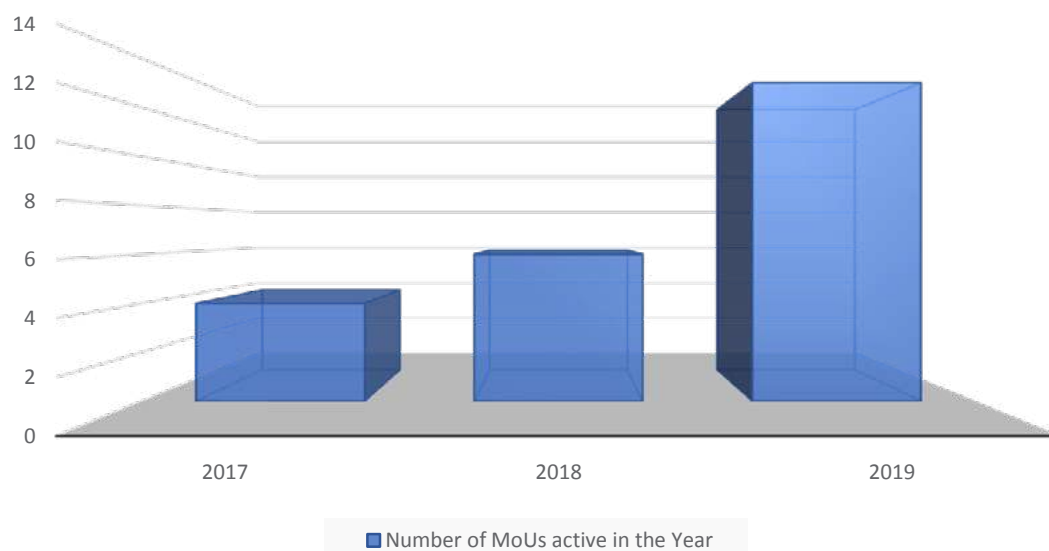
Research Papers in Leading International Journals such as IEEE Transactions, Springer, Elsevier, Wiley and so on

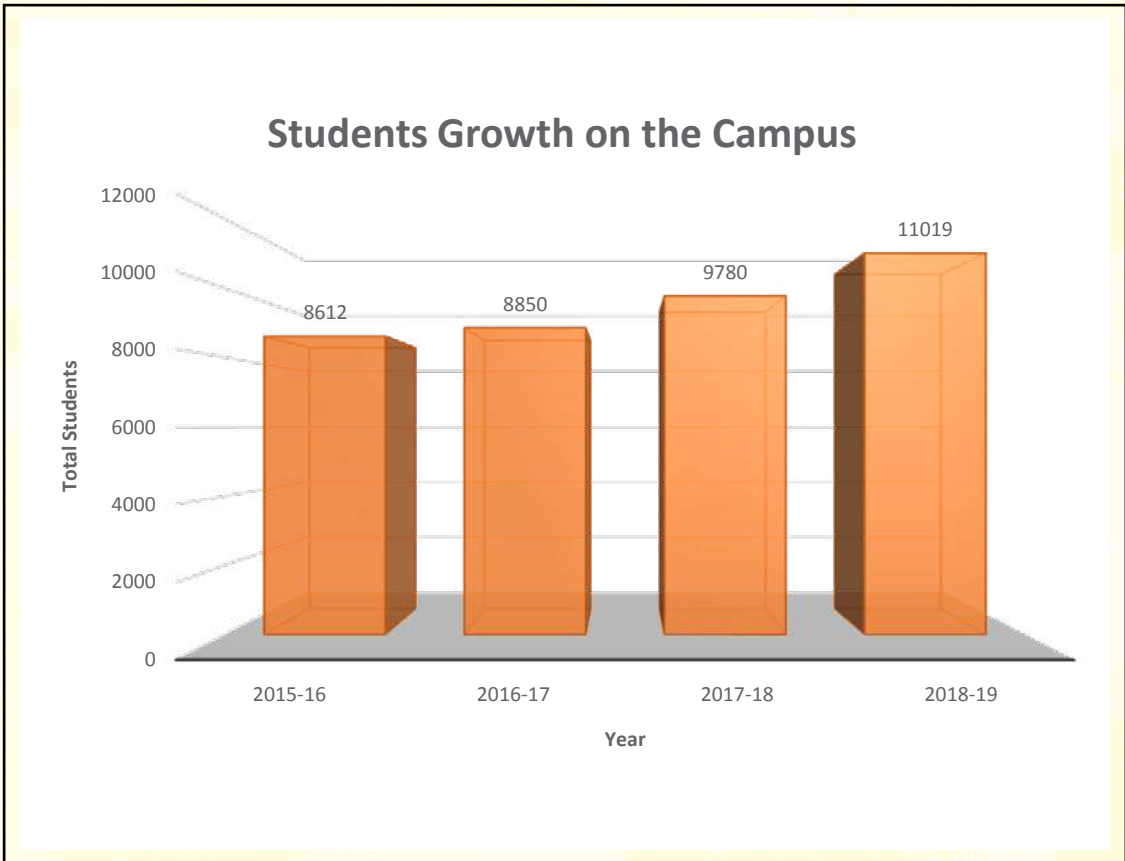
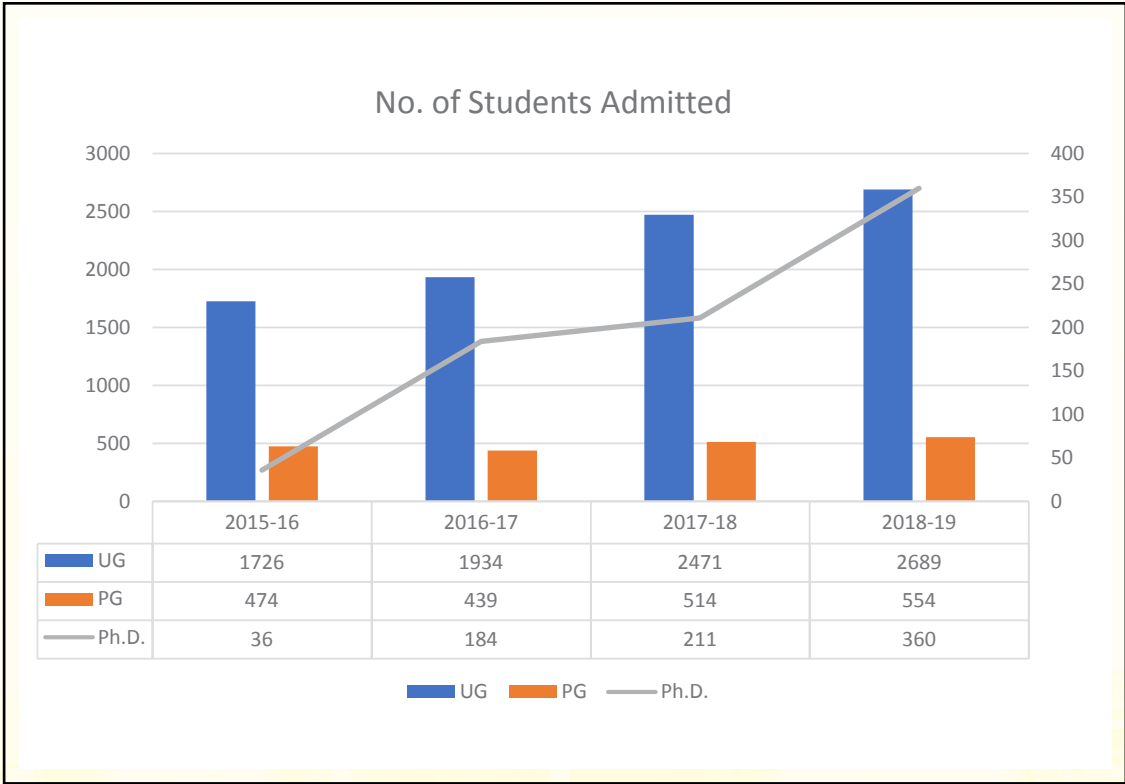
Citation Analysis of Publications (As per data collected from Scopus)

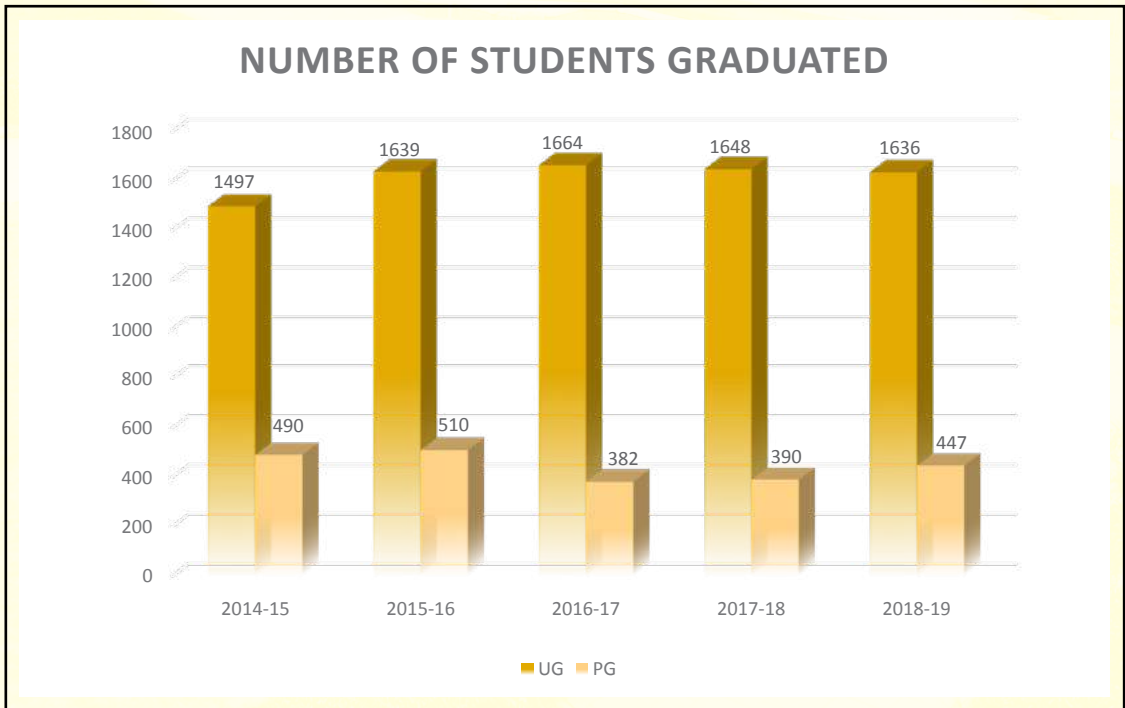
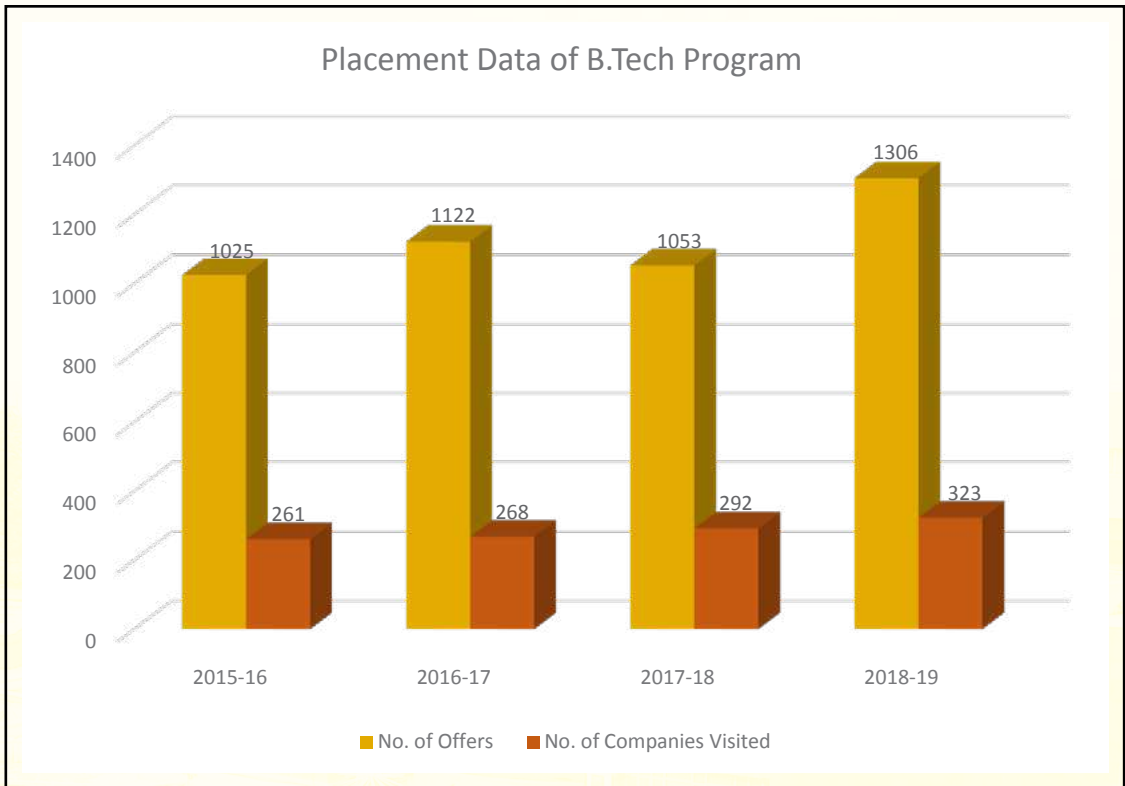


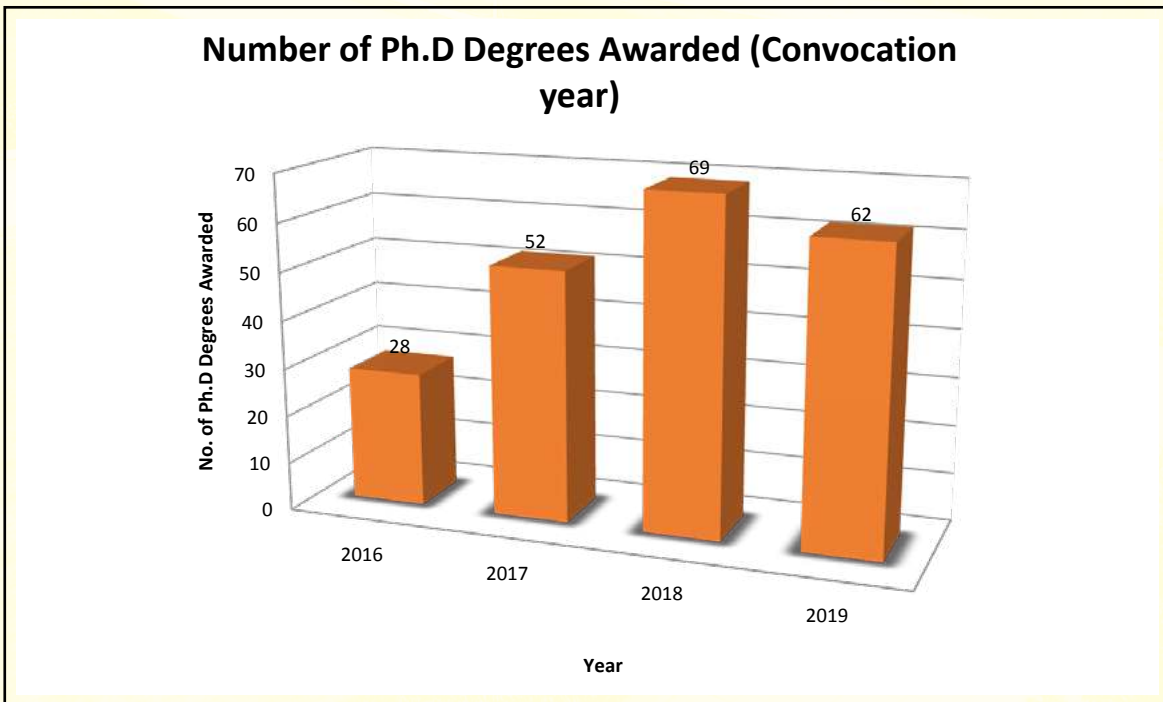
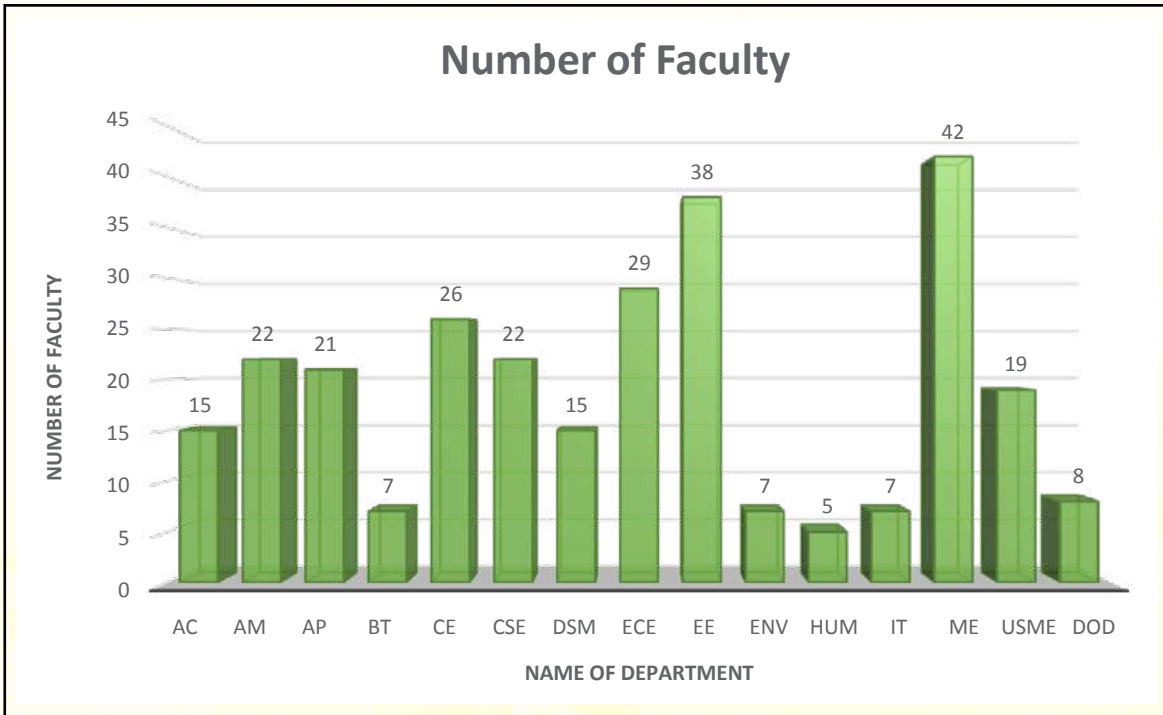
H-index of University (as reported by Scopus): 69

Number of MoUs active in the Year









Alumni Meet, Sept. 2018



Homecoming Meet, July 2019



Orientation, 2018



Convocation, 2018



Research Excellence Awards, March 2019



Research Excellence Awards Function

Chief Guest

PROF. YOGESH SINGH

Vice Chancellor

Guest of Honour

PROF. VIKRAM KUMAR

Emeritus Fellow, IIT Delhi, Former Director, National Physical Laboratory (CSIR)

March 19, 2019



International Yoga Day



BOM Meeting



BOM MEETING, OCT 2019

Extension & Outreach Activity at DTU



NAAC Visit, 2019



NAAC VISIT.2019



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1 Organization and Administration

1.1 University Court

S. No.	NAME	Designation	Position in the Court
1	Sh. Anil Bajjal	Chancellor/Lt. Governor, Delhi	Chairperson
2	Prof. Yogesh Singh	Vice Chancellor, Delhi Technological University	Member
3	Prof. Anil K. Tyagi	Vice Chancellor, GGs Indraprastha University Dwarka, Delhi	Member
4	Prof. Saibal Chattodhyay	Director, Indian Institute of Management, Kolkata West Bengal	Member
5	Prof. M.N. Doja	Director, Indian Institute of Information Technology, Sonapat	Member
6	Prof. Bhim Singh	Dean, Academic, Indian Institute of Technology Delhi	Member
7	Prof. Lalit Awasthi	Director, National Institute of Technology Jalandhar, Punjab	Member
8	Smt. Renu Sharma (IAS)	Principal Secretary (Finance) Govt of NCT of Delhi	Member
9	Sh. Sandeep Kumar (IAS)	Secretary (Higher Education) Directorate of Higher Education, Govt of NCT of Delhi	Member
10	Sh. Sheo Pratap Singh (IAS)	Secretary (Training & Technical Education) Government of NCT of Delhi	Member
11	Prof. Parimal H. Vyas	Vice Chancellor, Maharaja Sayajirao University Vadodra, Gujrat	Member
12	Prof. Rajive Kumar	Advisor-I, P&AP Bureau AICTE, Delhi	Member
13	Prof. Samsher	Registrar, Delhi Technological University	Member Secretary

1.2 Board of Management

S. No.	NAME	Designation	Position in the Board
1	Prof. Yogesh Singh	Vice Chancellor, Delhi Technological University	Member
2	Prof. S.K. Garg	Pro Vice Chancellor, Delhi Technological University	Member
3	Prof. Anu Singh Lather	Pro Vice Chancellor, Delhi Technological University	Member
4	Prof. Ajay K. Sharma	Vice Chancellor, IKG Punjab Technical University, Kapurthala 144603, Punjab	Member
5	Prof. Khalid Moin	Professor, Civil Engineering. Deptt., Jamia Millia Islamia, Delhi	Member

S. No.	NAME	Designation	Position in the Board
6	Prof. I.K. Bhat	Vice Chancellor, MIT World Peace University, Pune 411038, Maharashtra	Member
7	Prof. H.C. Taneja	Professor, Department of Applied Mathematics, DTU	Member
8	Prof. Samsher	Professor, Mechanical Engineering Deptt	Member
9	Prof. A. Trivedi	Dean, Industrial Research & Development	Member
10	Prof. Madhusudan Singh	Dean, Academic (UG)	Member
11	Sh. Sameer Nayyar	Managing Director, Dr. Beli Ram & Sons Pvt. Ltd., Delhi	Member
12	Smt. Renu Sharma (IAS)	Principal Secretary (Finance) Government of NCT of Delhi	Member
13	Sh. Sandeep Kumar (IAS)	Secretary (Higher Education) Directorate of Higher Education Government of NCT of Delhi	Member
14	Sh. Sheo Pratap Singh (IAS)	Secretary (Training & Technical Education) Government of NCT of Delhi	Member
15	Prof. Samsher	Registrar, Delhi Technological University	Member Secretary

1.3 Academic Council

S. No.	Name	Designation	Position in the Academic Council
1	Prof. Yogesh Singh	Vice Chancellor, Delhi Technological University	Chairperson
2	Prof. S.K. Garg	Pro Vice Chancellor, Delhi Technological University	Member
3	Prof. Anu Singh Lather	Pro Vice Chancellor, Delhi Technological University	Member
4	Prof. Smriti Srivastava	Professor of Computer Engineering, Head Division of ICE, NSUT, Delhi	Member
5	Prof. Tarun Dass	Professor of Mathematics and Registrar, University of Delhi	Member
6	Prof. Surendra Yadav	Professor of Management, Indian Institute of Technology, Delhi	Member
7	Sh. S.G. Deshmukh	Atal Bihari Vajpayee Indian Institute of Information Technology and Management, Morena Link Road, Gwalior (UGC Nominee)	Member
8	Dr. Bhim Singh	Principal Secretary (Finance) Govt of NCT of Delhi	Member

S. No.	Name	Designation	Position in the Academic Council
9	Sh. Sandeep Kumar (IAS)	Dean, Academic Indian Institute of Technology, Delhi (AICTE Nominee)	Member
10	Mr. Lokesh Mehra	Director-Workforce Development, Oracle India Pvt. Ltd. Saket, New Delhi (FICCI Nominee)	Member
11	All Deans of the University	Delhi Technological University	Member
12	Prof. Rakesh Kumar	Professor, Electrical Engineering Deptt.,	Member
13	Prof. Narendra Kumar-I	Professor, Electrical Engineering Deptt.,	Member
14	Prof. Naveen Kumar	Professor, Mechanical Engineering Deptt.,	Member
15	All Heads of the Schools/ Departments	Delhi Technological University	Member
16	Sh. Kamal Pathak	Controller of Examinations	Member
17	Sh. Neeraj Kumar Bhagat	Associate Professor, Electrical Engineering Deptt.	Member
18	Dr. M. Jayasimhadari	Assistant Professor, Applied Physics Deptt.	Member
19	Prof. Samsher	Registrar, Delhi Technological University	Member Secretary

1.4 The Planning Board

S. No.	NAME	Designation	Position in the Board
1	Prof. Yogesh Singh	Vice Chancellor, Delhi Technological University	Chairperson
2	Prof. S. K. Garg	Pro Vice Chancellor, Delhi Technological University	Member
3	Prof. Anu Singh Lather	Pro Vice Chancellor, Delhi Technological University	Member
4	Dr. Pritam Singh	Padamshree and Former Director, Indian Institute of Management, Lucknow	Member
5	Prof. Prem Vrat	Pro-Chancellor, NorthCap University Gurugram, Haryana	Member
6	Prof. I. K. Bhat	Vice Chancellor, MIT World Peace University, Pune 411038, Maharashtra	Member
7	Prof. J. P. Saini	Director, Netaji Subhash University of Technology Delhi	Member
8	Prof. Samsher	Registrar, Delhi Technological University	Secretary

1.5 Finance Committee

S. No.	NAME	Designation	Position in the Committee
1	Prof. Yogesh Singh	Vice Chancellor, Delhi Technological University	Chairman
2	Prof. S. K. Garg	Pro Vice Chancellor, Delhi Technological University	Member
3	Prof. Anu Singh Lather	Pro Vice Chancellor, Delhi Technological University	Member
3	Smt. Renu Sharma (IAS)	Principal Secretary (Finance) Government of NCT of Delhi	Member
4	Sh. Sheo Pratap Singh (IAS)	Secretary (Training & Technical Education) Government of NCT of Delhi	Member
5	Prof. Ajay K. Sharma	Vice Chancellor, IKG Punjab Technical University, Kapurthala 144603, Punjab	Member
6	Registrar, DTU.	Registrar, Delhi Technological University	Member

1.6 Internal Quality Assurance Cell (IQAC)

S. No.	Name	Designation
1	Prof. Yogesh Singh, Vice Chancellor	Chairperson
2	Prof. S.K Garg, Pro Vice Chancellor	Member
3	Prof. Anu Singh Lather, Pro Vice Chancellor	Member
4	Prof. H.C. Taneja, Dean (PG)	Member
5	Prof. Madhusudan Singh, Dean (UG)	Member
6	Prof. A. Trivedi, Dean (IRD)	Member
7	Prof. Nirendra Dev, HoD (Civil Engineering)	Member
8	Prof. Neeta Pandey, Deptt. of Electronics & Communication Engineering	Member
9	Prof. V.K. Minocha, Deptt. of Civil Engineering	Member
10	Prof. Samsher, Registrar	Member
11	Prof. S.G. Deshmukh, Director, IIITM Gwalior	External Expert Member

S. No.	Name	Designation
12	Sh. Sanjeev Kumar Gupta, Managing Director (Corporate Affairs), Accenture Services pvt. Ltd., Gurgaon	External Expert Member
13	Sh. Arun Gupta, Alumni, C-10/6, Sector-17, Rohini, Delhi	External Expert Member
14	Prof. M.M. Tripathi, Dept. of Electrical Engineering, Director (IQAC)	Member Secretary
15	Dr. Nilam, Associate Director (IQAC)	Special Invitee
16	Dr. Anil K. Haritash, Associate Director (IQAC)	Special Invitee
17	Sh. Rajesh Kr. Yadav, Associate Director (IQAC)	Special Invitee
18	Sh. Kamal Pathak, Controller of Examination	Special Invitee
19	Sh. D.P. Dwivedi, Consultant (Finance & Planning)	Special Invitee

1.7 Administration

S. No.	NAME	Designation
1	Prof. Yogesh Singh	Vice Chancellor, DTU
2	Prof. S. K. Garg	Pro Vice Chancellor, DTU
3	Prof. Anu Singh Lather	Pro Vice Chancellor, DTU
3	Prof. Samsher	Registrar , Controller of Finance
4	Sh. Kamal Pathak	Controller of Examinations
5	Prof. Narendra Kumar - II	Dean, Student Discipline & Chief Warden
6	Prof. M.M. Tripathi	Director, IQAC
7	Prof. Rachana Garg	Director, Equal Opportunity Cell
8	Prof. Nirender Dev	Director, HRDC
9	Sh. Anil Kumar	Deputy Registrar (Acad-PG and IRD), Link Officer to PIO
10	Dr. Ravinder Kaushik	Deputy Registrar , PIO Recruitment & Estt, Legal
11	Prof. A. K. Gupta	Chief Vigilance Officer
12	Sh. Anoop Lather	Public Relations Officer

S. No.	NAME	Designation
13	Prof. Rakesh Kumar	Suptd. (Exam)
14	Sh. Bimal Jain	Chief Project Officer / Estate Officer
15	Sh. Madhukar Cherukuri	OSD (Results)
16	Prof. Rajeshwari Pandey	Associate Dean (Academic - UG)
17	Dr. S.G. Warker	Associate Dean (SW)
18	Prof. Amit Srivastava	Associate Dean (Outreach & Ext.)
19	Sh. Vinod Bhandari	Assistant Public Information Officer
20	Dr. Vivek Tripathi	Assistant Registrar (International Affairs)
21	Dr. Nitin Puri	Security Officer Transport Officer
22	Prof. Raj Kumar Singh	OIC, Workshop
23	Prof. Rajesh Rohilla	HOD, Training & Placement & OIC, Guest House
24	Prof. Rajesh Birok	OIC, Health Centre
25	Prof. Naokant Deo	OIC , B. Tech. (Evening)
26	Prof. Vikas Rastogi	Coordinator , TEQIP - III
27	Sh. Dipin Arora	AR (General Administration)
28	Sh. Vijay Mishra	AR (S & P)
29	Dr. Anil Singh Parihar	Incharge (Secrecy)
30	Prof. A K Srivastava	Director, Physical Education
31	Dr. Manoj Kumar	HOD, Computer Centre
32	Dr. Manoj Sharma	OSD (East Delhi Campus) & CEO, DTU, IIF
33	Dr. Ruchika Malhotra	Associate Dean, Industrial Research & Development
34	Sh. Nand Kishore	Deputy Registrar (Finance)
35	Sh. D.P. Dwivedi	Consultant (Planning & Finance)
36	Sh. R.K. Shukla	Librarian, OSD (East Delhi Campus)

2 Academic and Non-Academic Staff

2.1 Academic Staff (Regular)

S. No.	Department	Prof.	Assoc. Prof.	Asstt. Prof.	Programmer/Scientist	Total
1	Applied Chemistry	5	3	7	0	15
2	Applied Mathematics	8	2	12	0	22
3	Applied Physics	4	3	14	0	21
4	Biotechnology	3	2	2	0	7
5	Civil Engineering	10	11	4	1	26
6	Computer Science and Engineering	2	7	12	1	22
7	Delhi School of Management	3	0	12	0	15
8	Electronics and Communication Engineering	11	5	13	0	29
9	Electrical Engineering	19	8	11	0	38
10	Environmental Engineering	2	1	4	0	7
11	Humanities	1	3	1	0	5
12	Information Technology	1	2	4	0	7
13	Mechanical Engineering	20	10	12	0	42
14	University School of Management & Entrepreneurship (USME)	3	1	15	0	19
15	Department of Design	3	0	5	0	8
	Total	95	58	128	2	283

2.2 Non-academic Staff (Regular)

	Non Technical		Technical		Total
	Regular/ Deputation	Contractual	Regular/ Deputation	Contractual	
Sr. Accounts Officer (on Deput.)	1	0	0	0	1
Accounts Officer (on Deput.)	0	0	0	0	2
Assistant Accounts Officer (on Deput.)	3	0	0	0	3
Section Officer (On Deput.)	6	1	0	0	7
Chief Store Keeper	1	0	0	0	1
Assistant Store Keeper	0	2	0	0	2
Draughtsman	1	0	1	0	2
Foreman	8	0	10	0	18
Console Operator	2	0	1	0	3

	Non Technical		Technical		Total
	Regular/ Deputation	Contractual	Regular/ Deputation	Contractual	
Sr. Mechanic	0	0	17	5	22
Sr. Mechanic GP-I	0	0	0	7	7
Sr. Mechanic GP-II	0	0	0	5	5
Sr. Mechanic GP-III	0	0	0	1	1
Sr. Mechanic GP-V	0	0	0	3	3
Sr. Mechanic GP-VI	0	0	0	1	1
Jr. Mechanic	0	0	12	7	19
Counter Assistant	3	2	0	0	5
Lab Attend.	3	0	0	0	3
Library Attend.	1	0	0	0	1
Assistant Librarian	0	1	0	0	1
PS to VC	0	1	0	0	1
Senior Office Assistant	1	0	0	0	1
Junior Office Assistant	10	0	0	0	10
Office Assistant	10	2	0	0	12
Assistant Programmer	0	0	0	3	3
Network Assistant	0	0	0	2	2
Technical Assistant	0	0	3	5	8
Junior Technical Assistant	0	0	0	16	16
SO to VC	0	0	0	0	0
Contractor	0	0	0	00	0
Documentalist	0	0	0	1	1
Gest. Operator3	0	0	0	0	0
Stenographer	0	0	0	1	1
Stenographer Grade - II (On Deput.)	0	0	0	0	0
Multi Tasking Staff	0	0	0	0	0
Messenger	0	0	0	0	0
Daftri	1	0	0	0	1
Chowkidar	1	0	0	0	1
Farash	2	0	0	0	2
Peon	1	0	0	0	1
Mali	1	0	0	0	1
Driver	1	2	0	0	3
Safai Karamchari	7	0	0	0	7
Consultants	0	0	0	0	0
Total	64	11	44	57	178

3 Academic Programmes

3.1 Undergraduate Courses

S. No.	Department	B. Tech. Programme	Duration	Sanctioned Intake	Total No. Admitted
1	Applied Chemistry	Polymer Science & Chemical Technology	4 Years	62	64
2	Applied Mathematics	Mathematics and Computing	4 Years	122	121
3	Applied Physics	Engineering Physics	4 Years	95	93
4	Biotechnology	Biotechnology	4 Years	62	62
5	Civil Engineering	Civil Engineering	4 Years	122	121
		Civil Engineering (Evening)	4 Years	60	60
6	Computer Science & Engineering	Computer Engineering	4 Years	362	361
		Software Engineering	4 Years	122	121
7	Electrical Engineering	Electrical Engineering	4 Years	242	242
		Electrical Engineering (Evening)	4 Years	60	54
8	Electronics & Communication Engineering	Electronics & Communication Engineering	4 Years	185	185
		Electronics & Communication Engineering (Evening)	4 Years	60	52
9	Environment Engineering	Environmental Engineering	4 Years	62	68
10	Information Technology	Information Technology	4 Years	122	121
11	Mechanical Engineering	Mechanical Engineering	4 Years	242	241
		Production & Industrial Engineering	4 Years	62	58
		Automotive Engineering	4 Years	62	61
		Mechanical Engineering (Evening)	4 Years	60	59
Total				2164	2144
B.Tech Lateral Entry					60
Total NRI Candidates					141
Total PMSSS Candidates					10
Grand Total					2355

S. No.	Department	Programme	Duration	Sanctioned Intake	Total No. Admitted
1	University School of Management & Entrepreneurship (USME)	BBA	3 Years	120	141
		BA-Economics (Hons.)	3 Years	120	133
2	Department of Design	B. Des.	4 Years	60	60
Total				300	334

3.2 Post Graduate Courses

S. No.	Department	M. Tech. Programme	Duration	Sanctioned Intake	Total No. Admitted
1	Applied Chemistry	Polymer Technology	2 Years	20+5	6
2	Applied Physics	Nano Science & Technology	2 Years	20+5	6
3	Biotechnology	Bioinformatics	2 Years	20+5	10
		Bio Medical Engineering	2 Years	18+5	4
		Industrial Biotechnology	2 Years	19+5	7
4	Civil Engineering	Geotechnical Engineering	2 Years	20+5	22
		Hydraulic & Water Resources Engineering	2 Years	19+5	16
		Structural Engineering	2 Years	20+5	28
5	Computer Science & Engineering	Computer Science & Engineering	2 Years	20+5	28
		Software Engineering	2 Years	20+5	22
6	Electrical Engineering	Control & Instrumentation	2 Years	20+5	18
		Power System	2 Years	20+5	19
7	Electronics & Communication Engineering	Signal Processing & Digital Design	2 Years	20+5	11
		Microwave & Optical Communication Engineering*	2 Years	20+5	5
		VLSI Design and Embedded System	2 Years	20+5	19
8	Environment Engineering	Environmental Engineering	2 Years	20+5	19
9	Information Technology	Information System	2 Years	20+5	13
10	Mechanical Engineering	Thermal Engineering	2 Years	20+5	22
		Production Engineering	2 Years	20+5	24
		Computational Design	2 Years	18+5	9
Total				394+100	308

S. No.	Department	Programme	Duration	Sanctioned Intake	Total No. Admitted
1	Delhi School of Management	MBA	2 Years	120	129
		EMBA	2 Years	60	42
2	University School of Management & Entrepreneurship (USME)	MBA	2 Years	60	46
		MBA (Business Analytics)	2 Years	30	29
Total				270	246
Grand Total				764	554

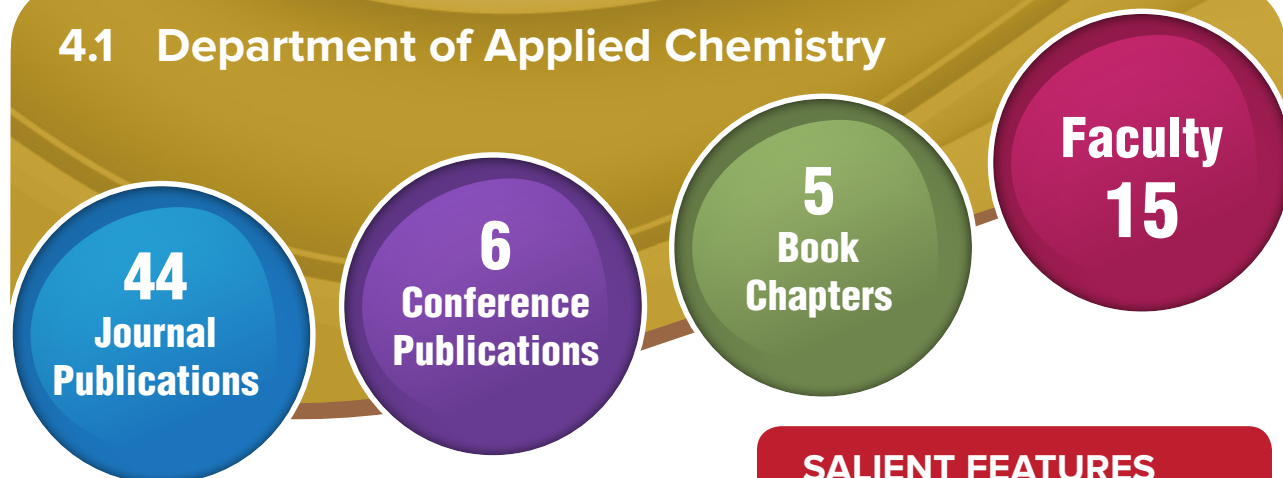
*Jointly Run by Applied Physics Department

3.3 Ph.D. Programmes

S. No.	Department	Admissions
1	Applied Chemistry	18
2	Applied Mathematics	23
3	Applied Physics	42
4	Biotechnology	29
5	Civil Engineering	26
6	Computer Science & Engineering	34
7	Delhi School of Management	10
8	Electrical Engineering	28
9	Electronics & Communication Engineering	28
10	Environmental Engineering	9
11	Humanities	12
12	Information Technology	9
13	Mechanical Engineering	81
14	USME	9
15	USME- Economics (Humanities)	2
	Total	360

4 Academic Departments

4.1 Department of Applied Chemistry



ACADEMIC PROGRAMMES

- B. Tech. (Polymer Science & Chemical Technology)
Intake: 62
Students Admitted: 64
- M. Tech. (Polymer Technology)
Intake: 25
Students Admitted: 6
- Ph.D. Research Scholars: 18

LABORATORIES

The department has 15 well-established laboratories. The main laboratories are: Applied Chemistry, Polymer Chemistry, Polymer Testing & Characterization, Polymer Processing, Chemical Technology, Chemical Reaction Engineering, Instrumentation, Heat Transfer, Mass Transfer, Fibre Technology, Computer Aided Design and Research Labs. All UG/PG students and Research Scholars carry out their projects in these laboratories jointly with experts from industry and teachers of the department.

SALIENT FEATURES

The department aims to provide state-of-art knowledge and practical skills to the UG and PG students in the diverse subjects of Applied Chemistry, Polymer Science and Chemical Technology. Facilitating R&D activities at UG level is the prime concern. Innovations in chemistry and polymers are focused to provide green technologies and products to global industries. New molecules for improving human health and medical care, hydrogels for improved agri- products, innovative polyfibrils for clean water, specialty polymers for solar and biosensor technology, nano-embedded and green-polymers for food packaging are some of the main areas in which our PG and doctoral students are excelling beyond imagination.



ACADEMIC STAFF

Professors: 05

- Prof. Archana Rani (HOD), Ph.D., Area of Interest is Organic Chemistry
- Prof. D. Kumar, Ph.D., Area of Interest is Polymer Science & Technology
- Prof. S. G. Warkar, M.Sc., Ph.D., Area of Interest is Inorganic Chemistry and Polymers
- Prof. R.C. Sharma, Ph.D., Areas of Interest are Electro Solution Chemistry, Molten Electrolytes
- Prof. Rajinder K. Gupta, Ph.D. (Chem. DU) & Ph.D. (Microb. USA), Areas of Interest are Organic Chemistry & Bio-polymer, Nutraceuticals & functional foods

Associate Professors: 03

- Dr. Anil Kumar, Ph.D., Areas of Interest are Bio Inorganic Chemistry, Solar Cell, Cell Imaging molecules, Electronic Structure Calculation using G03 suite program
- Dr. Ram Singh, Ph.D., Areas of Interest are Bi Inorganic Chemistry, Natural Products and Total Synthesis
- Dr. Roli Purwar, Ph.D., Areas of Interest are Biopolymers, Polymeric membranes, Ecofriendly processing of Textiles, Natural Materials and their application, Medical Textiles, Effluent treatment

4. Academic Departments

Assistant Professors: 07

- Dr. Richa Srivastava, Ph.D., Areas of Interest are Organic Synthesis, Supramolecular Chemistry, Biomimetic Reactions
- Dr. Saurabh Mehta, M.Phil., Ph.D., Areas of Interest are Organic Synthesis (conventional and combinatorial), bioorganic and Medicinal Chemistry, etc.
- Dr. D. Santhiya, Ph.D., Areas of Interests are Nano-Biotechnology, Biosynthesis of nanopatterned materials, Environmental Biotechnology, Surface Chemistry
- Dr. Raminder Kaur, Ph.D., Areas of Interests are Reaction Engineering, Polymer Composites, Bio-based Polymers
- Dr. Poonam, Ph.D., Area of Interest is Material Chemistry
- Dr. Manish Jain, Ph.D., Areas of Interests are Chemical Engineering and Polymer Science
- Dr. Chandra Mouli Pandey, M.Sc., Ph.D., Areas of Interests are Biosensors, Nano-materials, Point of Care Diagnostics



Participation in Professional Development Programmes by our Faculties

- Dr. Ram Singh participated in “E-Resources: A Gateway for Research” organised by Central Library, DTU
- Dr. Ram Singh participated in “Advance Pedagogy, IPR, Sponsored Research and Entrepreneurship” organised by ESCI and DTU
- Dr. Manish Jain participated in “Advance Pedagogy, IPR, Sponsored Research and Entrepreneurship” organised by ESCI and DTU
- Dr. Manish Jain participated in “IT Enabled Learning for STEM” organised by Central Library, DTU
- Dr. Anil Kumar participated in “E-Resources: A Gateway for Research” organised by Central Library, DTU
- Dr. Anil Kumar participated in “Recent trends in Material Science and Engineering” organised by Department of Applied Physics, DTU

Faculty visit to other institutions for taking Experts’ Lectures and other academic works

- Dr. Ram Singh visited IIT Roorkee to deliver a lecture on “Ionic liquids: Synthesis and Utility as Electrolytes”
- Dr. Ram Singh visited KL University, Guntur, Andhra Pradesh to deliver a lecture on “Alzheimer’s Disease: Treatment Progress and Prospects”
- Prof. Archana Rani was member of the selection committee for recruitment of Manager Trainee in National Fertilizer Limited (NFL)

Important Professional Affiliations

- Dr. Ram Singh, Life Member (Science), Vijnana Bharati

- Dr. Ram Singh, Fellow Member (Chemistry), International Science Congress Association, India
- Dr. Ram Singh, Life Member (Chemistry), The Indian Science Congress Association, Kolkata, India
- Dr. Ram Singh, Life Member (Neurochemistry), International Society for Neurochemistry
- Dr. Ram Singh, Life Member (Neurochemistry), Indian Academy of Neurosciences
- Dr. Ram Singh, Life Member (Neurochemistry), International Brain Research Organization
- Dr. Ram Singh, Life Member (Analytical Chemistry), Indian Society of Analytical Scientists
- Dr. Ram Singh, Life Member (Chemistry), Association of Chemistry Teachers
- Dr. Ram Singh, Member (Material Science), International Association of Advance Materials
- Dr. Ram Singh, Honorary President (Science and Culture), Brilliant Uniflow of Talents and Intelligence (BUTAI)
- Dr. Ram Singh, Member (Natural Products), The International Natural Product Sciences Taskforce (INPST)
- Dr. Ram Singh, Member (Chemistry), World Research Council
- Dr. Saurabh Mehta, Member (Chemistry), American Chemical Society
- Dr. Richa Srivastava, Life Member (Chemistry), The Indian Science Congress Association, Kolkata, India
- Dr. Richa Srivastava, Life Member (Analytical Chemistry), Indian Society of Analytical Scientists
- Dr. Roli Purwar, Life Member, Textile Engineers Society

- Dr. RoliPurwar, Life Member, Indian Plastic Institute
- Dr. RoliPurwar, Life Member, Elastomer Technology Development Society
- Dr. Raminder Kaur, Life Member, Indian Institute of Chemical Engineer.
- Dr. Raminder Kaur, The Society for Polymer Science”, India
- Dr. Raminder Kaur, Life Member, Asian Polymer Association.

Teachers Receiving awards from Govt. Recognised Bodies

- Dr. Ram Singh was awarded as the Best Researcher in Bioorganic Chemistry, Research Ratna Award; by RULA International Awards
- Dr. Ram Singh was awarded Commendable Research Award by DTU
- Dr. Anil Kumar was awarded Commendable Research Award by DTU
- Dr. Roli Purwar was awarded Commendable Research Award by DTU
- Dr. Deenan Santhiya was awarded Commendable Research Award by DTU
- Dr. Raminder Kaur was awarded Commendable Research Award by DTU

Teachers receiving seed money for Research Grants for Research Projects sponsored by the non-government Sources

- Dr. Ram Singh, Principal Investigator, Applied Chemistry, received ₹5,00,000/- from Olam International, Vietnam, in 2019 for the duration of 6 months

Teachers provided with financial support to attend Conferences, Seminars, etc.

- Dr. Saurabh Mehta received ₹1,97,500/- for attending American Chemical

Society National Meeting in Boston, MA, USA, organized by American Chemical Society

- Dr. Saurabh Mehta received ₹3,00,000/- from DTU in 2019 for the duration of 2 Years
- Dr. Raminder Kaur received ₹4,35,000/- from DTU in 2019 for the duration of 2 Years
- Dr. Manish Jain received ₹4,90,000/- from DTU in 2019 for the duration of 2 Years

Students provided with financial support to attend Conferences, Seminars, etc.

- Mr. Vasu Saluja received ₹50,936/- for attending 34th International Conference on Computers & their Application (CATA 2019), organized by Iowa State University, Waikiki Beach Marriott Resort, Honolulu, Hawaii, USA Extension & Outreach Activities
- Prof. Rajinder K. Gupta organized a Student Study Trip for 32 B. Tech. Undergraduates to Yakult Factory, Sonapat
- Dr. S. G. Warkar and Dr. Saroj Bala organized Department Industrial visit on Manufacturing of different grades of papers for 2K15 Batch of Polymer Science & Chemical Technology to Banwari Paper Mills Ltd.



4.2 Department of Applied Mathematics

40
Journal
Publications

11
Conference
Publications

1
Book
Chapter

Faculty
22

ACADEMIC PROGRAMMES

- B. Tech. (Mathematics and Computing)
Intake: 122
Students Admitted: 121
- M. Sc. (Mathematics) (New Course)
Intake: 33
Students Admitted: 33
- Ph.D. Research Scholars: 23

LABORATORIES

The Department of Applied Mathematics offers state-of-the-art computing facilities to all the undergraduate and graduate students, research scholars and faculty members. A high-speed Local Area Network connection through the Institute's central facilities, ensure that all students and faculty have the most modern computing facilities, including round-the clock internet and e-mail connection, to meet their academic and research needs. Department has 3 computational labs. Computational lab I and II are fully functional and have 10 and 50 Dell OptiPlex 9010 computer systems respectively with latest configuration. Computational lab III is under development and will be functional during academic session 2019-20.

SALIENT FEATURES

The Department of Applied Mathematics is the pride of DTU. The aim of the department is to impart the sound knowledge of Mathematics, Statistics and Computing to the students through teaching and research. The department is achieving its goals/objectives with the help of highly qualified faculty. The research output of the department is very impressive and speaks clearly for the quality of work. Faculty members are also actively involved in research, projects and various academic activities. The academic year 2018-2019 has been a milestone year for the department as it has introduced a new course in M.Sc. (Mathematics). The Department has successfully organized "International Conference on Recent Advances in Pure and Applied Mathematics" (ICRAPAM) from 23rd Oct to 25th Oct 2018 which witnessed the participation of about 300 participants.



ACADEMIC STAFF

Professors: 08

- Prof. H.C. Taneja, M.Sc., M.Phil., Ph.D., Area of Interest is Information Theory
- Prof. Sangita Kansal, M.Sc., Ph.D., Area of Interest is Graph Theory and Petri net Theory
- Prof. L. N. Das, M.Sc., Ph.D., Area of Interest is Operations Research
- Dr. S. Sivaprasad Kumar, M.Sc., M.Phil., Ph.D., Area of Interest is Complex Analysis
- Dr. R. Srivastava, M.Sc., Ph.D., Area of Interest is Numerical Simulation
- Dr. Naokant Deo, M.Sc., Ph.D., Area of Interest is Approximation Theory
- Dr. Anjana Gupta, M.Sc., M.Phil., Ph.D., Area of Interest is Optimization Techniques
- Prof. V P Kaushik, Ph.D., Area of Interest is Operations Research

Associate Professors: 02

- Dr. Chandra Prakash Singh, M.Sc., Ph.D., Area of Interest is General Relativity and Cosmology
- Dr. Aditya Kaushik, Ph.D., Area of Interest is Differential Equations and Numerical Analysis

Assistant Professors: 12

- Dr. Vivek Kumar Aggarwal, M.Sc., Ph.D., Area of Interest is Numerical Analysis
- Dr. Nilam, M.Sc., M.Phil., Ph.D., Area of Interest is Mathematical Modelling
- Dr. Dinesh Udar, M.Sc., Ph.D., Area of Interest is Algebra
- Mr. Rohit Kumar, M.Sc., Area of Interest is 1Quantum Computing and Graph Theory

- Ms. Goonjan Jain, B.E., M. Tech., Area of Interest is Natural language processing, Information retrieval
- Mr. Dharendra Kumar, M.Sc., M.Tech., Area of Interest is Medical image processing, Image classification, Signal processing
- Dr. Satyabrat Adhikari, Ph.D., Area of Interest is Quantum Information Processing
- Ms. Payal, M.Sc., Area of Interest is Petri Net Theory
- Ms. Trasha Gupta, B.Sc., M.Sc., M.Tech., Area of Interest is Machine Learning, Image Processing
- Ms. Sumedha Seniaray, B.Tech., M.Tech., Area of Interest is Database Management Systems, Datawarehouse, Software Engineering, Operating Systems, Discrete Mathematics
- Mr. Anshul Arora, B.Tech., M. Tech., Area of Interest is Android Security, Network Security, Malware Detection
- Mr. Jamkhongam Touthang, M.Sc., M.Phil., Area of Interest is Functional Analysis, Complex Analysis

Achievements of the department:

- The Department of Applied Mathematics has successfully organized “International Conference on Recent Advances in Pure and Applied Mathematics” (ICRAPAM) from 23rd to 25th October, 2018.
- Department has also started M.Sc. (Mathematics) Programme.

Faculty visit to other institutions for taking Experts’ Lectures and other academic works

Prof. H.C. Taneja:

- FDP held at Manipal University, Jaipur Information Measures: Application Aspect Specially in Marketing and Finance, 15th to 17th March, 2019.
- National Conference on Recent Advancements in Statistics, Mathematics and Computation held at University of Rajasthan. Dynamic Information Theoretic Measures, 25th February to 1st March, 2019

Prof. Sangita Kansal:

- Member of the Expert Committee DST-INSPIRE Fellowship, Department of Science and Technology

- Expert of selection committee for Professor in Applied Sciences, National Institute of Technical Teachers Training & Research, Chandigarh

Prof. S. Sivaprasad Kumar:

- “Beamer (Latex)” session in “ICT Integrated Research in Mathematical Sciences” Ramanujan College, 30th January, 2019

Prof. Anjana Gupta:

- Data Envelopment Analysis and its applications DRDO, Delhi 7th August, 2018

Dr. Vivek K. Aggarwal:

- Some insights of the computational Methods, Ramanujan College, Delhi
- Collaborative research work, FAU Germany June to July, 2019

Dr. Nilam:

- Workshop on Numerical Methods and its Applications in various Allied fields of sciences with MATHEMATICA, Deen Dayal Upadhaya College, Delhi University 17th to 22th September, 2018
- Modeling of delay differential equations using MATHEMATICA” in National workshop on Mathematical

Modeling Using MATHEMATICA, Sharda University, Greater Noida 9th to 13th April, 2019

- Mathematical modelling of an epidemic with non – linear functional type incidence and treatment” at 4th International Conference on Recent developments in theory, computation & application of Differential equation to celebrate the 70th birthday of Prof. M. K. Kadalbajoo, South Asian University, New Delhi, 21th to 23th January, 2019

Mr. Dharendra Kumar:

- Intuitionistic Fuzzy Sets for MRI Image Segmentation, JIIT Noida sector 62, 9th July, 2019

Mr. Anshul Arora:

- Network Traffic Analysis to Detect Intrusions in Smartphones, DRDO 18th July, 2019

Important Professional Affiliations

Prof. S. Sivaprasad Kumar:

- Life Member of Research Group in Mathematical Inequalities and Applications (RGMIA)
- Life Member of Indian Mathematical Society
- Life Member of Society for special functions and its applications

Prof. Naokant Deo:

- Research Group in Mathematical Inequalities and Applications (RGMIA), Melbourne, AUSTRALIA. Member, Indian Mathematical Society (IMS), INDIA, Life membership.

Prof. L.N. Das:

- Operational Research Society of India, Life Member
- Orissa Mathematical Society, Life Member

- Operational Research Society of India
- Orissa Mathematical Society, Life Member

Dr. C.P. Singh:

- The Tensor Society of India, Life Membership
- Indian Association for General Relativity and Gravitation, Life Membership
- The Astronomical Society of India, Life Membership

Dr. Vivek K. Aggarwal:

- SIAM, Member

Dr. Nilam

- Life Member of Indian Science Congress
- Life Member of Indian Society of Biomathematics
- SIAM, Member

Mr. Dharendra Kumar:

- IEEE Young Professionals Member

Participation in Professional Development Programmes by Faculties

- Prof. H.C. Taneja attended FDP on Performance and Financial Management for Organizational Excellence held at NPC at Munnar, Kerala from 18th to 22th February, 2019.
- Prof. S. Sivaprasad Kumar attended Performance and financial management for organisational excellence held at National Productivity Council from 18th to 22th February, 2019
- Dr. Nilam attended workshop on Recent trends in Material Science and Engineering, organized by Department of Applied Physics, Delhi Technological University from 17th to 21st September, 2018
- Dr. Nilam attended FDP on Advanced pedagogy, IPR, sponsored research

and Entrepreneurship held at Delhi Technological University from 16th to 20th July, 2019

- Dr. Dinesh Udar attended workshop on Advanced Pedagogy, IPR, Sponsored Research and Entrepreneurship organized by ESCI on behalf of DTU during 16th to 20th July, 2019
- Mr. Rohit Kumar attended National Workshop on Recent Trends in Domination in Graphs: Algorithms, Complexity and Applications National Institute of Technology, Warangal, 8th to 13th April 2019
- Ms. Goonjan Jain attended workshop on E-Resources: A Gateway for Research, 3rd edition (2018) organized at DTU during 10th to 14th September, 2018
- Mr. Dharendra Kumar attended ICRAPAM 2018, Organized by Department of Applied Mathematics, DTU, 23th to 25th October, 2018
- Mr. Dharendra Kumar attended workshop on Machine Learning and Pattern Recognition organized by Department of Information Technology, Delhi Technological University from 10th to 14th June, 2019
- Ms. Payal attended TEQIP III sponsored Faculty Development Programme on Recent Trends in Material Science and Engineering at Delhi Technological University, Delhi during 17th to 21th September, 2018
- Ms. Payal attended Faculty Development Programme Game Changer at Delhi Technological University, Delhi from 1st - 2nd March, 2019
- Ms. Payal attended TEQIP III sponsored Faculty Development Programme on Machine Learning for Pattern Recognition at Delhi Technological University, Delhi during 10th to 14th June, 2019
- Ms. Trasha Gupta attended SDP on Electronic Design Automation and Documentation Tools organized by Department of Electronics and Communication Engineering, DTU from 22nd to 26th July, 2019
- Ms. Sumedha Seniaray attended A TEQIP-III Sponsored One-Week Faculty Development Programme on “Machine Learning for Pattern Recognition (MLPR-2019)” by Department of Information Technology, Delhi Technological University From 10th to 14th June, 2019
- Mr. Anshul Arora attended One Week Faculty Development Program on Machine Learning and Pattern Recognition organized by Department of Information Technology, DTU 10th to 14th June, 2019
- Mr. Jamkhongam Touthang attended “GAME CHANGER”, A Faculty Development Program held at Delhi Technological University March 1st to 2nd, 2019



Teachers provided with financial support to attend Conferences, Seminars, etc.

- Prof. H.C. Taneja attended conference on Performance and Financial Management for Organizational Excellence NPC at Munnar, Kerala and was given a support of ₹ 76640 TEQIP-III during 18th to 22th February, 2019.
- Prof. H.C. Taneja attended HSCA-2018 held at NIT Hamirpur, 8th to 9th September, 2018 and was Sanctioned: ₹ 26500 during 8th to 9th September, 2018
- Prof. H.C. Taneja attended 27th FIM held at University of Jammu, Jammu, 2th to 4th November, 2018 and was sanctioned ₹ 33400
- Mr. Rohit Kumar attended National Workshop on Recent Trends in Domination in Graphs: Algorithms, Complexity and Applications held at NIT, Warangal and was given a support of ₹ 12660 from TEQIP-III during 8th -13th April 2019
- Dr. Vivek Kumar Aggarwal attended International Congress of Industrial and Applied Mathematics held at Valencia, Spain and was given a support of ₹ 230000 (NBHM) During 15th-19th July, 2019

Students provided with financial support to attend Conferences, Seminars, etc.

- Mr. Sachin Duhan attended International Conference in Recent Advances in Pure and Applied Mathematics organised by DTU with a support of ₹ 5000

Teachers/staff/students who received awards, recognition, fellowships at State, National, International level from Government, recognised bodies

during the current year:

- Mr. Adarsh Aggarwal got selected in Rajasthan hackathon organised by the Rajasthan government.
- Mr. Aranv Saxena was the EXL EQ 2018 National Runner Up and Award for Best Visualization.

Grants for Sponsored Research projects :

- Dr. S. Sivaprasad Kumar was given a grant of 2.65 Lakhs for 2 years

Collaborative activities for research:

Dr. Vivek Aggarwal collaborated with Gas Network, FAU Germany for a 2 month research project

Detail of awards for innovation won during the current year:

“Smaller World” - an initiative by Rotaract Club of DTU Regency, project by KUSH ARORA was Awarded the ‘Most Innovative Project of the Year’ and ‘Best Rotaract Project in International Services’ for the project.

Detail of student progression to Higher education

Mr. Navjot Singh was selected by UIUC, Applied Maths for MS Programme

Ms. Vaishali was selected for pursuing MBA programme at IIM Shillong.



4.3 Department of Applied Physics

101
Journal
Publications

40
Conference
Publications

16
Book
Chapters

Faculty
21

ACADEMIC PROGRAMMES

- B. Tech. (Engineering Physics)
Intake: 95
Students Admitted: 93
- M. Tech. (Nano Science and Technology)
Intake: 25
Students Admitted: 6
- M. Tech. (MOCE) (Jointly with ECE
Department)
Intake: 25
Students Admitted: 5
- M. Sc. Physics (New Course)
Intake: 33
Students Admitted: 33
- Ph.D. Research Scholars: 42

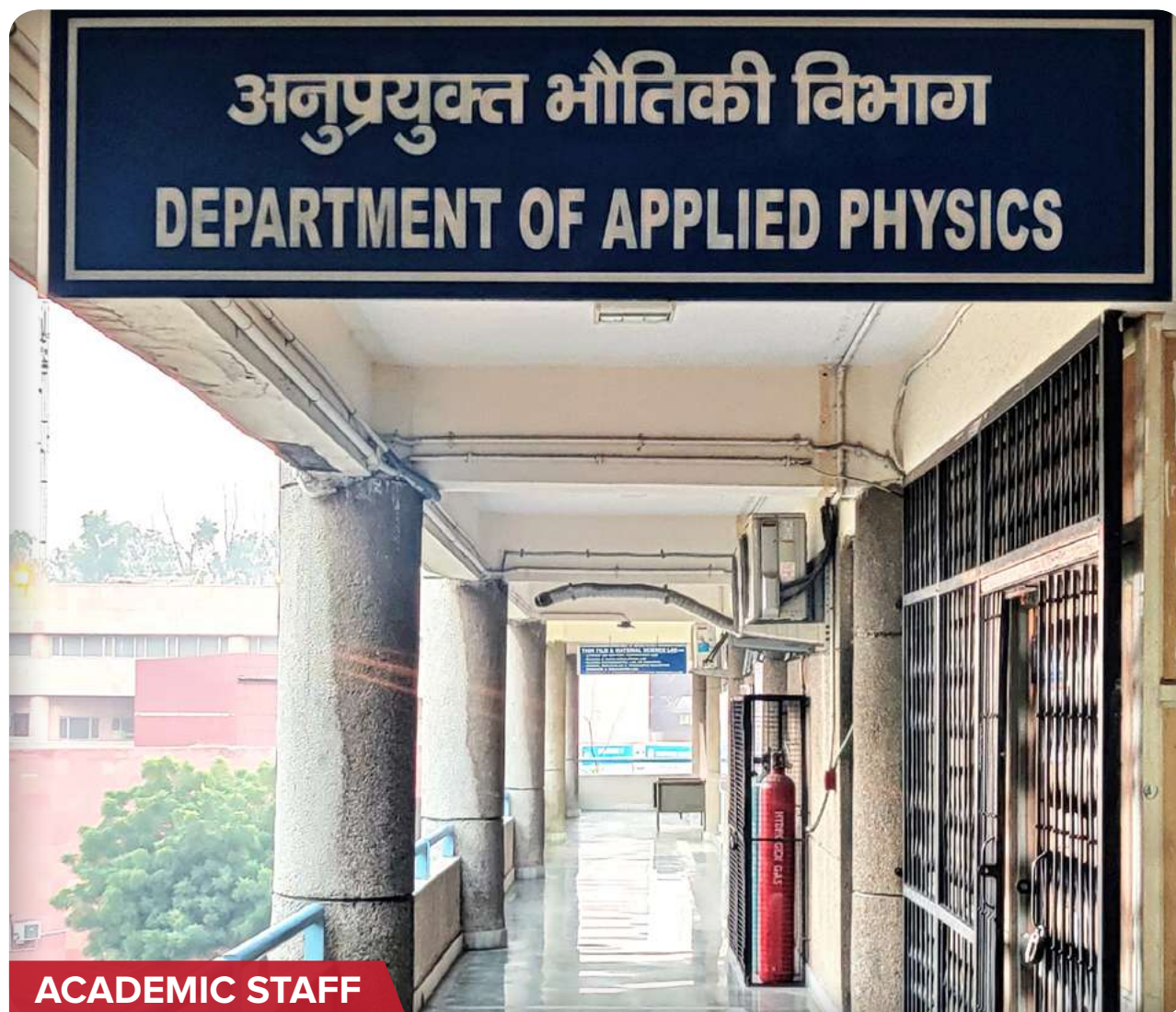
LABORATORIES

The Department has 27 Labs:

Applied Physics Lab, Digital Electronics Lab, FPGA Design Lab, Mobile & Satellite Communication Lab, EMT, Antenna and Propagation Lab, Alternate Energy Storage & Conversion Devices Lab, Condensed Matter Physics Lab, Communication System Lab, Optics Lab, Microprocessor & Interfacing Lab, Fiber Optics & Optical Communication Lab, Microwave Engineering Lab, Advanced Instrumentation Lab, Innovation Lab and many more.

SALIENT FEATURES

Applied Physics Department is a major department of Delhi Technological University providing cutting edge research, innovation and education in the emerging areas of science and technology. The objective of the department is to create future generations of skilled Engineers and Scientists by providing quality education through cutting edge technologies and innovative teaching techniques so as to make them well equipped to face present and future challenges and their overall sustainable professional growth.



ACADEMIC STAFF

Professors: 04

- Prof. Rinku Sharma, (Head), Ph.D., Research Area: Atomic & Molecular Physics, Plasma Physics THz Radiation Emission and linear nonlinear properties of low dimensional structures.
- Prof. R.K. Sinha, Ph.D., Research Area: Fibre optics and optical communication
- Prof. S.C. Sharma, Ph.D., Research Area: Plasma Physics, Nanotechnology, High Power Microwave Devices
- Prof. A.S. Rao, Ph.D., Research Area: Solid state spectroscopy and atmospheric sciences. and their device applications

Associate Professors: 03

- Dr. Vinod Singh, Ph.D., Research Area: Synthesis and characterization of functional nanomaterials
- Dr. Rishu Chaujar, Ph.D., Research Area: Semiconductor device modelling simulation, analysis of MOSFET & HEMTS for RF & wireless applications
- Dr. Nitin K. Puri, Ph.D., Research Area: Nanostructured materials & thin films, high energy heavy ion beams induced structure modifications

Assistant Professors: 14

- Dr. M. S. Mehata, Ph.D., Research Area: Fluorescent spectroscopy, quantum dots, organic LEDs, thin films
- Dr. Pawan K. Tyagi, Ph.D., Research Area: Carbon nanotubes: field emitters, graphene synthesis single crystal diamond synthesis.
- Dr. Yogita Kalra, Ph.D., Research Area: Fibre and integrated optics, nano photonics, photonic crystals and their device applications
- Dr. M. Jayasimhadri, Ph.D., Research Area: Optical/fluorescent spectroscopy, solid state physics, material science, nanotechnology
- Dr. Ajeet Kumar, Ph.D., Research Area: Fibre optics, integrated optics, solar energy
- Dr. Amrish K. Panwar, Ph.D., Research Area: Energy storage & conversion devices
- Dr. Richa Sharma, Ph.D., Research Area: Multiferroic Magnetolectric Composites, Thermoelectric Materials
- Dr. Mukhtiyar Singh, Ph.D., Research Area: Theoretical Condensed Matter Physics, Density Functional Theory
- Dr. Renuka Bokolia, Ph.D, Research Area: Ferroelectric ceramics, Upconversion luminescence, Phosphors, Dielectric materials
- Dr. Bharti Singh, Ph.D., Research Area: Material Science. Thin films and Nanostructures deposition techniques.
- Dr. Sarita Baghel, Ph.D., Research Area: Solar Cells and solar materials
- Mr. Yogendra Meena, M.Sc., Research Area: Fluorescent spectroscopy, quantum dots
- Mr. Deshraj Meena, M.Sc., Research Area: Gas Sensors based on metal oxides
- Dr. Bharat Bajaj, Ph.D., Research Area: Biosensors, Gas sensors, Piezoelectric devices, Photocatalysts, Polymeric membranes for water treatment



Teachers Provided with Financial Support:

- Mr. Deshraj Meena was given a support of ₹27,000 to attend International Conference on Advance Material (ICAM-19) Organized by Nirmalagiri College
- Dr. Bharti Singh was given a support of ₹78000 to attend International Conference on Materials for Advanced Technology (ICMAT-2019) Organized by Materials Research Society Singapore
- Dr. Rishu Chaujar was given a support of ₹ 48024 to attend 9th IEEE International Conference on Modern Circuits and Systems Technologies (MOCASST) Organized by University of Aristotle, Thessaloniki, Greece
- Dr. Rishu Chaujar was given a support of ₹117900 to attend 2nd European IEEE Conference on Electrical Engineering & Computer Science EECS 2018 Organized by Bern, Switzerland 22nd to 25th December, 2018.
- Dr. Vinod Singh was given support for attending FDP for Improving Teaching, Learning & Research Competence” Organized by Engineering Staff College of India- An Autonomous Organ of The Institution of Engineers (India)
- Dr. M. Jayasimhadri was given a support for travel allowance and registration for Digital Workplace: Essentials for Non-IT Executives Organized by National Productivity Council at Ooty.

Participation of Faculty in Professional Development Programmes

- Prof. Rinku Sharma attended one week FDP Organised by Equal Opportunity Cell, DTU in July 2019
- Mr. Deshraj Meena attended workshop on E-Resources: A Gateway for Research by Central Library DTU from 10th to 14th September, 2018
- Mr. Deshraj Meena attended FDP on recent Trends in Material Science and Engineering by Department of Applied Physics DTU from 17th to 21st September 2018
- Mr. Deshraj Meena attended FDP on Networking of Technology and Education for Sustainable Development by Department of Civil Engineering DTU 12th October 2018
- Prof. Suresh C. Sharma attended workshop cum orientation programme on Leadership in Educational Administration for Academic Administrators by National Institute of Educational Planning and Administration (NIEPA), New Delhi from 24th to 26th July 2019
- Prof. Suresh C. Sharma attended 2nd Asia-Pacific Conference on Plasma Physics (AAPPS-DPP 2018) held at AAPPS-DPP, Kanazawa, Japan from 12th to 17th November, 2018
- Prof. Suresh C. Sharma attended Faculty Development (FDP) programme on Recent Trends in Material Science and Engineering (RTMSE-2018), TEQIP-III, DTU. Delhi from 17th to 21st September 2018
- Dr. Bharti Singh attended e-waste Management Workshop at National Institute of Electronics and Information Technology (MeiTY), from 28th to 30th August, 2018
- Dr. Bharti Singh attended workshop on Recent Trends in Materials Science and Engineering Department of Applied

- Physics, DTU from 17th to 21st September, 2018
- Dr. Renuka Bokolia attended one day workshop on Teaching Pedagogy held at DTU on 7th April, 2018
 - Dr. Renuka Bokolia attended FDP on Feature Engineering for Pattern Recognition organized by DTU from 1st to 5th May, 2018
 - Dr. Renuka Bokolia attended Game Changer, Faculty Development Program at DTU from 4th to 5th June, 2018
 - Dr. Renuka Bokolia attended Course on E-waste management at DTU from 28th to 30th August, 2018
 - Dr. Renuka Bokolia attended E-Resources: A Gateway for Research, 3rd ed. (2018) held at DTU from 10th to 14th September, 2018
 - Dr. Renuka Bokolia attended One-week FDP on Recent Trends in Material Science and Engineering at DTU from 17th to 21st September, 2018
 - Dr. Renuka Bokolia attended TEQIP-III Sponsored International Workshop on Networking of Technology and Education for sustainable Development held at DTU on 12th October, 2018
 - Dr. Renuka Bokolia attended One day workshop on Sensitisation of University Administration: Gender, Disability and Social Inclusion at DTU on 24th July, 2019
 - Dr. Ajeet Kumar attended Workshop on E-Resources: A Gateway for Research held at DTU from 10th to 14th September, 2018
 - Dr. Ajeet Kumar attended Faculty Development Programme on “Recent Trends in Material Science and Engineering” held at DTU from 17th to 21st September, 2018
 - Dr. Ajeet Kumar attended Workshop on ‘R’ and Econometric Tool held at DTU from 5th to 9th March, 2019
 - Dr. Rishu Chaujar attended Electronic Design Automation and Documentation Tools organized by Department of Electronics and Communication Engineering, Delhi Technological University from 22nd to 26th July, 2019.
 - Dr. Rishu Chaujar attended Recent Trends in AI and Machine Learning organized by Department of Information Technology, Delhi Technological University from 29th July to 2nd August, 2019.
 - Dr. Rishu Chaujar attended Recent Advances in Material Science and Engineering organized by Department of Applied Physics, Delhi Technological University from 17th to 21st September, 2018
 - Dr. Vinod Singh attended Faculty Development Programme for Improving Teaching, Learning & Research Competence” organized by Engineering Staff College of India- An Autonomous Organ of The Institution of Engineers (India) from 25th to 29th June, 2019
 - Dr. Vinod Singh attended TEQIP-III sponsored one week Faculty Development Programme on Recent Trends in Material Science and Engineering (RTMSE-2018) organized by Department of Applied Physics, DTU Delhi from 17th to 21st September, 2018
 - Dr. Mohan Singh Mehata attended Advance pedagogy, IPR Sponsored Research and Entrepreneurship held at DTU during 16th to 20th July, 2019
 - Dr. M. Jayasimhadri attended Recent Trends in Materials Science and Engineering organized by Department of Applied Physics, Delhi Technological University, Delhi from 29th to 2nd August, 2019

- Dr. M. Jayasimhadri attended Digital Workplace: Essentials for Non-IT Executives organized by National Productivity Council at Ooty, Tamil Nadu during 17th to 21st September, 2018
- Dr. M. Jayasimhadri attended Professional Excellence through Values, Meditation and Self-Management organized by Centre for Value Based Education, Delhi Technological University, Delhi on 26th July, 2019
- Dr. M. Jayasimhadri attended 'R' and Econometric Tool organized by Department of Humanities in association with DEXLAB Analytics, Delhi Technological University, Delhi from 5th to 9th March, 2019
- Dr. M. Jayasimhadri attended Networking of Technology and Education for Sustainable Development organized by Department of Civil Engineering, Delhi Technological University, Delhi on 12th October, 2018
- Dr. Yogita Kalra attended Workshop on E-Resources: A Gateway for Research organized by DTU from 10th to 14th September, 2018
- Dr. Yogita Kalra attended Faculty Development Programme on Recent Trends in Material Science and Engineering organized by DTU from 17th to 21st September, 2018
- Dr. Yogita Kalra attended Workshop on 'R' and Econometric Tool held at DTU from 5th to 9th March, 2019
- Dr. Yogita Kalra attended Professional Excellence through Values, Meditation and Self-Management held at DTU from 26th to 30th July, 2019
- Dr. Yogita Kalra attended Advance programme on pedagogy, IPR

Sponsored Research and Entrepreneurship held at DTU from 16th to 20th July 2019

- Dr. Amrish K. Panwar attended Workshop on E-Resources: A Gateway for Research 3rd ed: 2018 organized by Central library, DTU from 10th to 14th September, 2018
- Dr. Amrish K. Panwar attended FDP on Recent Trends in Material Science and Engineering organized by TEQIP-III, Department of Applied Physics, DTU from 17th to 21st September, 2018
- Dr. Amrish K. Panwar attended FDP on Advanced Pedagogy, IPR, Sponsored Research and Entrepreneurship by ESCI at Delhi Technological University, Delhi from 16th to 20th July, 2019
- Dr. Amrish K. Panwar attended Professional Excellence through Values, Meditation and Self-Management Centre for Value Based Education DTU, Delhi 26th July, 2019

Visit of Faculty Members to Other Institutions for Other Academic Works

Prof. Suresh C. Sharma

- Invited talk: THz Radiation Emission from Free Electron Laser Gautam Buddha University, Greater Noida, India.
Computational Physics in Applied Research 25th to 27th July, 2019
- Invited talk in International Conference on Photonics, Metamaterials & Plasmonics, Jaypee Institute of Information technology (JIIT), Noida, India Terahertz (THz) Radiation Emission from Plasma Wave Pumped Free Electron Laser, 14th to 16th February, 2019

- Oral talk in 2nd Asia-Pacific Conference on Plasma Physics in Kanazawa, Japan, Effect of doping on the Growth and Electronic Properties of Graphene - Carbon Nanotube Hybrid, 12th to 17th November, 2018
- Chairman, Invited talk & TEQIP-III, DTU, Delhi Role of Plasma on the Growth and Electronic Properties of g-CNT Hybrids on 21st September, 2018.

Dr. Vinod Singh

- Invited Lecture on Gas Phase Synthesis of Size Selected Pd-C Core-Shell Nanoparticles for Hydrogen Sensing Application in National Conference. 4th to 5th February 2019 at University of Rajasthan, Jaipur

Dr. Mohan Singh Mehata

- Photoluminescence Spectroscopy: Fundamentals and Applications” Tokyo Institute of Technology, Japan 22nd February, 2019
- Ultrafast spectroscopy of QDs Russian Academy of Science, Russia in September, 2018

Important Professional Affiliations

- Prof. Suresh C Sharma is a member of Asian African Association for plasma Training, National Academy of Sciences (MNASc), India, Institute of Electrical and Electronics Engineers (IEEE), USA, International Association of Engineers (IAENG), Hong Kong, Plasma Science Society of India (PSSI), Indian Science Congress Association (ISCA), Indian Society for Technical Education (ISTE), New Delhi, Asia Pacific Physical Societies-Division of Plasma Physics (AAPPS-DPP) American Physical Society (APS), USA

- Dr. Vinod Singh is a member of Material Research Society (MRS), Pennsylvania, USA, Member of International Association of Advanced Materials (IAAM), Sweden, Member of International Solar Energy Society (ISES), Germany, Life member of Materials Research Society of India (MRSI), Life member of Indian Society for Technical Education (ISTE), Life member of The Indian Science Congress Association (ISCA), Life member of Electron Microscope Society of India (EMSI), Life member of Indian Association of Physics Teachers (IAPT).
- Dr. Mohan Singh Mehata is a Life member of Optical Society of India and member of American Chemical Society
- Dr. Mohan Singh Mehata, member American Chemical Society, USA
- Dr. M. Jayasimhadri is a member of Vijnana Bharati (VIBHA), Indian Laser Association, The Optical Society of India, Andhra Pradesh Academy of Sciences, The Indian Science Congress Association, The Indian Society for Technical Education, International Society for Research and Development, Luminescence Society of India, Materials Research Society of India, National Environmental Science Academy
- Dr. Yogita Kalra is a member of Optical Society of America, Optical Society of India, SPIE, The Indian Science Congress Association
- Dr. Ajeet Kumar is a member of Optical Society of America, Optical Society of India, Indian Laser Association, The Indian Society for Technical Education and The Indian Science Congress Association

- Dr. Sarita Baghel is a permanent member of Solar Energy Society of India
- Dr. Richa Sharma is a life member of Electron Microscope Society of India (EMSI)
- Dr. Renuka Bokolia is a member of Electron Microscope Society of India (EMSI)

Teachers Receiving awards from Govt. Recognised Bodies

- Prof. Suresh C. Sharma received the Commendable Research Award 2019 by DTU
- Prof. A.S. Rao received the Commendable Research Award by DTU
- Prof. R.K. Sinha received the Commendable Research Award by DTU
- Dr. Vinod Singh received Commendable Research Award by DTU
- Dr. Mohan Singh Mehata received the Commendable Research Award by DTU
- Dr. M. Jayasimhadri received the Commendable Research Award by DTU
- Dr. Ajeet Kumar received the Commendable Research Award by DTU
- Dr. Yogita Kalra received the Commendable Research Award by DTU
- Dr. Amrish Panwar received the Commendable Research Award by DTU norms
- Dr. Nitin Puri received the Commendable Research Award by DTU
- Dr. Amrish K. Panwar received the Commendable Research Award and ₹50000 grants

Teachers Receiving Grants from Govt. Recognised Bodies for research

- Dr. Vinod Singh received a grant of ₹4,85,000 for 2 Years from Delhi Technological University (DTU)
- Dr. Mohan Singh Mehata received a grant of ₹62,17,000 from SERB, DST for 3 years
- Dr. Mohan Singh Mehata received a grant of ₹19,75,000 from DST-RFBR for 2 years
- Dr. Richa Sharma received a grant of ₹2,88,000 for 2 Years from Delhi Technological University (DTU)
- Dr. Renuka Bokolia received a grant of ₹4,83,000 for 2 Years from Delhi Technological University (DTU)

Students provided with financial support to attend Conferences / Seminars / Symposia / Workshops/ Short Term Courses/Guest Lectures

- Ms. Pooja Chauhan received \$2200 to attend SPIE OPTICS & PHOTONICS Conference in August, 2018
- Ms. Reena attended Siegmann School on Lasers OSA in August, 2018

Programmes where Revision was carried out

A major revision was carried out in M. Tech. (NST) Programme in 2019

Professional Development Programmes Organized

The Department organized TEQIP sponsored programme on Recent Trends in Materials Science and Engineering during 17th to 21st September, 2018 co-ordinated by Dr. Renuka Bokolia

Collaborative Activity for Research, Faculty and Student Exchange

- Dr. Mohan Singh Mehta participated in a 2 year research collaborative activity with Russian Academy of Science, Russia financed by DST from 2017-2019

Linkages with Institutions and Industries

- A research project with Department of Science & Technology (DST), Govt of India, under SERB Scheme commenced in 2018 for a period of 3 years in which Prof. Suresh C. Sharma was appointed as Principal Investigator.

Students pursuing Higher Education

- Mr. Ayush Paliwal is pursuing MS from University of Göttingen (Germany)
- Mr. Jorawar Dham is pursuing MS from McGill University (Canada)
- Ms. Anushka Nagpal is pursuing MS from Texas A & M (USA)
- Mr. Alankrit Tomar is pursuing Ph.D. from University of Texas, Austin (USA)

Students' Achievements

- Ms. Pooja Chauhan received SPIE Officer Travel Grant (\$2200)
- Mr. Alankrit Tomar received Mitacs Globalink Scholarship for summer internship
- Mr. Rishi Aneja received Mitacs Globalink Scholarship for summer internship
- Mr. Mrityunjay Kumar Singh Received Research fellowship of National Chiao Tung University, Taiwan
- Ms. Reena received Travel grant to attend Siegmann School on Lasers

Teachers receiving seed Money for Research

- Prof. Suresh C. Sharma as Principal Investigator received ₹23,93,794/- from Department of Science & Technology (DST), Govt. of India, New Delhi, under SERB Scheme
- Dr. Bharti Singh received ₹8,00,000/- from UGC Startup
- Dr. Vinod Singh received ₹4,85,000/- from Delhi Technological University
- Dr. Mohan Singh Mehata received ₹62,17,000/- from SERB, DST
- Dr. Mohan Singh Mehata received ₹19,75,000/- from DST-RFBR

Teachers awarded International Fellowship

- Dr. Mohan Singh Mehata was appointed as visiting Professor in National Chiao Tung University, Taiwan

4.4 Department of Biotechnology

54
Journal
Publications

16
Conference
Publications

10
Book
Chapters

Faculty
7

ACADEMIC PROGRAMMES

- B. Tech. (Biotechnology)
Intake: 62
Students Admitted: 62
- M. Tech. (Bioinformatics)
Intake: 25
Students Admitted: 10
- M. Tech. (Industrial Biotechnology)
Intake: 24
Students Admitted: 7
- M. Tech. (Biomedical Engineering)
Intake: 23
Students Admitted: 4
- Ph.D. Research Scholars: 29

LABORATORIES

The department has ten state-of-the-art laboratories, viz. Nano bioelectronics Laboratory, Stem Cell Biology Laboratory, Functional Genomics and Molecular Nanoscience Laboratory, Environmental Biotechnology Laboratory, Plant Molecular Biology Laboratory, Computational Biology Laboratory, Biochemistry Laboratory, Immunotherapeutic Laboratory and Genome Informatics Laboratory.

SALIENT FEATURES

The main objective of the Department is to provide academic training and conduct research in the interdisciplinary areas of biotechnology with particular emphasis on extending the knowledge generated from these studies towards the development of technologies of commercial significance. Research interests of the department include Nano bioelectronics, Neurobiology, Genome Informatics, Immunotherapeutic, Plant Molecular Biology and Environmental Biotechnology.



ACADEMIC STAFF

Professors: 03

- Prof. Jai Gopal Sharma (HOD), Ph.D., Doctoral Research Fellow, Areas of Interest are Aquaculture, Industrial Biotechnology, fatty acid, and amino acid analysis
- Prof. Pravir Kumar, Ph.D., Postdoctoral Research Associate and Faculty/Adjunct Faculty, Tufts University School of Medicine (2007-2016) Areas of Interest are Neurobiology and Molecular medicine
- Dr. Bansi D. Malhotra (Reemployed), Ph.D., Postdoc, Areas of Interest are Nanobiotechnology, biosensors, flexible electronics, Biofuel cells, Self-powered devices

Associate Professors: 02

- Dr. Yasha Hasija, Ph.D., Areas of Interest are Genome Informatics, Human Disease Genomics, and Interactomics, Genome Annotation, Integration of genome-scale data for Systems Biology and Personalized Genomics
- Dr. Nirala Ramchiary, Ph.D., Areas of Interest are Plant Genetics and Metabolomics

Assistant Professors: 02

- Dr. Asmita Das, Ph.D., Postdoctoral Research Fellow, Areas of Interest are Cancer Immunotherapeutic, Cellular, and Molecular Immunology and Immunoinformatics
- Dr. Navneeta Bharadwaj, Ph.D., Areas of Interest are Medicinal Plant Biotechnology, Phyto-remediation, Algal Biofuels

Achievements of the Department

Following Workshops were conducted by the department

- FTNIR- A modern approach for analysis of natural and pharma products by BRUKER Optik, Germany (07th September, 2018)
- Proximate Analysis of Natural Products by NIR Absorption Spectrometry by FOSS India Pvt Ltd. (14th August, 2018)
- Wastewater Analysis using latest Spectrometer Prove 600 by Merck Life Science Pvt Ltd (4th October, 2018)
- Achieving Research Excellence with the help of Research Management Software sponsored by MENDELIX in collaboration with ELSEVIER. (2nd November, 2018)

Teachers and Students provided with financial support to attend Conferences, Seminars, etc.

- Prof. Jai Gopal Sharma received ₹44,159/- for attending Asian Pacific Aquaculture 2019 organized by World Aquaculture Society
- Ms. Arpita Roy and Dr. Navneeta Bharadwaj received ₹35,000 to attend International Conference on Plant Biology and Biotechnology organized by Magnus Group, Singapore

Participation in Professional Development Programmes by our Faculties

- Dr. Yasha Hasija participated in Staff Development Program on “Electronic Design Automation and Documentation Tools” organized by Department of Electronics and Automation Engineering, Delhi Technological University
- Dr. Yasha Hasija participated in Short Term Course on “Personality Development, Leadership, and Ethics” organized by

Centre for Professional Development in Higher Education (CPDHE-HRDC)

- Dr. Navneeta Bharadwaj participated in Workshop on Professional Excellence through Values, Meditation, and Self-Management organized by Centre for Value-Based Education, Delhi Technological University
- Dr. Asmita Das participated in Workshop on Professional Excellence through Values, Meditation, and Self-Management organized by Centre for Value-Based Education, Delhi Technological University
- Dr. Asmita Das participated in FDP on ‘Polymer Analysis & Applications: Current Scenario’ organized by TEQIP-III sponsored FDP organized by the Department of Applied Chemistry at DTU, Delhi
- Dr. Prakash Chandra participated in Training Program on Effective Lectures Presentation through PPT organized by Human Resource Development Center, Delhi Technological University
- Dr. Prakash Chandra participated in Professional Excellence through Values, Meditation, and Self-Management organized by Centre for Value-Based Education, Delhi technological University
- Dr. Prakash Chandra participated in FDP on Machine Learning for Pattern Recognition organized by TEQIP-III sponsored FDP organized by the Department of Information Technology at DTU, Delhi with twinning partner MITS, Gwalior
- Dr. Prakash Chandra participated in FDP on ‘Polymer Analysis & Applications: Current Scenario’ organized by TEQIP-III sponsored FDP organized by the Department of Applied Chemistry at DTU, Delhi

- Dr. Saurabh C. Saxena participated in FDP on Machine Learning for Pattern Recognition organized by TEQIP-III sponsored FDP organized by the Department of Information Technology at DTU, Delhi with twinning partner MITS, Gwalior
- Dr. Saurabh C. Saxena participated in National Conference on “Neglected and Underutilized Crop Species for Food, Nutrition, Energy and Environment (NUCS-FNEE)” organized by National Institute of Plant Genome Research (NIPGR), New Delhi
- Dr. Kriti Bhandari participated in Workshop on Professional Excellence through Values, Meditation, and Self-Management organized by Centre for Value-Based Education, Delhi Technological University
- Dr. Kriti Bhandari participated in Training Program on Effective Lecture Presentation through PPT organized by Human Resource Development Centre, Delhi Technological University

Faculty visit to other institutions for taking Experts’ Lectures and other academic works

- Prof. Jai Gopal Sharma visited Jaypee Institute of Information Technology, Sector-62, Noida, U.P. to deliver a lecture on “Amino Acid Research: Past, Present, and Future”
- Prof. Jai Gopal Sharma visited IILM, College of Engineering and Technology, Noida to deliver a lecture on “Recent Advances in Amino acids analysis”
- Prof. Jai Gopal Sharma served as co-convener in the training at Aqua Research Lab Department of Zoology (University of Delhi), New Delhi, India on the topic Recent Advances in Fish

Nutrition” (Sponsored by Department of Biotechnology, Govt. of India)

- Prof. Pravir Kumar was invited in Department of Biomedical Engineering, University of South Florida, USA for a talk on Ubiquitin E3 ligases, stress proteins, biomolecules, and Neurodegenerative disorders
- Prof. Pravir Kumar visited Department of Biomedical Engineering, Cullen College of Engineering, University of Houston, Texas, USA to deliver a lecture on Physiological and pharmacological stimulus in the Neurodegenerative disorders
- Prof. Pravir Kumar visited International conference on emerging researches in bioscience (ICERB), Guru Ghasidas Vishwavidyalaya, Koni, Bilaspur (CG) India to deliver a lecture on Ubiquitin proteasome system in neurodegenerative disorders
- Prof. Pravir Kumar visited International conference-cum-workshop on Informatics Tools in Drug Discovery and Drug Delivery (ITDDD-2018) Punjabi University, Patiala to deliver a lecture on Characterization and mechanistic role of biomolecules in the reversal of stress-induced neurodegeneration Informatics tools in Drug discovery and Drug delivery
- Dr. Asmita Das was invited to delivered a distinguished lecture in ‘Popular lecture series’ organized in Chhatrapati Shahuji Maharaj University in association with Department of Biotechnology, Govt. of India.

Important Professional Affiliations

- Prof. Jai Gopal Sharma, Life Member (Aquaculture), The Society of Aquaculture Professionals (SAP)

- Prof. Jai Gopal Sharma, Life Member (Biotechnology), Biotechnology Society of India
- Prof. Jai Gopal Sharma, Life Member (Fisheries), Asian Fisheries Society, Philippines
- Prof. Jai Gopal Sharma, Life Member (Life Sciences), Indian Science Congress Association, India
- Prof. Jai Gopal Sharma, Life Member (Aquaculture), Association of Aquaculturists, CIFA, India
- Prof. Jai Gopal Sharma, Life Member (Aquaculture), Indian Fisheries Association, CIFE, India
- Prof. Jai Gopal Sharma, Life Member (Marine Biotechnology), Marine Biological Association of India, CMFRI
- Prof. Jai Gopal Sharma, Life Member (Biotechnology), Electron Microscope Society of India
- Prof. Jai Gopal Sharma, Life Member (Nutrition), Nutrition Society of India
- Prof. Jai Gopal Sharma, Life Member (Biotechnology), Indian Society of Remote Sensing (ISRS)
- Prof. Jai Gopal Sharma, Life Member (Biotechnology), Indian Immunology Society
- Prof. Jai Gopal Sharma, Life Member (Biology), Indian Society for Radiation Biology
- Prof. Jai Gopal Sharma, Life Member, Indian Red Cross Society
- Prof. Jai Gopal Sharma, Life Member (Aquaculture), Coldwater Fisheries Society of India
- Prof. Jai Gopal Sharma, Life Member (Biogas), Biogas Forum India
- Dr. Bansi D. Malhotra, Life Member (Biotechnology), Fellow National Academy of Science
- Dr. Bansi D. Malhotra, Life Member (Material Science), Asia Pacific Academy of Materials (Academician)
- Dr. Bansi D Malhotra, Life Member, Advisory Board, Biotechnology Journal
- Dr. Bansi D Malhotra, Life Member, Fellow of INSA
- Dr. Yasha Hasija, Life Member (Human Genomics), Indian Society of Human Genetics (ISHG)
- Dr. Yasha Hasija, Life Member (Biotechnology), Society of Biological Chemists (SBC)
- Dr. Yasha Hasija, Life Member, The Indian Science Congress Association
- Dr. Yasha Hasija, Member, International Association of Engineering
- Dr. Yasha Hasija, Member, National Network for Mathematical and Computational Biology (NNMCB)
- Dr. Asmita Das, Life Member, Indian Immunology Society
- Dr. Asmita Das, Life Member, the Indian Science Congress Association

Students pursuing Higher Education

- Vedant Sachdeva, an alumnus of B. Tech. course is pursuing M.S. in Wageningen University
- Kritika Garg, an alumnus of B. Tech. course is pursuing M.S. in University of Illinois, Chicago

Students' Achievements

- Pragya Nagar stood 2nd in Basketball Girls tournament

- Stuti Mittal was honoured with Dr. Panjabrao Deshmukh Memorial Trophy
- Arpita Roy won Commendable Research Award
- Arpita Roy, Presentation at 3rd Global Congress on Plant Biology and Biotechnology
- Arpita Roy, Oral Presentation at Jaypee Institute of Information Technology
- Arpita Roy, Poster Presentation at National Workshop, Department of Chemistry, University of Delhi

Teachers Receiving awards from Govt. Recognised Bodies

- Prof. Jai Gopal Sharma was awarded with National Green Award-2019
- Dr. Bansi D. Malhotra was awarded in Nanomaterial based bioelectronic devices
- Dr. Yasha Hasija won Excellence in Research Award, DTU
- Dr. Asmita Das won Excellence in Research Award, DTU
- Dr. Navneeta Bharadwaj won Excellence in Research Award

Details of Awards for Innovation received by the Department

- Excellence in Research and development of Innovative Green Model for solving Environmental Issue in the competition was Awarded to Ms. Stuti Mittal (Mentored by Prof. Jai Gopal Sharma), organized by Eco Club, Shivaji College, University of Delhi

- Award for Innovation was given in the National Workshop on Thieme Chemistry: Science of Synthesis to Mr. Lokesh Kumar (Ph.D. Scholar) by Department of Chemistry, University of Delhi
- Award for Best Poster was given in India-Japan Workshop on Biomolecular Electronics and Organic Nanotechnology for Environment Preservation-2018 (IJWBME-2018) to Ms. Shine Augustine (Ph.D. Scholar) by CSIR-NPL 2018

Staff Training

- Mr. Chhail Bihari, Mr. Jitendra Singh, and Mr. Surender Sharma participated in the Staff Development Program organized by TEQIP-III, DTU

Functional MoUs with Institutions of National, International Importance, Other Universities, etc

- MoU was signed with Rajiv Gandhi Cancer Research Institute and Center in 2016 for a period of 5 years. Activities under the MoU included Sample (Serum/ Saliva samples from breast cancer patients). 5 number of students and teachers participated under the MoU



4.5 Department of Civil Engineering



ACADEMIC PROGRAMMES

- B. Tech. (Civil Engineering)
Intake: 122
Students Admitted: 121
- B. Tech. (Evening) (Civil Engineering)
Intake: 60
Students Admitted: 60
- M. Tech. (Geotechnical Engineering)
Intake: 25
Students Admitted: 22
- M. Tech. (Hydraulic and Water Resources Engineering)
Intake: 24
Students Admitted: 16
- M. Tech. (Structural Engineering)
Intake: 25
Students Admitted: 28
- Ph.D. Research Scholars: 26

LABORATORIES

The Department has 12 well equipped laboratories and 2 research laboratories related to Structure, Concrete testing, Soil Mechanics, Highway Engineering, Experimental Stress Analysis, Computational Mechanics, Earth-quick Technology, Transportation Lab, GIS Facility, CAD Lab, Geology Lab and Hydraulics Laboratories.

SALIENT FEATURES

Traditionally Civil Engineering has played an important role in improving the civic life of society by harmonizing the natural resources available on earth. Some of the major areas in the field of Civil Engineering are design and construction of various structures like bridges, buildings, roads, tunnels and dams, developing new construction technologies, Design and development of Foundation systems, Geotechnical Engineering, Transportation and Traffic Engineering, Municipal and Sanitary services, surveying, GIS and Remote Sensing, and Hydraulics and Water Resources Engineering. Besides the basic and engineering sciences the curriculum in Civil Engineering covers various professional subjects on structures, foundations, construction, works management and cost, transportation engineering, irrigation engineering, hydraulics, environmental engineering and earthquake technology etc.



ACADEMIC STAFF

Professors: 10

- Dr. Nirendra Dev (HOD), B. Tech., M.Sc. (Engg.), Ph.D. Structural Engineering, Areas of interests are Structural Engg., Structural Dynamics, Finite Element Method, Disaster Management, High Strength Nano Composites, Concrete Technology
- Dr. Ashutosh Trivedi, B.Sc. (Engg.), M.Tech., Ph.D. Geotechnical Engineering Areas of Interest are Civil Engineering, Geotechnical Engineering, Rock Mechanics, Soil Dynamics
- Dr. V.K. Minocha (on diverted capacity as Principal, CBPGEC, Jaffarpur), B.E., M. Tech., Ph.D. Water Resources, Area of Interest is Environmental Engineering
- Dr. A.K. Gupta (on diverted capacity), B. Tech., M.S., Ph.D., Area of Interest is Structure Engineering
- Dr. Anil Kumar Sahu, B.E., M.E., Ph.D., Area of Interest is Geotechnical Engineering
- Dr. K.C. Tiwari (Retd. Col), M.E. (CAD), Ph.D. Microwave/Optical Remote Sensing, GIS, Expert Systems, Image Processing, Areas of Interests are Geoinformatics and its applications in Civil Engineering, Disaster management, Optical and Microwave remote sensing, GIS, Hyperspectral and SAR data processing, Camouflaged Target detection, Super resolution mapping, Satellite Image Processing Artificial intelligence
- Dr. Rakesh Kumar, M. Tech., Ph.D. Fluid Mechanics, Areas of Interests are Hydraulics and Water Resources: Model studies through CFD softwares
- Dr. Amit Kumar Shrivastava, B.E., M.E., Ph.D., Areas of Interests are Geotechnical Engineering, Rock Mechanics, Pile Foundation, Geo Environmental Engineering
- Dr. Alok Verma, M. Tech. Structural Engineering, Ph.D., Areas of Interests are Earthquake technology and use of fuzzy logic and neural networking in the area of durability studies
- Dr. Naresh Kumar, M. Tech., Ph.D., Deep Foundations; Experimental testing on load carrying capacity of Innovative Piles; IPR Laws
- Dr. Awadhesh Kumar, M.E. CAD, Ph.D., Areas of Interests are Cementious Products, Tall Buildings and Non-Linear Analysis using Finite Element Method

Scientist C: 01

- Prof. Anubha Mandal, B.Tech., Ph.D. (Integrated), Areas of Interests are Air Pollution, Indoor Air Pollution & Health, Solid Waste Management & Health

Associate Professors: 11

- Mr. Rakesh Mehrotra, B. Tech., M. Tech., Areas of Interests are Environmental Engineering & Waste Water Engg., CFD Modelling
- Mr. G.P. Awadhiya, M. Tech. Structures, Area of Interest is Structural Engineering
- Dr. S. Anbu Kumar, B.E., M. Tech., Ph.D., Areas of Interests are Fluid Mechanics, Hydraulics and Water Resource Engineering
- Mr. Susheel Kumar, B. Tech., M. Tech. Transportation, Area of Interest is Traffic and Transportation Engineering
- Mr. Narad Muni Prasad, M.Sc. Transportation, Area of Interest is Pavement Engineering
- Dr. Raju Sarkar, B.E., M.E., Ph.D. Soil Mechanics, Geotechnics for Natural Disaster Mitigation, Soil-Structure Interaction, Environmental Geotechnology, Pavement Geotechnology, Ground Improvement technique, Numerical Modeling

- Dr. Munendra Kumar, M.E., Ph.D. Fluid Mechanics, Areas of Interests are Fluid Mechanics, Hydraulics
- Dr. T. Vijay Kumar, B.E., M.E., Ph.D., Areas of Interests are Environmental Engineering, Fluid Mechanics & Hydraulics
- Mr. A.R. Kongan, B.E., M.E. Soil Mechanics & Foundation Engg, Areas of Interests are Structural Engineering and Transportation Engineering/Prestressed Concrete, High Rise Buildings, Collapsible and Expansive soils
- Dr. Shilpa Pal, B.E., M.E., Ph.D., Area of Interest are Seismic analysis of dams and shape stability studies, disaster risk reduction studies, Biofortified concrete, green material in construction.
- Dr. Pradeep K. Goyal, B.E., M.E., Ph.D., Area of Interest is Structural Engineering

Assistant Professors: 04

- Mr. B.R.G. Robert, B.E., Areas of Interest are Geology, Surveying, Building Materials & Construction
- Dr. Bharat Jhamnani, B.E., M.E. Ph.D., Area of Interest is Hydraulics Engineering
- Dr. Ritu Raj, B. Tech., M. Tech., Ph.D., Areas of Interest are Structural Engineering, Wind Engineering
- Mr. Hrishikesh Dubey, B.E., M. Tech., Areas of Interest are Structure Engineering, Earthquake Engineering



Teachers provided with financial support to attend Conferences, Seminars, etc.

- Dr. Shilpa Pal received ₹10,786/- to attend UKIERI Concrete Congress-The Global Builder organized by NIT Jalandhar

Participation in Professional Development Programmes by our Faculties

- Dr. A.K. Sahu participated in International Symposium on “Testing and Technology for Load Carrying Capacity of Deep Foundation” organized by Department of Civil Engineering, Delhi Technological University
- Dr. T. Vijay Kumar Participated in Developing Competencies to enhance performance organized by TEQIP.
- Dr. Shilpa Pal participated in FDP Advanced Pedagogy, IPR, Sponsored Research and Entrepreneurship organized by Engineering Staff College of India
- Dr. Shilpa Pal participated in workshop on Performance Based earthquake Engineering for Enhanced Community Resilience organized by Department of Earthquake Engineering, IIT Roorkee
- Dr. Shilpa Pal participated in workshop Networking of Technology and Education for Sustainable Development organized by Department of Civil Engineering, Delhi Technological University
- Dr. Shilpa Pal participated in workshop on Current Aspects of Research Evaluation and Plagiarism organized by JIIT, Noida

Faculty visit to other institutions for taking Experts’ Lectures and other academic works

- Dr. A.K. Sahu visited National Institute of Technical Teachers Training and Research, Chandigarh at Aryabhata Institute of Technology, GTK Road, Delhi to deliver a lecture on Geotechnical consideration for seismic design and retrofitting of bridges
- Dr. Awadhesh Kumar visited TEQIP Workshop in J.C. Bose University of Science and Technology, Faridabad to deliver a lecture on Structural Design
- Dr. Awadhesh Kumar visited TEQIP Twinning Workshop in J.C. Bose University of Science and Technology, Faridabad to deliver a lecture on CAD: Specialised Software
- Dr. Awadhesh Kumar visited DRDO for detailed design review of their project on Vertical Shaft Based Underground Explosive Storage Structure of Capacity 5T NEC per chamber
- Dr. Shilpa Pal visited VNIT, Nagpur to deliver a lecture on Dam Failure: Cause, Social impact and Mitigation
- Dr. Shilpa Pal delivered lecture on seismic analysis of dam foundation in FDP on earthquake resistant design of structure, DTU
- Dr. Ritu Raj delivered lecture on wind resistant design of tall buildings in FDP on earthquake resistant design of structure, DTU
- Mr. Hrishikesh Dubey delivered lecture on performance based design of buildings in FDP on earthquake resistant design of structure, DTU



Important Professional Affiliations

- Dr. P.K. Goyal, Life Member, ISTE, New Delhi
- Dr. Shilpa Pal is Life Member of ISET, ISCMS, ICI, SCRS, ISC, IASTRUCTE and Associate member of Institute of Engineers

Professional Development Programmes, Conferences, Seminars, Workshop, etc organized by the Department

- One day International workshop Networking of Technology and Education for Sustainable Development was organized on 12th October, 2018 sponsored by TEQIP, for 70 participants by Dr. T. Vijay Kumar, Department of Civil Engineering, Delhi Technological University
- A workshop on Professional Excellence through values, meditation and self-

management was organized on 26th July, 2019 sponsored by TEQIP, for 70 participants, by Dr. T. Vijay Kumar, Department of Civil Engineering, Delhi Technological University

- One Week FDP on Earthquake Resistant Design of Structures was organized during 27th to 31th May, 2019 sponsored by TEQIP, by Dr. Shilpa Pal, Dr. T. Vijay Kumar, Dr. Ritu Raj, Department of Civil Engineering, Delhi Technological University

Functional MoUs with Institutions of National, International Importance, Other Universities, etc

- MoU was signed with Heartfulness Education Trust in 2019 for a period of 3 years. Activities under the MoU included Training of Students and Faculty Members for Value Education

Revenue generated from consultancy

S. No.	Name of the consultant	Name of consultancy project	Total Grant (Rs.)	Consulting/ Sponsoring agency with contact details	Year of grant	Revenue generated (INR in Lakhs)
1	Dr. Nirendra Dev	Quality assurance towards construction	290.80 crore	DDA	2019	93.05 Lakhs
2	Dr. Nirendra Dev	Design check of two BHK house	235.40 crore	DDA	2018	94.16 Lakhs
3	Dr. Nirendra Dev	Quality assurance towards construction of 2 and 3 BHK in Dilshad garden	236.959 crore	DDA	2018	94.78 Lakhs
4	Dr. Anil Kumar Sahu	Mix of grouting material for MWSL lining work		Delhi Jal Board under Yamuna Action plan	2019	59 thousand
5	Dr. A.K. Shrivastava	Inspection of hostel block for assesting structural health		CPWD	2019	8.65 lakhs
6	Dr. A.K. Shrivastava	Inspection of site and testing of material for quality check	179 crore	DDA	2018	71.60 Lakhs

4.6 Department of Computer Science and Engineering

51
Journal
Publications

59
Conference
Publications

1
Book
Chapters

Faculty
22

ACADEMIC PROGRAMMES

- B. Tech. (Computer Engineering)
Intake: 362
Students Admitted: 361
- B. Tech. (Software Engineering)
Intake: 122
Students Admitted: 121
- M. Tech. (Computer Science and Engineering)
Intake: 25
Students Admitted: 28
- M. Tech. (Software Engineering)
Intake: 25
Students Admitted: 22
- Ph.D. Research Scholars: 34

LABORATORIES

Department has developed state-of-the-art laboratories in the various fields of Computer Engineering-Computer Architecture Lab, Computation and programming Lab, Artificial Intelligence Lab, Linux Android Network Systems Lab, upcoming Samsung Digital Research Academy Lab and many others.

SALIENT FEATURES

The Department of Computer Science and Engineering endeavours to provide the thrill of a corporate R&D environment with a planned focus on industrially relevant projects and technology incubation. The curriculum defined, lays greater emphasis on design principles and development of system software for operating systems, Database management systems, data mining, computer graphics and networks. Currently the department offers Doctorate, post-graduate & under-graduate courses in fields of Computer Engineering and Software Engineering & Technology. The department also has an active student chapter of Computer Society of India (CSI) and Society of Software Engineering which contribute significantly in professional activities undertaken by IEEE and IET student's chapters. The B. Tech. (CSE) program has an NBA accreditation.



ACADEMIC STAFF

Professors: 01

- Prof. Rajni Jindal (HOD), M.C.A., M.E., Ph.D., Areas of Interest are Database Systems, Data Mining and Operating Systems

Emeritiuous/Adjunct Faculty: 01

- Prof. Daya Gupta, M.Sc., Post M.Sc. Diploma (Computer Sc.), Ph.D., Areas of Interest are Software Engineering, Artificial Intelligence, Data Mining and Security

Associate Professors: 07

- Dr. Vinod Kumar, B.E., M. Tech., Ph.D., Area of Interest is Computer Network
- Dr. Manoj Kumar, B. Tech., M. Tech., Ph.D., Area of Interest is Information Security
- Dr. Anil Singh Parihar, B. Tech., M.E., Ph.D., Areas of Interest are Pattern Recognition, Computer Vision, Soft Computing, Image Processing, Evolutionary Computing, Biometric Systems, Artificial Intelligence

- Dr. Rahul Katarya, B. Tech., M. Tech., Ph.D., Areas of Interest are Big Data Analytics, Social Networks Analysis, Human Behaviour, Multimedia Systems, Internet Technologies, Web Mining, Data Mining
- Dr. Ruchika Malhotra, Ph.D., Post Doc (Indiana University Purdue University, USA), Areas of Interest are Machine Learning and Predictive Modelling, Software Testing and Quality, Empirical Software Engineering, Search-based Software Engineering
- Dr. Shailendar Kumar, B.E., M. Tech., Ph.D., Areas of Interest are Database Systems, Datamining, Big Data Analytics, Machine Learning, Information Security, Compiler Construction, Computer Network
- Dr. Aruna Bhat, B. Tech., M. Tech., Ph.D., Areas of Interest are Machine Learning and Pattern Recognition, Campus Incubators

Assistant Professors: 12

- Dr. Akshi Kumar, B.E., M. Tech., Ph.D., Areas of Interest are Web Technologies, Text Mining, Sentiment Analysis, Recommender Systems, Social & Semantic Web, User-generated Big-Data, Internet-of-Everything
- Dr. Rajesh Kumar Yadav, B.E., M. Tech., Ph.D., Areas of Interests are Mobile Computing, Wireless Sensor Network, Computer Networks, Theory of Computation, PCA
- Dr. Divyashikha Sethia, B. Tech., M. Tech., Ph.D., Areas of Interests are Distributed Systems, Computer Networks, Algorithms, Mobile Computing, mHealth, Cryptography
- Ms. Abhilasha Sharma, B. Tech., M. Tech., Pursuing Ph.D., Areas of Interests are Software Engineering, Software Testing, DBMS, Web Technology, Web Security
- Mr. Rohit Beniwal, B. Tech., M. Tech., Pursuing Ph.D., Areas of Interest are Social Web, Semantic Web, Software Engineering, Machine Learning
- Ms. Minni Jain, B. Tech., M. Tech., Pursuing Ph.D., Areas of Interest are Natural Language Processing, Sentiment Analysis, Information Security
- Mr. Nipun Bansal, B. Tech., M. Tech., Pursuing Ph.D., Areas of Interest are Information Security, Biometric Security, Network Security
- Mr. Sanjay Kumar, B. Tech., M. Tech., Pursuing Ph.D., Areas of Interest are Social Network Analysis, Database Systems, Data Science, Information Security and Algorithms
- Mr. Sanjay Patidar, B.E., M.E., Pursuing Ph.D., Areas of Interest are IOT data mining, security, Stream Data mining, Machine Learning, IOT Smart Application, Data science, Theory of Computation
- Ms. Sonika Dahiya, B.E., M. Tech., Pursuing Ph.D., Areas of Interest are Algorithms and Data Mining, Data Structures, Theory of Computation
- Mr. Prashant Giridhar Shambharkar, B.E., M. Tech., Pursuing Ph.D., Areas of Interest are Data Mining, Real Time Systems, Programming Fundamentals, Mobile Health Monitoring
- Mr. Rahul, B. Tech., M. Tech., Pursuing Ph.D., Areas of Interest are Database, Data Mining, Machine Learning, Social Networks

Programmer: 01

- Mr. Manoj Sethi, M.Sc. (OR), M.E. (CTA), LMCSI, Pursuing Ph.D., Area of Interest is Database Management Systems



Achievements of the Department

- MoU has been signed with Samsung Research India for duration of 3 years (2019-2022) for development and support of the DTU Samsung Research Academy in the area of security, health and AI.
- Dr. Rahul Katarya presented 3 experts talks three weeks UNESCO Project with two UG students.



- Dr. Rahul Katarya coordinated and organized a One-day international Seminar on 21st August, 2018, on “Recent Trends in Big Data Analytics” in Delhi Technological University, collaboration with various New Zealand universities: Auckland University of Technology, the University of Waikato and University of Auckland. Following were the speakers:



- Dr. Dave Parry, Head, Department of Computer Science, AUT University, New Zealand
- Dr. Richard Clarke, Associate Dean (Post Graduate Research), Engineering Department, The University of Auckland, New Zealand
- Prof. Rajeev Sharma, Associate Dean of Strategic Projects, Waikato Management School, University of Waikato, New Zealand



Teachers provided with financial support to attend Conferences, Seminars, etc.

- Prof. Rajni Jindal received ₹18,000/- for attending 10th International Conference on Computing, Communication and Networking Technologies (ICCCNT), organized by IIT Kanpur.
- Dr. Divyashikha Sethia received ₹13,800/- for attending SECUREWARE 2018, organized by IARIA.
- Mr. Sanjay Patidar received ₹1,18,000/- for attending ICCCM 2019 ACM Conference, organized by IACSIT.
- Mr. Rohit Beniwal received ₹1,61,000/- for attending IEEE ICCI*CC 2019, organized by Politecnico di Milano, Milan, Italy.
- Ms. Minni Jain received ₹1,60,000/- for attending SCIS & ISIS 2018, organized by Japan Society for Fuzzy Theory and Intelligent Informatics (SOFT), Toyama, Japan.

Participation in Professional Development Programmes by our Faculties

- Prof. Rajni Jindal participated in PDF for SR academic cum administrative executives organized by IIM Shillong
- Dr. Rahul Katarya participated in organized by Recent Trends in AI and Machine Learning organized by Department of Information Technology, Delhi Technological University
- Dr. Rahul Katarya participated in Electronic Design Automation and Documentatizon Tools organized by Department of Electronics & Communication Engineering, Delhi Technological University
- Dr. Rahul Katarya participated in Machine Learning for Pattern Recognition (MLPR-2019) organized by Department of Information Technology, Delhi Technological University
- Dr. Rahul Katarya participated in Earthquake Resistant Design of Structures organized by Department of Civil Engineering, Delhi Technological University
- Dr. Rahul Katarya participated in Networking of Technology and Education for Sustainable Development organized by Department of Civil Engineering, Delhi Technological University
- Dr. Rahul Katarya participated in Bond graph Modelling & Simulation (BMS-2018) organized by TEQIP-III
- Dr. Rahul Katarya participated in Recent Trends in Material Science & Engineering organized by Department of Applied Physics, Delhi Technological University
- Dr. Rahul Katarya participated in E-waste training for the Govt. Officials organized by National Institute of Electronics and Information Technology (NIELIT), Ministry of Electronics and Information Technology
- Dr. Rahul Katarya participated in E-Resources: A Gateway for Research, 3rd Edition (2018) organized by Central Library Delhi Technological University
- Dr. Shailender Kumar participated in Recent Trends in AI and Machine Learning organized by Department of Information Technology, Delhi Technological University
- Dr. Shailender Kumar participated in Machine Learning for Pattern Recognition (MLPR-2019) organized by Department of Information Technology, Delhi Technological University

- Dr. Rajesh Kumar Yadav participated in Recent trends in material science and engineering organized by Department of Applied Physics, Delhi Technological University
- Dr. Rajesh Kumar Yadav participated in Machine Learning for Pattern Recognition (MLPR-2019) organized by Department of Information Technology, Delhi Technological University
- Dr. Rajesh Kumar Yadav participated in Advanced Pedagogy, IPR, Sponsored research and entrepreneurship organized by Engineering Staff College of India (ESCI), Hyderabad at DTU
- Dr. Rajesh Kumar Yadav participated in Electronic design automation and documentation tools organized by Department of Electronics & Communication Engineering, Delhi Technological University
- Mr. Manoj Sethi participated in Recent Trends in AI and Machine Learning organized by Department of Information Technology, Delhi Technological University
- Mr. Sanjay Patidar participated in E-Resources: A Gateway for Research, 3rd Edition (2018) organized by Central Library Delhi Technological University
- Mr. Sanjay Patidar participated in Game Changer organized by Delhi Technological University
- Mr. Sanjay Patidar participated in one day International Seminar on “Recent Trends in Big Data Analytics” organized by Delhi Technological University
- Mr. Sanjay Patidar participated in Advanced Pedagogy, IPR, Sponsored research and entrepreneurship organized by Engineering Staff College of India (ESCI), Hyderabad at DTU
- Mr. Rohit Beniwal participated in Game Changer organized by Delhi Technological University
- Mr. Prashant Giridhar Shambharkar participated in one day International Seminar on “Recent Trends in Big Data Analytics” organized by Delhi Technological University
- Mr. Rahul participated in E-Resources: A Gateway for Research, 3rd Edition (2018) organized by Central Library Delhi Technological University
- Mr. Rahul participated in Bond graph Modelling & Simulation (BMS-2018) organized by TEQIP-III
- Mr. Rahul participated in e-waste training for the Govt. Officials organized by National Institute of Electronics and Information Technology (NIELIT), Ministry of Electronics and Information Technology
- Mr. Rahul participated in Electronic Design Automation and Documentation Tools organized by Department of Electronics & Communication Engineering, Delhi Technological University
- Mr. Rahul participated in Machine Learning for Pattern Recognition (MLPR-2019) organized by Department of Information Technology, Delhi Technological University
- Mr. Rahul participated in Earthquake Resistant Design of Structures organized by Department of Civil Engineering, Delhi Technological University
- Ms. Minni Jain participated in Recent Trends in AI and Machine Learning organized by Department of Information Technology, Delhi Technological University

Faculty visit to other institutions for taking Experts' Lectures and other academic works

- Prof. Rajni Jindal visited NIT Silchar to deliver a lecture on Basics of Machine Learning Decision Trees
- Prof. Rajni Jindal visited IGDTUW as a DRC Chairperson
- Dr. Rahul Katarya visited Auckland University of Technology (AUT), Auckland, New Zealand to deliver a lecture on Tackling Natural Disasters in India and New Zealand using Big Data & Machine Learning: The Future
- Dr. Rahul Katarya visited University of Auckland, New Zealand to deliver a lecture on Opportunities, Issues, and Challenges in Big Data Analytics: India-New Zealand Perspective
- Dr. Rahul Katarya visited Department of Information Technology, Otago Polytechnic, New Zealand to deliver a lecture on Role of Big Data in Climate Change: India-New Zealand Connection
- Dr. Rahul Katarya visited Department of Computer Science and Engineering, SRM Institute of Management & Technology, Delhi-NCR Campus, Ghaziabad, India to deliver a lecture on Artificial Intelligence in Healthcare
- Dr. Rahul Katarya visited Department of Computer Science and Engineering, Jaypee Institute of Information Technology (JIIT) Noida, India to deliver a lecture on Swarm Intelligence based Optimization
- Dr. Akshi Kumar visited Department of Computer Science and Engineering, SRM Institute of Management & Technology, Delhi-NCR Campus, Ghaziabad, India to deliver a lecture on Role of Natural

Language Processing in Social Media Mining of Sentiments

- Dr. Akshi Kumar visited Department of Computer Science and Engineering, Jaypee Institute of Information Technology (JIIT) Noida, India to deliver a lecture on Soft Computing for Sentiment Analysis in Social Media: Techniques and Trends
- Dr. Akshi Kumar visited Special Training Programme on Cryptology and Information Security, Scientific Analysis Group, Defence R&D Organization, New Delhi to deliver a lecture on Data Mining Techniques in Cyber Security Solutions
- Mr. Prashant Giridhar Shambharkar visited IGDTUW as an external examiner for Practical Examination/Viva Voice

Important Professional Affiliations

- Prof. Rajni Jindal, Senior Member, IEEE
- Prof. Rajni Jindal, Life Member, CSI
- Prof. Rajni Jindal, Life Member, ISTE
- Dr. Rahul Katarya, Life Member, CSI
- Dr. Rahul Katarya, Member, IEEE
- Dr. Akshi Kumar, Member, ACM
- Dr. Akshi Kumar, Member, LMCSI
- Dr. Akshi Kumar, Member, LMISTE
- Dr. Akshi Kumar, Member, IAENG
- Dr. Akshi Kumar, Member, IACSIT
- Dr. Rajesh Kumar Yadav, Member, IEEE
- Dr. Rajesh Kumar Yadav, Life Member, ISTE
- Dr. Rajesh Kumar Yadav, Member, IAENG
- Dr. Divyashikha Sethia, Member, ACM
- Dr. Divyashikha Sethia, Member, IEEE
- Mr. Manoj Sethi, Life Member, CSI
- Mr. Rohit Beniwal, Member, ACM
- Mr. Rohit Beniwal, Member, IEEE
- Mr. Rohit Beniwal, Member, IAENG

- Mr. Rohit Beniwal, Life Member, CSI
- Mr. Rohit Beniwal, Member, IETE
- Mr. Rohit Beniwal, Life Member, ISTE
- Mr. Prashant Giridhar Shambharkar, Member, ACM
- Mr. Prashant Giridhar Shambharkar, Life Member, CSI
- Mr. Prashant Giridhar Shambharkar, Member, IAENG

Students pursuing Higher Education

- Gurnaaz Kaur, an alumna of B. Tech. course, is pursuing Master of science in computer science Brown University
- Tanmay Singh Sengar, an alumna of B. Tech. course, is pursuing MBA from IIM, Lucknow
- Aditya Agarwal, an alumna of B. Tech. course, is pursuing Masters of Science in Computer Science from University of Oxford
- Sujal, an alumna of B. Tech. course, is pursuing Masters of Science in Computer Science from North Carolina State University
- Nikunj Khetan, an alumna of B. Tech. course, is pursuing Experimental Psychology from University of Rochester
- Shubham Goyal, an alumna of B. Tech. course, is pursuing MBA from IIMA
- Vaibhav Kumar, an alumna of B. Tech. course, is pursuing MBA from IIM Calcutta
- Nistha Chakraborty, an alumna of B. Tech. course, is pursuing Master in Management from HEC Paris
- Saurabh Sharma, an alumna of B. Tech. course, is pursuing Masters of Science in Computer Science from Columbia University
- Rishi Madhok, an alumna of B. Tech. course, is pursuing Masters of Science in

Computer Vision from Carnegie Mellon University

- Lakshay Singh, an alumna of B. Tech. course, is pursuing Masters in Business Administration from Indian Institute of Management, Indore
- Mohit Bhagawan Singh Dalawat, an alumna of B. Tech. course, is pursuing Master of Science in Computer Science from University of Adelaide
- Laavanye Bahl, an alumna of B. Tech. course, is pursuing Masters in Robotics Systems Development from Carnegie Mellon University
- Shobhit lamba, an alumna of B. Tech. course, is pursuing Masters of Science in Computer Science from University of Illinois at Chicago
- Vaibhav Darbari, an alumna of B. Tech. course, is pursuing Master of Science in Computer Science from Columbia University
- Surbhi Batra, an alumna of B. Tech. course, is pursuing Masters of Science in Computer Science from University of Southern California

Students' Achievements

- Dhruv Rathi: Research Intern at the University of British Columbia, Vancouver, Canada under Dr. Julia Rubin. Funded by MHRD through Shastri Indo Canadian Fellowship
- Shreya Gupta: Research intern under RIPS (Research in Industrial Projects for Students) 2019, UCLA (University of California, Los Angeles)
- Mononito Goswami: Robotics Institute Summer Scholar, Carnegie Mellon University
- Navneet Saggu, Pragati Singh, Neeraj Bhat, Sarthak Pratap Narayan Singh, Chaitali Rao and Mrigank Singh: Winners,

- Smart India Hackathon 2019, SKF India Limited
- Sarthak Katyal: Best Rotaractor Male, Rotary International District 3011 (Delhi + NCR)
 - Harsh Dabas: Winner, Best Paper Presentation, 2nd International Conference on Computer Science and Artificial Intelligence, Shenzhen, China
 - Aarav Singh, Aditya Kulraj Kunwar, Aditya Singh, Akashdeep Ramnane and Deepanshu Varshney: Winners, Smart India Hackathon 2018, Ministry of Human Resource Development and Govt. of Maharashtra
 - Umirbek Murotov: Networking Internship - Uzbekistan's talented youth program, Microsoft Russia
 - Sirjanpreet Singh Banga: Secured 3rd Position, Dwitya Abhikalan, organised by E-Gurukul Bharat
 - Himanshu Aggarwal: Jury's Choice Award, Accenture Innovation Challenge, Bangalore
 - Meghna Bhatnagar: Google Women Techmakers Scholarship 2018, APAC Region
 - Priyal Aggarwal: Awarded Google Women Techmakers Scholarship. Participated in a 4-day retreat for scholars at the Google office, Seoul, South Korea
 - Sanchit Kumar: Gold Medal in a National Level Handball tournament in DTU Sports Fest-Aahvaan '19

Teachers receiving awards, recognition and fellowships from Government bodies

Commendable Research Award DTU was awarded to:

- Prof. Daya Gupta
- Dr. Rahul Katarya
- Dr. Ruchika Malhotra
- Dr. Akshi Kumar
- Dr. Divyashikha Sethia

Students provided with financial support to attend Conference, Seminars, etc.

- Siddhant Bhambri received ₹83,907/- to attend 8th International Conference on Advances in Computing, Communication and Information Technology CCIT organized by Birmingham City University, Birmingham, United Kingdom
- Hritik Dahiya received ₹9,000/- to attend 4th IEEE International Conference on Internet of Things: Smart Innovation and Usages (IoT-SIU) organized by Krishna Engineering College, Ghaziabad, UP, India
- Abbas received ₹16,200/- to attend IEEE 10th International Conference on Computing, Communication and Networking Technologies (ICCCNT) organized by Kanpur

Teachers awarded with International Fellowship for Advanced Studies/Research

- Dr. Ruchika Malhotra was awarded DST International Travel Grant to present paper: "Evaluation of Novel Approaches to Software Engineering" at 14th International Conference on Evaluation of Novel Approaches to Software Engineering by DST

Functional MoUs with Institutions of National, International Importance, Other Universities, etc.

- MoU was signed between DTU and Samsung in 2019 for a period of 3 years

Linkages with Institutions/ Industries for Internship, On-the-Job Training, Project Work, Sharing of Research Facilities

- MoU with Samsung Research India from 2019 for a period of 2 years for Lab Setup. Dr. Rajni Jindal, Dr. Divyashikha

Sethia, Ms. Minni Jain participated in the linkage.

- MoU for M. Tech. for Samsung Employees was signed with Samsung. Dr. Rajni Jindal, Dr. Ruchika Malhotra participated in the linkage.

Collaborative activities for Research, Faculty Exchange, or Student Exchange

S. No.	Activity	Collaborating Agency	Participants
1	Supported Matrix Factorization using Distributed Representations for Personalized Recommendations on Twitter	National Funding from the FCT - Fundação para a Ciência e a Tecnologia through the UID/EEA/50008/2013 Project; by the Government of the Russian Federation, Grant 08-08; by Finep, with resources from Funttel, Grant No. 01.14.0231.00, under the Centro de Referência em Radiocomunicações - CRR project of the Instituto Nacional de Telecomunicações (Inatel), Brazil; by National Funding from the Brazilian National Council for Research and Development (CNPq) through the Grant No. 309335/2017-5.	Akshi Kumar, A.Arora, H. Singh, N.D. Gupta, A. Khanna, Joel J.P.C. Rodrigues
2	A Particle Swarm Optimized Learning Model of Fault Classification in Web-Apps	Funding Agency: 10.13039/501100004502-Chongqing University of Posts and Telecommunications, China	Deepak Jain, Akshi Kumar, Saurabh Sangwan, Gia Nhu and Prayag Tiwari

4.7 Department of Design

Faculty
8

ACADEMIC PROGRAMMES

- Bachelor of Design (B.Des.)
Intake: 60
- Students Admitted: 60

LABORATORIES

Apart from the existing studios and laboratories, the following labs have been proposed for the Department of Design:

- Prototyping Labs
- Physical Ergonomics Labs
- User study and Experience Facility
- Video and Sound Design Lab
- State of the Art Computer Lab/ iMac Lab
- Printing Facility for Visual Communication
- Advanced Design Studio (Centre for design excellence)

SALIENT FEATURES

Strategic role of design through innovation in enhancing national and industrial competitiveness is universally recognized and underpins the national policy of Govt. of India. The strategy to achieve this vision seeks spot light on strengthening quality design education and usages of design in different sectors. In furtherance of this national design vision, Delhi Technological University had decided to provide facilities for excellent design education, research and training to suit the needs of the society. Department of Design is envisioned to pursue excellence in design thinking, design scholarship and design practice for the betterment of society in a holistic manner. Design is viewed as a driver of innovation and is recognized as key differentiator for providing competitive edge to products and services. It involves an integrated humanistic approach to design products, it involves an integrated humanistic approach to design products, services and systems. It seeks to delve deeper in understanding of technological, Commercial and societal context in conception. Developments and delivery of innovative products and services as well as tools, techniques and methods required in the practice of design suitable to environment.



ACADEMIC STAFF

Professors: 03

- Prof. Ranganath M. Singari, Head of Department, BE, ME, DMS, Ph.D., Materials & Methods, Optimization Techniques, Advanced Manufacturing, Product Design & Development, Industrial Design, Innovative Design and Practice.
- Prof. Lalit Kumar Das, Honorary Distinguished Faculty, B. Tech, M.Tech., M.A., Industrial Design, Design Thinking, Sustainable Design, Design Education and Pedagogy.
- Prof. S. G. Ranjan, Graduate in Painting (5 years) – 1981 and Post Graduate in Print Making (2 years) – 1983, Art-Design, Music- Theatre, Heritage and Travelling. Emphasis on Creative arts and Product development in the Craft sectors for social development and Creative knowledge sharing

Assistant Professors: 05

- Neeraj Rathee, BFA, MFA, Ph.D. (Pursuing), Visual Communication, Branding, Identity Design, Graphic Design, Animation, Drawing, Illustration, Design Research
- Partha Pratim Das, B.E., M.Tech., M.Des., P.hD. (Pursuing), Human Centered Design, Design for Sustainability, Design Thinking, Systems Design, Design for Experience, Grassroots Innovation
- Varun Singh, B.Arch., M.Arch., Architectural Design, Visual Design, Art, Design Research, History Theory and Criticism
- Taruna Singh, B.Des., M.Des., Accessory Design, Product Design & Development, Design Thinking, Craft Innovation & Design, Design Research.
- Dr. Ravindra Singh, B.Tech., M.Des., P.hD, Universal Design, Human Centric Design, Sustainable Design, Frugal Design, Design Research and Innovative Product Design



Expert Talks Organized by Department

During the first year of its operation the Department of Design was visited by many distinguished personalities in the field of Design during 2nd January to 4th May, 2019. They conducted Expert Talks & Guest Lectures exposing the students to a wide variety of ideas.

- Mr. Chandrashekhar Bheda, Design Professional and an alumni of National Institute of Design, and Sir J.J. School of Arts, Bombay, delivered an expert lecture on Various Perspectives of Design at DoD, DTU.
- Mr. Ajay Gupta, Founder & Director of Firsttouch Solutions delivered an expert lecture on the topic: Product Design and its Applications at DoD, DTU.
- Mr. Neeraj Sahai, Senior Creative Designer delivered an expert lecture on the topic: Importance of Visual Communication at DoD, DTU
- Mr. Anuj Prasad, Founder Director at Desmania Design Pvt. Ltd. delivered an expert lecture on the topic: Innovative Product Design at DoD, DTU.
- Mr. Yamini Iyer, Design Educator delivered an expert lecture on the topic: Role of Creativity in Design at DoD, DTU.
- Ms. Bindoo Ranjan, Centre Head at National Institute of Design, Delhi delivered an expert lecture on the topic: Design Clinic MSME at DoD, DTU.
- Ms. Tanya Garg, Post Grad Student of Politecnico of Milano, Milan, Italy, Delhi delivered a talk on: Design Culture in Italy at DoD, DTU.
- Ms. Puja Ratnakar, NIFT Alumni, delivered an expert lecture on the topic: Life Style Accessory Design at DoD, DTU

- Mr. Aakash Kumar, Associate Director-User Experience at MakeMyTrip.com delivered an expert lecture on the topic: User Experience and Interaction Design at DoD, DTU
- Mr. Rishab Manocha, Creative Director at Vanitas Collections Pvt. Ltd. delivered an expert talk on the topic: Design Thinking at DoD, DTU
- Prof. Shailendra S Kushwaha, Advisor at Faculty of Fine Arts and MRID, MSU, Vadodara delivered an expert lecture on the topic: Visual and Graphic Design at DoD, DTU
- Mr. Shailen Parker, Advisor at Faculty of Fine Arts and MRID, MSU, Vadodara delivered an expert lecture on the topic: Photography as a Tool at DoD, DTU
- Dr.T Vijaya Kumar & Ms. Meenu Khurana, from DTU, delivered an expert lecture on the topic: Different Perspective of Design at DoD, DTU
- Prof. Ranganath M Singari , from DTU, delivered an expert lecture on the topic: Design Research and Pedagogy at DoD, DTU

Design Workshop on Creativity and Sketching organized by Department 3rd June – 28th June, 2019

Experts:

- 1st to 3rd June, 2019
Workshop on Calligraphy by Mr. Amit Kharsani.
- 4th to 6th June, 2019
Toy Design Workshop by Prof Sudarshan Khanna and Ms. Surbhi Khanna from NID.
- 6th to 10th June, 2019
Workshop on Storytelling through Cartoons and comics by Mr. Sumit Kumar, Bakarmax

- 11th to 28th June, 2019
Sketching and Digital Rendering by Mr. Roshan Kove (Xenmotive) Prof. SG Ranjan, Mr. Neeraj Rathee, Mr. Partha Pratim Das, Mr. Varun Singh, Ms. Taruna Singh (DoD, DTU)

Competitions Organized by Department:

- Art & Design Competition (October 2018),
- Poster/ Painting/ Drawing Competition, National Productivity Council (January 2019)

Teams/ Societies (Deptt. of Design):

- Organizing Team (Faculty Advisor: Mr. Partha Pratim Das)
- Editors Team (Faculty Advisor: Mr. Neeraj Rathee)
- Game Design (Faculty Advisor: Prof. Ranganath M Singari)

Student's Achievements & Awards

1. Cadence, The Intra-college music competition of DTU
 - shika Goswami (violin)
 - Purajit Sonowal (Bass guitar)
 - Jayesh Kerketta (Vocals and guitar)
 - Vineet Kapil (Vocals and guitar)
 - Mithravinda K. G. (Vocals)
2. Udghosh, The Sports Fest of IIT Kanpur
 - Ankit Kumar (Triple jump, kabaddi)
 - Raghav Byala
3. Antaragini, The Cultural Festival of IIT Kanpur
 - Ishika Goswami (Instrumental duet, fusion band)
 - Purajit Sonowal (Fusion band)
 - Jayesh Kerketta (Acapella, duet singing)
 - Vineet Kapil (Acapella)
4. Mood Indigo, The Cultural Festival of IIT Bombay
 - Ishika Goswami (Instrumental duet, fusion band, acapella)
 - Purajit Sonowal (Fusion band)
 - Jayesh Kerketta (Acapella, duet singing)
 - Vineet Kapil (Acapella)
 - Mithravinda K. G. (Acapella)
 - Gopika Gopakumar (FA Marathon contest)
 - Ketan Prajapati
5. ICAPIE Conference
 - Prashant Singh
 - Purajit Sonowal
 - Kashyap Jyoti Dutta
 - Arnav Gupta
 - Himang Shukla
 - Kartik Basumatary
6. DDBIC Bootcamp Delegates
 - Yamini Gupta
 - Snehanshu Bindal
 - Adarsh Dalbehera
 - Naman Chadha
7. Yuvaan
 - Arnav Gupta
 - Purajit Sonowal
 - Hrutuja Meshram
8. Rang BadlavKe - Slum painting
 - Shirsha Biswas
 - Gopika Gopakumar
 - Vibhor Aggarwal
 - Arshia Gupta
 - Ishita Dobhal
 - Ayushi Suri

4.8 Delhi School of Management

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Journal
Publications

12
Conference
Publications

11
Book
Chapters

Faculty
15

ACADEMIC PROGRAMMES

- MBA
Intake: 120 +International students
Students admitted: 129
- MBA (Executive)
Intake: 60
Students admitted: 42
- Ph.D. Research Scholar 10

LABORATORIES

Delhi School of Management has access to a wide array of world class facilities that include fully equipped Computer Centre, a chain of scientifically advanced Research Laboratories, Smart Classrooms with State of the Art audio and video support, a fully Centralized Library with a plethora of available volumes, an Auditorium with a capacity of over a thousand, an Open Air Theatre, and a fully developed Sports Centre.

SALIENT FEATURES

Delhi School of Management (DSM) was established in 2009 with Delhi College of Engineering (DCE) acquiring a University status, being officially renamed as Delhi Technological University (DTU) through a legislature passed by the Delhi State Assembly. DSM envisages at developing distinctive future managers, keeping up with the tradition of DCE (and now DTU) by providing excellent world class education. DSM was established with a vision of inculcating a penchant for innovation, research, and experimentation in the aspiring managers. DSM aims at extending the seven-decade long legacy of DCE by incubating and developing techno-managers, who are adept at identifying pertinent and critical business problems and apply their technical skills and competencies in solving those issues. In order to train its students to face the challenges of an information and knowledge driven work environment, DSM provides them with the Triple E: Education, Experience and Exposure. DSM strives to inculcate in its students the managerial competence through specialized knowledge and skills, while simultaneously empowering their minds through quality teaching, consultancy, and other professional services in order to fulfil its role of a vibrant and model institution capable of imparting quality education in the area of Management Studies. DSM envisions at developing a knowledge society by providing equitable access to the masses and broadening the span of their participation in the areas of higher education.



ACADEMIC STAFF

Professors: 02

- Prof. Rajan Yadav, Head, DSM, MBA, Ph.D.. Area of Interest are Services Marketing, Sales and Distribution
- Prof. P. K. Suri, M.Tech., Ph.D., Area of Interest are E-Governance, Project Management, Quantitative Methods

Emeritus Professors: 01

- Prof. G C Maheshwari, Ph.D., Area of Interest are Finance, Accounting and Strategy

Assistant Professors: 12

- Dr. Archana Singh, MBA (Finance), Ph.D., Area of Interest are Corporate Finance, Financial Accounting, Security Analysis
- Dr. Shikha N Khera, MBA, NET, Ph.D., Area of Interest are Organizational Behaviour, Organizational Development
- Dr. Vikas Gupta, MBA, NET, Ph.D., Area of Interest are Knowledge Management, Innovation Management, Business Process Re-engineering, CSR
- Dr. Meha Joshi, MBA, NET, Ph.D. Area of Interest are Organizational Development, Customer Relationship Management, Talent Management

- Dr. Abhinav Chaudhry, BE, MBA, NET, Ph.D Area of Interest are Production and Operations Management, Business System Analysis and Design, International Marketing
- Dr. Sonal Thukral, M.Com., MBA, NET-JRF, Ph.D, Area of Interest are Finance, International Business
- Ms. Deepali Malhotra, M.Com., M.Phil, NET-JRF, pursuing Ph.D, Area of Interest are Strategy Management, International Business, Finance
- Ms. Deep Shree, MBA, NET-JRF, Pursuing Ph.D, Area of Interest are Marketing, Not for Profit Marketing, Brand Management, Qualitative Research
- Mr. Yashdeep Singh, B.E., MBA, NET, Pursuing Ph.D, Area of Interest are Marketing Management, Information Technology Management
- Mr. Mohit Beniwal, B. Tech., MBA, Pursuing Ph.D Area of Interest are General Management, Information Systems
- Mr. Chandan Sharma, B. Tech., PGDM, Pursuing Ph.D, Area of Interest are Finance, Strategy
- Mr. Dhiraj Kumar Pal, B.E, PGDM, Pursuing Ph.D Area of Interest are Marketing, Operations & SCM, Strategy

Achievements of Department

- Organized International conference on Business and Management on the theme “Disruptions in Business- Embracing the age of digitalization”, 29th to 30th March, 2019
- Collaborated with IIT-Delhi on the project titled “Public Engagement on Health and Development in India’ 19”
- 03 students cleared UGC-NET Dec’18
- Events organized:
 - HR Conclave ‘19
 - Entheos’19
 - Alumni cricket league’19
 - Ahaan’18: Dawn of Festivals
 - Umang Utsav’18
- Prof. Rajan Yadav was given a support of ₹24000 to attend conference on Blended Learning Pedagogy using MOOCs held at IIM Bangalore on 22nd June, 2019
- Dr. Archana Singh was given a support of ₹47000 to attend conference on Machine learning with business applications held at IIM B during 20th to 25th May, 2019
- Dr. Vikas Gupta was given a support of ₹185892 to attend conference at KM Academy, ITCILO Turin Campus, Italy ITCILO Turin Campus, Italy during 15th to 19th October, 2018.
- Dr. Vikas Gupta attended Professional Development Training, IIM Trichy, India with support from TEQIP III from 3th to 7th December, 2018.
- Dr. Meha Joshi presented a Study on Protean and Boundaryless Career Aspects and their Impact on Psychological Well Being of Indian Millennials with a support of ₹89,217 at Academic Scholars Network, Kuala Lumpur Malaysia on 28th June, 2019

Teachers provided with financial support to attend Conferences, Seminars, etc.

- Prof. Rajan Yadav was given a support of ₹14140 to attend Flow Marketing Event by Times of India 14th to 15th March, 2019

- Deepali Malhotra attended Simulation Workshop, offered by Harvard Business Publishing & SPJIMR, Mumbai, held at SPJIMr. Mumbai 15th to 16th, March 2019 with a support of ₹43,046
- Deepali Malhotra attended Case Method Teaching Seminar, offered by Harvard Business Publishing & IIM Ahmedabad Case Centre, IIM Ahmedabad from 12th to 13th December, 2018
- Dhiraj Kumar Pal attended Two Days FLOW-Marketing Event Times of India with a support of ₹18,784 from 14th to 15th March, 2019
- Dhiraj Kumar Pal attended Indian Management Conclave by MBA Universe.com from 2nd to 3rd August, 2019
- Yashdeep Singh was given a support of ₹14750 to attend Workshop on Deep Learning and Artificial Intelligence held at Fore School of Management, New Delhi during 17th to 21st December, 2018
- Yashdeep Singh was given a support of 43750 to attend FDP on Fundamentals of Data Analysis & Reporting for Research and Publication – Module 1 IIM- Kozhikode during 10th to 15th June, 2019
- Deep Shree was given a support of ₹39362 to attend Case Method Teaching Seminar organized by Harvard Business School during 12th to 13th December, 2018
- Mohit Beniwal attended Financial Econometrics programme at IIM Calcutta with a support of ₹15,000/- during 27th to 28th April, 2019
- Mohit Beniwal attended programme on Empirical Finance and Accounting research IIM Calcutta with a grant of ₹50,000/- during 29th April - 7th May, 2019
- Mohit Beniwal attended Time Series and Panel Data Modelling and Forecasting: Suing E-Views and SPSSGIM, Goa with a grant of ₹22,000/- from 16th to 18th March, 2019
- Mohit Beniwal attended workshop on Artificial Intelligence and Machine Learning using Python at NSUT, Delhi with a support of ₹6,000/- during 17th to 28th June, 2019
- Chandan Sharma was given a support of ₹63,287/- to attend IIM Calcutta - Pre-Summer School Tutorial and Research Summer School In Empirical Finance And Accounting IIM Calcutta during 27th April to 7th May 2019
- Chandan Sharma was given a support of ₹25,145/- to attend GIM Summer School Workshop on Time Series and Panel Data Modelling and Forecasting held at Goa Institute of Management from 16th to 18th May 2019

Faculty Visits to Institutions for Other Academic Work

- Prof. Rajan Yadav visited Indraprastha Engineering College for Expert Lecture on Entrepreneurial Opportunities and Risk in DST sponsored FDP on 9th January, 2019
- Prof. Rajan Yadav visited Netaji Subhas University of Technology for Member Curriculum Development Workshop for BBA Program on 15th December, 2019
- Prof. Rajan Yadav visited Netaji Subhas University of Technology as a Member Curriculum Development Workshop for MBA Program on 12th January, 2019
- Prof. Rajan Yadav visited Gitaratan International Business School Speaker in National Marketing Seminar on Disruptive Marketing: Creating an Impact on Customers on 19-01-2019

- Dhiraj Kumar Pal visited 2nd Edition Future Executive Assistant Summit & Awards 2019 organized by UBS Forums as an Expert Speaker & Panel Discussion on 26th June, 2019

Students Achievements:

- Mehul Agrawal, Hanumant Kothiyal, Sukriti Kanwar won Nitisangram – All India Marketing event held at Shri Ram College of Commerce, Delhi
- Harsheen Kaur was the Winner of Negotiator competition, held during Junior world entrepreneurship forum 7.0, BIMTECH, Birla Institute of Management Technology
- Dishant Kumar, Anurag Joshi were among the top 25 finalists of PepsiCo change the game challenge, India region
- Shristi Sharma was the winner of Kartavya 2.0, Tatva'19, Lal Bahadur Shastri Institute of Management
- Paili Rajesh stood 2nd at Shrinkala competition, IIM Shillong
- Hiral Jain, Himanshu Gupta was the Runner up of Markovista competition organized by DIME, IIT Kanpur
- Bhavya Chojar was the Winner of Go onsite, National level event organized by BITS Pilani
- Himanshu Gupta, Hiral Jain, Bhavya Chojar were the winners of Markonics 3.0, TATVA'18 held at Lal Bahadur Shastri Institute of Management
- Amarjeet Kumar was the winner of Digital round, SBI Numero Uno Quiz 2019, SBI LHO Delhi
- Jayant(c), Prateek Saroha, Rakesh Mehla, Prerit Mahalwar, Rakesh Kumar, Aditya Bharadwaj, Preekshit Dhiman, Maaz Khan, Kripa Shankar Jha, Harsh Pathak, Rohan were the winners of

FIESTA - THE SPORTS FEST OF Faculty of Management Studies (FMS).

Important Professional Affiliations

- Prof. Rajan Yadav, Life Member, GIFT
- Prof. P.K. Suri, Member, Governing Council, Global Institute of Flexible Systems Management
- Prof. P.K. Suri, Member, Managing Committee, Global Institute of Flexible Systems Management
- Prof. P.K. Suri, Senior Member, Indian Institution of Industrial Engineering
- Dr. Vikas Gupta, Lifetime Membership of ISRD
- Dr. Vikas Gupta, Lifetime Membership of CEGR
- Dr. Vikas Gupta, Lifetime Membership of Vibha India
- Mr. Chandan Sharma, Member, Financial Management Association
- Mr. Chandan Sharma, Member, The Econometrics Society

Name of the new courses introduced

- A course on Data Analytics-I (EKTm/EIT-11) was introduced in MBA (Executive)
- A course on Data Analytics-II (EKTm/EIT-12) was introduced in MBA (Executive)

Programmes where syllabus revision was carried out

- A Minor revision in MBA (Executive) was carried out in which 2 electives in KTM specialisation were added

4.9 Department of Electronics and Communication Engineering

75
Journal
Publications

56
Conference
Publications

9
Book
Chapters

Faculty
29

ACADEMIC PROGRAMMES

- B. Tech. (Electronics and Communication Engineering)
Intake: 185
Students Admitted: 185
- B. Tech. Evening (Electronics and Communication)
Intake: 60
Students Admitted: 51
- M. Tech. (VLSI Design and embedded system)
Intake: 25
Students Admitted: 19
- M. Tech. (Signal Processing and Digital System Design)
Intake: 25
Students Admitted: 11
- M. Tech. (Microwave and Optical Communication Engineering)
Intake: 25
Students Admitted: 04
- PhD.. Research Scholars: 28

LABORATORIES

Currently the Department has 11 well equipped curriculum laboratories and 4 research laboratories.

SALIENT FEATURES

The Department of Electronics and Communication Engineering has seen considerable growth since its inception in 1976. The vision of the department is to focus on the incubation of innovations in the areas of electronic design/ fabrication, and communication technologies, which are needed to address the growing challenges of tomorrow. The overall aim is to harbour a sustainable, and continuously evolving scientific, technological and educational environment which is both internationally-adapted and industry-relevant.



ACADEMIC STAFF

Professors: 11

- Prof. S. Indu (HOD), Ph.D., Area of Interest are Computer Vision, Image Processing
- Prof. Asok De, Ph.D., Area of Interest are Communication System, Microwave
- Prof. D R Bhaskar, Ph.D., Area of Interest are Bipolar and MOS Analog Integrated Circuits
- Prof. Rajiv Kapoor (on diverted capacity as Principal, AIACTR, Delhi), Ph.D., Areas of Interest are Machine Learning and Computer Vision
- Prof. O.P. Verma (on diverted capacity as Principal, GBPEC, Govt. of NCT of Delhi), B.E., M.Tech., Ph.D., Areas of Interests are Image Processing, Signal Processing, Soft Computing, Artificial Intelligence
- Prof. N.S. Raghava, Ph.D., Areas of Interest are Antenna and Propagation, Microwave Engineering
- Prof. Rajeshwari Pandey, Ph.D., Area of Interest are Linear Integrated Circuits, Fiber Optical Communication
- Prof. Neeta Pandey, Ph.D., Area of Interest are Analog and Digital VLSI Design, Current mode ADC Design
- Prof. J Panda, Ph.D., Area of Interest are Digital Signal Processing, Computer Vision, Digital System Design
- Prof. Dinesh Kumar, Ph.D., Area of Interest are Image processing, Clustering
- Dr. Rajesh Rohilla, Ph.D., Area of Interest are Computer Vision, Machine Learning, Embedded Systems, Robotics

Associate Professors: 05

- Dr. M.S. Choudhary, Ph.D., Areas of Interest are Bio Medical Signal, Image Processing
- Mr. Rajesh Birok, M. Tech., Areas of Interest are Bio Medical Instrumentation
- Dr. Alok Singh, Ph.D., Areas of Interest are Analog Signal Processing
- Dr. Gurjit Kaur, Ph.D., Area of Interest are Optical Communication, Wireless Communication, IOT
- Dr. Poornima Mittal, Ph.D., Area of interest are Organic Electronics, VLSI Design, Device Modeling

Assistant Professors: 13

- Dr. Deva Nand, Ph.D., Area of Interest are Analog circuit Designing, Digital System Designing
- Mr. Avinash Ratre, BE., M.Tech., Ph.D. (Pursuing), Area of Interest are Signal, Image, Video Processing, Computer Vision, Machine Learning, Pattern Recognition, Digital Communication
- Mr. Ajai Kumar Gautam, M.E., Area of Interest are Image processing, Digital Design, Embedded systems
- Dr. N. Jayanthi, Ph.D., Areas of Interests are Image Processing, Pattern Recognition, Communication Systems
- Dr. Sudipta Mazumdar, Ph.D., Area of Interest are Signal Processing
- Dr. Malti Bansal, Ph.D., Area of Interest are Wireless Sensor Networks

- Dr. Priyanka Jain, Ph.D., Area of Interest are Microwave Engineering, Digital Signal Processing
- Dr. Yashna Sharma, Ph.D., Area of Interest are Nanophotonics, Optical Communication, Sensors
- Mr. Anurag Chauhan, M. Tech. VLSI design, PhD.. (Pursuing), Area of Interest are VLSI, Nanomaterials, spintronics
- Mr. Piyush Tewari, B. Tech., M. Tech. Ph.D. (Pursuing), Area of Interest are Signal Processing, Wireless Communication and Machine Learning
- Ms. Kriti Suneja, Ph.D. (Pursuing), M. Tech., Area of Interest are Digital System Design, Speech
- Dr. Nidhi Taneja (on lien), Ph.D., Area of Interest is Electronics and Communications
- Mr. Anand Kumar, B.Tech., M.Tech., Areas of Interests are Rf and Microwave, Antenna, Metamaterials



Achievements of the Department

- GIAN Course on “Video Surveillance” during 30th July to 3rd August, 2018, Organised by ECE Department, Sponsored by MHRD, Govt. of India



- 1st International Conference on Signal Processing, VLSI and Communication Engineering (ICSPVCE), technically sponsored by IEEE Delhi Section during 28th to 30th March, 2019. Lecture on Internet of Things



- Lecture on Internet of Things



- One-week Staff Development Program on Electronic Design Automation and Documentation Tool (21st to 25th July 2019)



- Distinguished Lecture by Prof. Eduardo Nebot (University of Australia) 25th June, 2019

Teachers provided with financial support to attend Conferences, Seminars, etc.

- Dr. Gurjit Kaur received ₹42,000/- to attend one-week CE and QIP course on “Electromagnetic fields and waves: Pedagogy and computation” conducted by IIT Bombay during 12th to 16th November, 2018
- Dr. M.S. Choudhry received ₹40,000/- to attend Bioinformatics and Biomedical Image Analysis organized by Jaypee University of Information Technology, Wanknaghat
- Dr. N. Jayanthi received ₹60,000/- to attend Enhancing Organizational Productivity through ICT organized by National Productivity council, Kanyakumari

Participation in Professional Development Programmes by our Faculties

- Prof. S. Indu attended Lecture on “Internet of things” by Nishit Narang, Assistant Vice President-Technology, Aricent, Gurgaon organised by CEX department at Delhi Technological University, in collaboration with IEEE Delhi Section.
- Prof. S. Indu attended 2nd IEEE International Conference on Power Electronics, Intelligent Control and Energy Systems organised by Department of Electrical Engineering, DTU
- Prof. S. Indu Organised and attended the International conference on Signal processing, VLSI and Communication Engineering (ICSPVCE-2019) in Delhi Technological University, Delhi
- Prof. S. Indu attended ICVGIP 2018 at IIIT Hyderabad
- Prof. S. Indu attended a talk of recent TRENDS IN AI and Machine Learning Department of Information Technology, DTU
- Prof. S. Indu organised Electronic Design Automation and Documentation Tools at Department of Electronics and Communication Engineering, DTU
- Prof. S. Indu organised and attended a talk on 5G Wireless Communication at Department of Electronics and Communication Engineering, DTU
- Prof. Rajeshwari Pandey attended the FDP on Recent Trends in AI and Machine Learning at Department of Information Technology, DTU
- Prof. Rajeshwari Pandey attended a talks on Sensitisation of University Administration: Gender, Disability and Social Inclusion at Equal Opportunity Cell DTU
- Prof. Rajeshwari Pandey organised two-day workshop on Visual TCAD at Department of Electronics and Communication Engineering, DTU
- Prof. Rajeshwari Pandey organised and attended the International conference on Signal processing, VLSI and Communication Engineering (icspvce-2019) at Delhi Technological University, Delhi
- Prof. Rajeshwari Pandey organised a Health Awareness Workshop at Equal Opportunity Cell DTU
- Prof. Rajeshwari Pandey attended 2nd IEEE International Conference on Power Electronics, Intelligent Control and Energy Systems by Department of Electrical Engineering, DTU
- Prof. Rajeshwari Pandey attended the lecture on “Internet of things” by Nishit Narang, Assistant Vice President-Technology, Aricent, Gurgaon, CEX department at Delhi Technological University, in collaboration with IEEE Delhi Section.
- Prof. Neeta Pandey attended a FDP on Recent Trends in AI and Machine Learning at Department of Information Technology, DTU
- Prof. Neeta Pandey attended a talks on Sensitisation of University Administration: Gender, Disability and Social Inclusion at Equal Opportunity Cell DTU
- Prof. Dinesh Kumar attended One-week Staff Development Program on Electronic Design Automation and Documentation Tools at Department of Electronics and Communication Engineering, DTU

- Prof. Dinesh Kumar attended One-week Short Term training Programme on Recent Trends in AI and Machine Learning at Department of Information Technology, DTU
- Dr. Gurjit Kaur attended and organised the lecture on “ Internet of things” by Nishit Narang, Assistant Vice President-Technology, Aricent, Gurgaon, CEX department at Delhi Technological University, in collaboration with IEEE Delhi Section.
- Dr. Gurjit Kaur attended the International conference on Signal processing, VLSI and Communication Engineering (ICSPVCE-2019) at Delhi Technological University, Delhi
- Dr. Gurjit Kaur attended one-week CE and QIP course on “ Electromagnetic fields and waves: Pedagogy and computation “ at IIT Bombay
- Dr. Poornima Mittal attended Advanced Pedagogy, IPR Engineering Staff College of India at DTU
- Dr. Poornima Mittal talks about recent Trends in Nano-Electronics and VLSI at NIT Kurukshetra
- Dr. Poornima Mittal attended Video Surveillance GIAN course (Sponsored by MHRD) DTU, Delhi
- Dr. M. S. Choudhry attended a FDP on Recent Trends IN AI and Machine Learning at Department of Information Technology, DTU
- Dr. Alok Kumar Singh attended a FDP on Electronic Design Automation and Documentation Tools at Department of Electronics and Communication Engineering, DTU
- Dr. Sudipta Majumdar attended a SDP on Electronic Design Automation and Documentation Tool at Department of ECE, Delhi Technological University, Delhi
- Dr. Sudipta Majumdar attended a talk on Internet of Things (IOT) at Department of ECE, Delhi Technological University, Delhi
- Dr. Deva Nand attended a Gian Programme on Video Surveillance at Department of Electronics and Communication Engineering, DTU (MHRD, GIAN)
- Dr. Deva Nand attended a FPD on Recent Trends in Material Science and Engineering at Department of Applied Physics, DTU (TEQIP-III)
- Dr. Deva Nand attended a FDP on Systems Thinking for Enhanced Water Security in Urban India at Department of Environmental Engineering, DTU
- Dr. Deva Nand attended a talk on Advanced Pedagogy, IPR, Sponsored Research and Entrepreneurship at IPR Cell with ESCI, DTU
- Dr. Deva Nand attended a SDP on Electronic Design Automation and Documentation Tools at Department of Electronics and Communication Engineering, DTU
- Dr. Deva Nand attended a FDP on Recent Trends in AI and Machine Learning at Department of Information Technology, DTU
- Mr. Ajai Kumar Gautam attended a FDP on Electronic Design and automation documentation tool at Department of Electronics and Communication Engineering, DTU

- Dr. N. Jayanthi organised and attended one-week SDP on Electronic Design and automation documentation tool at Department of Electronics and Communication Engineering, DTU
- Dr. N. Jayanthi attended a FDP on Recent Trends in AI and Machine Learning at Department of Information Technology, DTU
- Dr. N. Jayanthi attended FDP on Advanced Pedagogy, IPR, Sponsored Research, Entrepreneurship at Engineering Staff College of India, Hyderabad
- Dr. N. Jayanthi attended Enhancing Organizational Productivity through ICT National productivity council, New Delhi at Kanyakumari
- Mr. Ajai Kumar Gautam attended FDP on Recent Trends in AI and Machine Learning at Department of Information Technology, DTU
- Mr. Anurag Chauhan attended SDP on Electronic Design Automation and documentation tools at DTU
- Mr. Anurag Chauhan attended STTP on AI and Machine Learning at DTU
- Mr. Anurag Chauhan attended Summer school on Advanced Lithography for Device fabrication at IIT- Mandi
- Mr. Piyush Tewari attended TEQUIP-III Sponsored One Week Short Term Training Programme on “Recent Trends in AI and Machine Learning” at Department of Information Technology, DTU
- Mr. Piyush Tewari attended TEQUIP-III Sponsored One Week Staff Development Programme on “Electronic Design Automation and Documentation Tools” at Department of Electronics and Communication Engineering, DTU
- Mr. Piyush Tewari attended Faculty Development Programme “Game Changer” at Human Resource Development Centre, DTU, Delhi
- Mr. Piyush Tewari attended GIAN Course on “Video Surveillance” at Department of Electronics and Communication Engineering, DTU
- Ms. Kriti Suneja attended STC on Phase Locked Loops at Dept. of Electrical Engineering, IITM
- Ms. Kriti Suneja attended MHRD sponsored GIAN course on Video Surveillance at Department of Electronics and Communication Engineering, DTU
- Ms. Kriti Suneja attended Adobe Digital Disha Programme at Training and placement Department, DTU
- Ms. Kriti Suneja attended a talk on Internet of Things at Department of Electronics and Communication Engineering, DTU
- Ms. Kriti Suneja attended a talk on 5G Wireless Communication at Department of Electronics and Communication Engineering, DTU
- Ms. Kriti Suneja attended Induction Programme at Mahatma Hansraj Faculty Development Centre at Hansraj College

Faculty visit to other institutions for taking Experts’ Lectures and other academic works

- Prof. S. Indu organised 2nd Workshop on Digital heritage in Association with ICVGIP 2018 at IIIT Hyderabad as Program Chair
- Prof. S. Indu delivered an expert lecture on Cryptology and Information Security (CIS 2018) Organised by DRDO

- Prof. Dinesh Kumar visited DHE, MHRD, New Delhi as Selection Committee member for selection of Indian Faculty for Secondment to Asian Institute of Technology (AIT), Thailand for August 2019 and January 2020
- Dr. Gurjit Kaur delivered an expert lecture in one-week FDP (11th to 15th March 2019) on Emerging trends in optical for all domain applications (ETODA-19) at “Optical Networks” at Deen Bandhu Chottu Ram University of Science and Technology, Murthal (Haryana)- India
- Dr. Gurjit Kaur delivered an expert lecture on “Research trends in optical communication networks” in one-week FDP-(TEQIP-III) on “Emerging Trends in Antenna Design and Communication Technologies”-ETADCT (2018), from 16th to 20th JULY, 2018 at GCET- campus-ONE
- Dr. Gurjit Kaur delivered a lecture on Research trends in optical communication systems & photonics for armed forces applications at Indian Air Force
- Dr. N. Jayanthi was expert for preparation committee, UPSC, New Delhi.
- Prof. Rajeshwari Pandey, ISTE Life Member FDP, STTP, Symposia etc.
- Prof. Rajeshwari Pandey, IETE Life Member FDP, STTP, Expert lectures, etc.
- Prof. Dinesh Kumar, CSI Life Member
- Prof. Dinesh Kumar, ISTE Life Member
- Dr. Alok Kumar Singh, IEEE, USA Professional in IEEE Conference, Symposia etc.
- Dr. Deva Nand, IEEE: Membership No. 92028016, Year – March, 2016 Annual ECE
- Dr. Deva Nand, ISTE: Membership No. LM-99435, Year-2014. Life Time ECE
- Dr. Deva Nand, IAENG: Membership No.177536, Year – October, 2016 Life Time ECE
- Dr. N. Jayanthi, IEEE Member
- Dr. N. Jayanthi, IUPRAI Life Member

Important Professional Affiliations

- Prof. S. Indu, IEEE, USA (80364919) Senior Member in IEEE Conference, Symposia etc.
- Prof. S. Indu, ISTE (LM 31640) Life Member Conference, Symposia etc.
- Prof. S. Indu, IETE (M150488) Life Member Conference, Symposia etc.
- Prof. S. Indu, IUPRAI (L046) Life Member Conference, Symposia etc.
- Prof. Rajeshwari Pandey, IEEE Senior Member in IEEE Conference, Symposia etc.

Teachers Receiving awards from Govt. Recognised Bodies

- Prof. Rajiv Kapoor was awarded Research Excellence Award on 19th March, 2019.
- Prof. Neeta Pandey was awarded Research Excellence Award on 19th March, 2019.
- Dr. Priyanka Jain was awarded Commendable Research Excellence Award on 19th March, 2019. Incentives of ₹16,000/- given by the HEI
- Dr. Deva Nand was awarded Research Excellence Award on 19th March, 2019.
- Dr. Poornima Mittal was awarded Research Excellence Award on 19th March, 2019.

Students provided with financial support to attend Conferences, Seminars, etc.

- Lokesh Mahor received ₹5,000/- to attend ICSPVCE-2019 organized by ECE Department, Delhi Technological University

Students pursuing Higher Education

- Shrey Mathur, Arizona State University
- Parth Khatter, California Institute of Technology
- Shubhangi Upasani, Georgia Institute of Technology
- Vidisha Goyal, Georgia Institute of Technology
- Srishti Sardana, Georgia Institute of Technology
- Akash Kumar, Georgia Tech
- Himanshu Meena, HEC Paris
- Aditi Chandak, IIM Bangalore
- Bhimanshu Kairon, IIM Indore
- Pran Swarup Borah, IIM Lucknow
- Rahul Krishna, Kings College London
- Shivansh Rao, Pennsylvania State University
- Amanveer Singh Jaggi, University of Colorado Boulder, University of Texas, Dallas
- Pratyush Prakhar, University of Southern California
- Noel Nebu Panicker, Carnegie Mellon University

Recognition of the department with UGC-SAP, CAS, DST-FIST, DBT, ICSSR and other similar recognitions by government agency

- ₹50,00,000/- was awarded to the department for Real Time Infrared Image Enhancement for Vehicle Classification (TBRL/PCD/DTU-CARS/2015/08) by DRDO-TBRL in 2015 for 3 Years (extended for one more year)
- ₹40,00,000/- was awarded to the department for Design of Ultrasonic Pattern Generator and 3-D View generation using Fusion for RCT (Sponsored Research Project) by DST in 2018 for 3 Years
- ₹25,90,000/- was awarded to the department for Development of frame work for imaging, restoring and archiving inscription and manuscript (Sponsored Research Project) by DST in 2019 for 3 Years

Students' Achievements

- Mr. Manmeet, won an International level Cultural Award

Professional development, Conferences, Seminars, administrative training Programmes organized by the department for teaching and non-teaching staff

- Internet of Things (No. of participants 80), Organized by Dr. Poornima Mittal and Dr. Gurjit Kaur and Sponsoring agency IEEE Delhi Section
- 5G Wireless Communication (No. of participants 50), Organized by Mr. Anurag Chauhan, Mr. Piyush Tewari and Sponsoring agency DTU

- SDP on Electronic Design Automation and Documentation Tools (No. of participants 95), Organized by Dr. N. Jayanthi, Sponsored by DTU

Functional MoUs with institutions of national, international importance, etc.

- MoU was signed with Lithion Power Limited (Industry) in 2017 for 3 Years with activities including Research Collaboration, Joint Projects, Student Internships. 4 Number of Students, Teachers participated under the MoU.

- MoU was signed with CEERI Pilani (Research Laboratory) in 2017 for 3 Years with activities including Students Internships. 5 Number of Students, Teachers participated under the MoU.
- MoU was signed with NXP Semiconductor (Industry) in 2018 for 3 Years with activities including Student Enrolment for M. Tech. 5 Number of Students, Teachers participated under the MoU.



4.10 Department of Electrical Engineering

52
Journal
Publications

57
Conference
Publications

2
Book
Chapter

Faculty
38

ACADEMIC PROGRAMMES

- B. Tech. (Electrical Engineering)
Intake: 242
Students Admitted: 242
- B. Tech. (Evening) Electrical Engineering
Intake: 60
Students Admitted: 54
- M. Tech. (Control & Instrumentation)
Intake: 25
Students Admitted: 18
- M. Tech. (Power System)
Intake: 25
Students Admitted: 19
- Ph.D. Research Scholar: 28

LABORATORIES

The department has 15 Well-Equipped laboratories which include Basic Electrical Engineering Lab, Electrical Workshop, Junior Machines Lab, Senior Machines Lab, Measurements Lab, Instrumentation Lab, Electrical Utilisation Lab, Power Electronics Lab, Control System Lab, Power System Lab, Drives SCADA-Project Lab, Power Quality Lab, Power Electronic Drives-Simulation Lab, Micro grid lab, IOT & Embedded System Lab and Advanced Control System Lab.

SALIENT FEATURES

The Department of Electrical Engineering of Delhi Technological University is one among the first major departments to be established in 1941. The year 2016 marks the 75th year of Excellence (Platinum Jubilee) for both the University and the department in academics, research and innovation. The overall goal of the department is to provide quality education at undergraduate and postgraduate levels and undertake cutting edge research in several new areas of Electrical Engineering.

Faculty members of the department have been regularly contributing towards International and National Journals of repute like IEEE Transactions and IEEE Proceedings, IET, Journals in Electrical Engineering from Elsevier, etc. along with Proceedings of National and International Conferences.

The department has the distinction of organizing eight MHRD sponsored GIAN courses with International faculty and experts from Virginia Tech, USA; University of Victoria, Canada; Texas A&M University, Texas, USA; Technical University of Crete, Greece; BC Hydro Canada; College of Engineering, Michigan State University, USA. The students are motivated for technical and creative activities besides classroom teaching and laboratory exercise through technical fests like TROIKA; RENAISSANCE organized under the IEEE student chapter and IET student chapter.



ACADEMIC STAFF

Professors: 17

- Prof. Uma Nangia, B.E., M.E., Ph.D, Area of Intrest is Power Systems
- Prof. Madhusudan Singh, B.Sc. (Engg.), ME (Hons), Ph.D., Area of Intrest is Control & Instrumentation
- Prof. Narendra Kumar (I), B.Sc. (Engg.) M.Sc(Engg.), Ph.D., Area of Intrest is Power Systems and Drives
- Prof. Vishal Verma, M. Tech., Ph.D., Area of Intrest is Power Electronics
- Prof. Pragati Kumar, M. Tech., Ph.D., Area of Intrest is Control & Instrumentation
- Prof. Narendra Kumar (II), BE, ME, Ph.D., Area of Intrest is Instrumentation, Control & Power Electronics Applications
- Prof. Bharat Bhushan, B.E., M.E., Ph.D, Area of Intrest is Control & Instrumentation
- Prof. Rachna Garg, M. Tech., Ph.D., Area of Intrest are Power system operation and control, renewable energy systems, artificial intelligent techniques, smart grid
- Prof. Suman Bhowmick, BEE (Hons.) MEE, Ph.D., Area of Intrest is Power Systems, FACTS, VSC-HVDC
- Prof. S.T Nagarajan, B.E., M.E., Ph.D., Area of Intrest is High Voltage Engineering & Power System
- Prof. Alka Singh, B.E., M. Tech., Ph.D. Area of Intrest is Power Systems
- Prof. Dheeraj Joshi, BE, ME, Ph.D., Area of Intrest is Power Electronics, Electric Drives, Renewable Energy Systems
- Prof. Mukhtiar Singh, B. Tech., M. Tech., Ph.D., Area of Intrest is Power Electronics and Drives
- Prof. M. M. Tripathi, B. Tech, Ph.D., Area of Intrest are Restructured power systems, Artificial Intelligence (AI) application to load & price forecasting, Integration of renewable energy sources in electricity markets, Smart Grid, Embedded Systems

- Prof. J.N. Rai M. Tech. Ph.D., Area of Interest is Power Systems
- Prof. Priya Mahajan, ME, Ph.D., Area of Interest is Railway Electric Traction System, Power System, Electrical Machines
- Prof. D.R. Bhaskar, B. Tech., M. Tech., Ph.D, (on diverted capacity) Bipolar and MOS Analog Intergrated Circuits

Associate Professors: 08

- Mr. N.K Bhagat, B.Sc.(Engg.), M. Tech., Area of Interest is Control Systems
- Dr. Sudarshan K Valluru, B. Tech.(E&EE), M. Tech.(CAID), Ph.D, Area of Interest are Artificial Intelligence, Bio-Inspired Algorithms, Control of Dynamical systems, Bifurcation Analysis, Electrical Machines
- Mr. Ram Bhagat, B. Tech., M.E, Area of Interest is Control & Instrumentation
- Dr. Mini Sreejeth, M.E. Ph.D., Area of Interest is Electrical Machines
- Mr. D.C. Meena, B. Tech., M. Tech., Area of Interest is Power Systems
- Dr. M. Rizwan, B. Tech., M. Tech., PhD., Area of Interest is Power System
- Dr. Vinod Kumar Yadav, B.Tech., M.Tech., Ph.D., Area of Interest is Power Systems
- Mr. R.L. Meena, BE., M. Tech., Area of Interest is Power Quality

Emeritus Professors: 02

- Prof. N.K. Jain, B.Sc. (Engg.), M.Sc. (Engg), PhD., Area of Interest is Power Systems
- Prof. R.S. Saha, B.E., M.E, Ph.D., Area of Interest is HVDC & Power System

Assistant Professors: 11

- Mr. A. B. Bhattacharya, B. Tech., M. Tech., Area of Interest is Power Systems
- Mrs. Bhavnesht Jain, B.E., M.E., Area of Interest is Electrical Engg
- Mr. Prem Prakash, B.E., M. Tech., Area of Interest is Engg Systems
- Mr. A.R. Kulkarni, B.E., M.E, Area of Interest is Control System Intelligent Transportation Systems, Microcontrollers & Embedded Systems, Robotics
- Mrs. Garima, B.E., M. Tech., Area of Interest is Analog, VLSI
- Mr. Sikandar Ali Khan, B. Tech., M. Tech. Area of Interest is Electrical Machines, Electrical Drives, Power System
- Mr. Kuldeep Singh, B. Tech., M. Tech. Area of Interest is Power Systems
- Ms. Ankita Arora, B. Tech., M. Tech., Area of Interest is Renewable Energy Sources, Power Electronics, Electrical Machines, Artificial Intelligence Techniques, Control Systems
- Dr. Anup Kumar Mandpura, B. Tech., M.Tech., Ph.D, Area of Interest is Cooperative Communication Systems
- Mr. Himanshu Singh, B.E., M. Tech., Area of Interest is Power Electronics, Electrical Machines, Electrical Drives, Control System
- Mr. Saurabh Mishra, B.E., M. Tech., Area of Interest is Electrical Drives



Patents filed/published/awarded

- Delhi Technological University filed the patent for “A device for synchronizing sound control lights, system and method thereof”, Patent Number: 201911027954, invented by Dr. M. M. Tripathi, A Verma, A Anand, A Agarwal

Teachers provided with financial support to attend Conferences, Seminars, etc.

- Prof. M. M. Tripathi was given financial support of ₹161286.00 for presenting paper in the International Symposium on Forecasting, organized by International Institute of Forecasters, USA at Greece during 16th to 19th June, 2019.
- Dr. Mini Sreejeth was given support of ₹12,800/- For 2 papers in Second IEEE, ICPEICES 2018 held at DTU
- Prof. Alka Singh was given financial support to attend ICPEICES, DTU
- Prof. V. Verma was given financial support from DST to present a paper at 13th IEEE International Conference on Industry Applications (INDUSCON), São Paulo, Brazil, 2018

Participation in Professional Development Programmes by our Faculties

- Dr. Mini Sreejeth attended One Week STTP on “Electric Transportation” organized by Department of Electrical Engineering, DTU from 20th to 24th August, 2018
- Dr. Mini Sreejeth attended Govt. of India sponsored GIAN Course on “Resilient Power Grid Operation using Synchrophosor Technology: A Smart Grid Operation Perspective” organized by Department of Electrical Engineering, DTU from 17th to 21st December, 2018

- Dr. Mini Sreejeth delivered Expert Lecture on “Activity Based Learning of Electrical Machines” Department of Electrical Engineering, DTU on 5th and 7th September, 2018
- Dr. Mukhtiyar Singh participated in residential training programme on “Project management and financial management” by National Productivity Council (NPC) at Leh-Ladakh during 22nd to 26th July, 2019.
- Dr. Mukhtiyar Singh participated in International workshop on “Energy, Power and Environment (IWEPE-2019)” at NIT Kurukshetra in March-2019

Faculty visit to other institutions for taking Experts’ Lectures and other academic works

- Prof. M. M. Tripathi visited Ministry of New & Renewable Energy, Govt. of India as an expert member of the committee to grant and review the progress of project on Solar and Wind Energy Research.
- Prof. M. M. Tripathi visited Ministry of Electronics & Information Technology, Govt. of India as an expert member of the committee to review the project given to NIT Jalandhar on Embedded systems.
- Key note speaker at 2nd International conference on Sustainable technologies for environmental management, STEM 2019, 25th March, 2019
- Prof. V. Verma visited NIT Silchar - To give expert lecture
- Prof. V. Verma visited IIT, BHU – To give expert lecture
- Dr. Mini Sreejeth delivered Expert Lecture on “Activity Based Learning of Electrical Machines” Department of Electrical Engineering, DTU on 5th and 7th September, 2018

Important Professional Affiliations

- Prof. Uma Nangia is a Member of Institute of Electrical and Electronics Engineers
- Prof. Madhusudan Singh is a Member of Institute of Electrical and Electronics Engineers
- Prof. Narendra Kumar (I) is a Member of Institute of Electrical and Electronics Engineers and Indian Society for Technical Education
- Prof. N.K. Jain is a Member of Institute of Electrical and Electronics Engineers
- Prof. Vishal Verma is a Member of Institute of Electrical and Electronics Engineers, Power and Energy Society and Power Electronics Society
- Prof. Pragati Kumar is a Member of Institute of Electrical and Electronics Engineers
- Prof. Narendra Kumar (II) is a Member of Institute of Electrical and Electronics Engineers
- Prof. Bharat Bhushan is a Member of Institute of Electrical and Electronics Engineers
- Prof. Rachna Garg is a Member of Institute of Electrical and Electronics Engineers
- Prof. Suman Bhowmick is a Member of Institute of Electrical and Electronics Engineers
- Prof. S.T. Nagarajan is a Member of Institute of Electrical and Electronics Engineers
- Prof. Alka Singh is a Member of Institute of Electrical and Electronics Engineers
- Prof. Dheeraj Joshi is a Member of Institute of Electrical and Electronics Engineers
- Prof. Mukhtiar Singh is a Member of Institute of Electrical and Electronics Engineers
- Prof. M. M. Tripathi is Senior Member of Institution of Electrical and Electronics Engineers (IEEE), USA
- Prof. M. M. Tripathi is Life member of Plasma Science Society of India (PSI), India
- Prof. M. M. Tripathi is Member of Institution of Electronics & Telecommunication Engineers (IETE), India
- Prof. M. M. Tripathi is Member of International Institute of Forecasters (IIF), USA
- Prof. M. M. Tripathi is Life Member of Vijnana Bharati, India
- Prof. J.N. Rai is a Member of Institute of Electrical and Electronics Engineers
- Prof. Priya Mahajan is a Member of Institute of Electrical and Electronics Engineers
- Prof. R.S. Saha is a Member of Institute of Electrical and Electronics Engineers
- Prof. D.R. Bhaskar is a Member of Institute of Electrical and Electronics Engineers
- Mr. N.K. Bhagat is a Member of Institute of Electrical and Electronics Engineers
- Dr. Sudarshan K. Valluru is a Member of Institute of Electrical and Electronics Engineers
- Mr. Ram Bhagat is a Member of Institute of Electrical and Electronics Engineers
- Dr. Mini Sreejith is a Member of Institute of Electrical and Electronics Engineers
- Mr. D.C. Meena is a Member of Institute of Electrical and Electronics Engineers
- Dr. M. Rizwan is a Member of Institute of Electrical and Electronics Engineers

- Dr. Vinod Kumar Yadav is a Member of Institute of Electrical and Electronics Engineers
- Mr. R.L. Meena is a Member of Institute of Electrical and Electronics Engineers
- Mr. A.B.K. Bhattacharya is a Member of Institute of Electrical and Electronics Engineers
- Mr. Prem Prakash is a Member of Institute of Electrical and Electronics Engineers
- Mrs. Bhavnesh Jaint is a Member of Institute of Electrical and Electronics Engineers
- Mr. A.R. Kulkarni is a Member of Institute of Electrical and Electronics Engineers
- Mrs. Garima is a Member of Institute of Electrical and Electronics Engineers
- Sh. Sikandar Ali Khan is a Member of Institute of Electrical and Electronics Engineers
- Ms. Ankita Arora is a Member of Institute of Electrical and Electronics Engineers
- Dr. Anup Kumar Mandpura is a Member of Institute of Electrical and Electronics Engineers

Programmes where Syllabus Revision was carried out

- Major Revision (80%) was introduced in the Year 2019 in the course of M. Tech. (Power Systems)
- Major Revision (80%) was introduced in the Year 2019 in the course of M. Tech. (Control & Instrumentation)

Teachers/Staff/Students receiving awards, recognition from Government recognised bodies

- Prof. M. M. Tripathi received Commendable Research Award DTU 2019
- Dr. Mukhtiar Singh, Professor, received Research Excellence Award DTU, 2019
- Dr. Alka Singh, Professor, received Research Excellence Award DTU, 2019
- Dr. V. Verma, Professor, received Research Excellence Award DTU, 2019
- Dr. M. Rizwan, Associate Professor, received Research Excellence Award DTU, 2019
- Mr. Ashutosh Trivedi, Ph.D. Scholar, received Research Excellence Award DTU
- Mr. Ajay Kumar Ph.D. Scholar, received Research Excellence Award DTU
- Mr. Amritesh Ph.D. Scholar, received Research Excellence Award DTU
- Mr. Imran Ahmad Quadri Ph.D. Scholar, received Research Excellence Award DTU
- Ms. Neelu Nagpal Ph.D. Scholar, received Research Excellence Award DTU
- Ms. Nikita Gupta Ph.D. Scholar, received Research Excellence Award DTU
- Mr. Prakash Chittora Ph.D. Scholar, received Research Excellence Award DTU
- Ms. Priyanka Chaudhary Ph.D. Scholar, received Research Excellence Award DTU
- Ms. Shagufta Khan Ph.D. Scholar, received Research Excellence Award DTU

Grants for Research Projects sponsored by Govt. Sources

- Dr. Alka Singh received ₹68,00,000/- for Design, Development and Testing of Control and Synchronization of Power Electronics based Converters with Renewable Energy sources by SERB, DST, on 7th April, 2017 for a period of 3 years
- PI-Dr. Hitesh Dutt Mathur, Co PI- Dr. Dheeraj Joshi, received ₹16,83,100/- for IOT Based Energy Management System of Microgrid with Vehicle to Grid Feature by DST on 26th February, 2019
- PI- Dr. M. Rizwan received ₹31,06,455 for Smart Dynamic energy management for built environment with integrated renewable energy by SERB, DST on 27th March, 2019 for a period of 3 years
- Prof. V. Verma received ₹22,53,600/- for Demonstration of grid supportive EV charger and charging infrastructure at LT level (D-EVCI) by DST on 12th June, 2018 for a period of 3 years
- Prof. V. Verma received ₹1,63,00,000/- for Design and Demonstration of off-grid self healing and sustainable DC community energy solutions by DST for a period of 3 years
- Prof. V. Verma received ₹36,63,000/- for Design and development of Bio-mass Solar Electricity and cooling solutions for rural India by DST on 12th July, 2018 for a period of 2 years

Grants for Research Projects sponsored by Non-Govt. Sources

- The department got fundings from the Funding Agencies HBSS and ONYXX for Projects

Students provided with Financial Support to attend Conferences, Seminars, etc.

- Ms. Manpreet Kaur received ₹5000/- to attend ICPEICES 2018 organized by Delhi Technological University
- Mr. Ayush Bansal received ₹5000/- to attend ICECE, Odisha
- Mr. Priyesh Pandey received ₹5500/- to attend ICSPVCE 2019, organized by Delhi Technological University
- Mr. Ayush Mishra received ₹5500/- to attend ICSPVCE 2019, organized by Delhi Technological University.
- Mr. Mayank Dhillon received ₹5000/- to attend ICSPVCE 2019, organized by Delhi Technological University
- Mr. Prashant Singh received ₹5000/- to attend ICSPVCE 2019, organized by Delhi Technological University
- Mr. Rohit Saini received ₹5000/- to attend ICSPVCE 2019, organized by Delhi Technological University
- Mr. Sarthak Singh received ₹5000/- to attend ICSPVCE 2019, organized by Delhi Technological University

Professional Development Programmes organized by the Department

- Prof. Narendra Kumar-I organized 2nd IEEE International Conference On Power Electronics, Intelligent Control and Energy Systems on 24th October, 2018, sponsored by IEEE
- Prof. S.T. Nagarajan organized a program on Resilient Power Grid Operation using Synchrophosor Technology: A Smart Grid Operation Perspective on 17th to 21st December, 2018 sponsored by GIAN

Revenue generated from consultancy

Name of the consultant	Name of consultancy project	Total Grant (Rs.)	Consulting/ Sponsoring agency with contact details	Year of grant	Revenue generated (INR in Lakhs)
Prof. Madhusudan Singh A.B Bhattacharaya	“Additional classrooms in Existing Govt School in North, North West South South West Delhi (Priority 2)	17 Lakhs	PWD, Delhi	2018	Nil
Prof. Uma Nangia A.B Bhattacharya	“Supply Installation Testing of CAMP , CCTV in Delhi”	15.60 lakhs	CPWD Delhi	2019	Nil
	“Dig and Restore work of Underground Cable work	15 Lacs (approx.)	BSES Delhi	Dec 2018	



4.11 Department of Environmental Engineering

22
Journal
Publications

27
Conference
Publications

1
Book
Chapter

Faculty
7

ACADEMIC PROGRAMMES

- B. Tech. (Environmental Engineering)
Intake: 62
Students Admitted: 68
- M. Tech. (Environmental Engineering)
Intake: 25
Students Admitted: 19
- Ph.D. Research Scholars: 9

LABORATORIES

Department has well-established laboratories in the areas of Water and Waste Water Testing, Microbiology and Bio-remediation, Air Pollution and Control, Waste Management & Simulations of Environmental Engineering.

SALIENT FEATURES

The Department of Environmental Engineering was created in February-2012. The Department at present is offering B.Tech., M.Tech. and Ph.D programs. The Department provides opportunity to working engineers for their academic up-gradation by offering part-time PG course. Department is actively involved in Research and Development.



ACADEMIC STAFF

Professors: 02

- Prof. S. K. Singh (HOD), B.E., M. Tech., Ph. D., FIE, FICS, FIEE, FIWRS, FIGS, FIAH, FIIBE, FIGV, FIOD, Area of Interest are Solid waste processing, Wastewater treatment designs, Water treatment designs, Water quality modeling, Solar detoxification, EIA & Auditing
- Dr. Ashok Kumar Gupta, B.Sc., B. Tech. (Hons), M. Tech., Ph.D., Areas of Interest are Geoenvironmental Engineering, Ground Improvement Techniques, Stability of Tunnels, Settlement of Foundations

Associate Professors: 01

- Dr. Anil Kumar Haritash, M.Sc., M. Tech., Ph.D., Areas of Interest are PAHs, Water Quality Assessment, Environmental Microbiology, Bioremediation, Constructed Wetlands

Assistant Professors: 04

- Mrs. Geeta Singh, B. Tech., M. Tech., Area of Interest are Water and Wastewater Engineering, Hydrology, Water Resources Groundwater Engg, Environmental Hydraulics
- Mrs. Lovleen Gupta, B.E., M.S. (Lehigh University, USA), Area of Interest are Source apportionment of air pollutants, Human Health Risk Assessment, Water and wastewater treatment, GHG emissions, Environmental Impact Assessment and Site Assessment.
- Dr. Rajeev Kumar Mishra, M.Sc., M. Tech., Ph.D., Area of Interest are Environmental implications of urban transport systems, Urban air pollution analysis & modeling, Traffic noise pollution modeling, Acoustics & barrier designing
- Mr. Gour Anunay Ashokkumar, B.E., M.E., Ph.D. (Pursuing), AMIE Environmental Engineering, Area of Interest are Water & Wastewater Engineering, Air Pollution, Industrial Waste Management, Environmental Impact Assessment, System Simulation & Modelling

Achievements of Department

- The department is actively engaged in providing technical support to NGT for cleaning River Yamuna.
- It also provides technical support to various institutions such as The Institution of Engineers (India), International Development Centre Foundation (IDC Foundation), Green Institute for Research and Development (GIRD)
- Department undertakes performance audits of all the STPs setup by DJB in Delhi.
- It is also inspecting upcoming / under construction STPs in Delhi

Faculty visit to other institutions for taking Experts' Lectures and other academic works

- Dr. Rajeev Kumar Mishra visited IMS Engineering College, Dasna, Haryana, to deliver a lecture on Noise Pollution and Associated Health Risks in Urban Cities
- Mr. Gour Anunay Ashokkumar visited CBP Government Engineering College, Jaffarpur, Delhi to conduct a Short-Term Course on AUTOCAD

Important Professional Affiliations

- Mrs. Lovleen Gupta, Member, American Association of Environmental Engineering and Science Professors (AEESP)
- Mrs. Lovleen Gupta, Member, American Association of Aerosol Research (AAAR)
- Mrs. Lovleen Gupta, Member, Institution of Engineers, India. (IoE)

Teachers provided with financial support to attend Conferences Seminars, etc.

- Dr. Rajeev Kumar Mishra received approximately ₹1,50,000/- for attending 48th International Congress and Exhibition on Noise Control Engineering (Inter-Noise – 2019) organized by Spanish Acoustical Society –SEA and International Institute of Noise Control Engineering (INCE), Madrid, Spain

Grants for Research Projects sponsored by the non-government Sources

- Dr. Rajeev Kumar Mishra was granted a fund of ₹79,92,960/- by CPCB for project of duration of 4 months.

Participation in Professional Development Programmes by our Faculties

- Prof. S.K. Singh attended 34th National Convention of Environmental Engineers and National Seminar on Theme: Environmental Pollution and Climate Change, organized by IEI, DSC
- Prof. S.K. Singh attended Two Weeks GIAN Course on Systems Thinking for Enhanced Water Security in Urban India, organized by DTU, Delhi
- Prof. S.K. Singh attended Workshop on Tackling the Challenges of Urban Air Pollution - Linking Research and Policy for Air Quality Improvement, Organized by University of Birmingham & Indian Institute of Technology, Delhi
- Prof. S.K. Singh attended Workshop on Environmental Assessment and Agricultural Decision Making in the Ganges Basin Organized by TERI, Delhi.

- Prof. S. K. Singh attended Curtain Raiser Event on Powering India through Innovation and Technology in Railways Organized by IEI, DSC
- Prof. S.K. Singh attended National Seminar on Fire Safety in Oil & Gas Industry Organized by FSAI, Delhi
- Mrs. Geeta Singh attended TEQIP-III Sponsored One Week Faculty Development Programme on Earthquake Resistant Design of Structures Organized by Delhi Technological University, Delhi
- Mrs. Geeta Singh attended TEQIP-III Sponsored 2nd International Conference on Sustainable Technologies for Environmental Management Organized by Delhi Technological University, Delhi
- Dr. Rajeev Kumar Mishra attended TEQIP-III Sponsored 2nd International Conference on Sustainable Technologies for Environmental Management Organized by Delhi Technological University, Delhi
- Dr. Rajeev Kumar Mishra attended One-week FDP on Advanced Pedagogy, IPR, Sponsored Research & Entrepreneurship Organized by Delhi Technological University, Delhi & Engineering Staff College of India
- Sh Gour Anunay Ashokkumar attended 34th National Convention of Environmental Engineers and National Seminar on Theme: Environmental Pollution and Climate Change Organized by IEI, DSC
- Sh Gour Anunay Ashokkumar attended Two-Week GIAN Course on Systems Thinking for Enhanced Water Security in Urban India. Organized by DTU, Delhi
- Sh Gour Anunay Ashokkumar attended Workshop on Tackling the Challenges of Urban Air Pollution - Linking Research and Policy for Air Quality Improvement Organized by University of Birmingham & Indian Institute of Technology, Delhi
- Sh Gour Anunay Ashokkumar attended Stakeholder Consultation Workshop on Environmental Decision Making in the Ganges Basin Organized by TERI, Delhi
- Sh Gour Anunay Ashokkumar attended TEQIP-III Sponsored 2nd International Conference on Sustainable Technologies for Environmental Management Organized by Delhi Technological University, Delhi
- Sh Gour Anunay Ashokkumar attended TEQIP-III Sponsored One Week Faculty Development Programme on Earthquake Resistant Design of Structures, organized by Delhi Technological University, Delhi

Professional Development Programmes, Conferences, Seminars, etc organized by the department

- GIAN course on Systems Thinking for Enhanced Water Security in Urban India, sponsored by MHRD was organized by Prof. S.K. Singh, and Dr. A.K. Haritash
- 34th National Convention of Environmental Engineers & National Seminar on Environmental Pollution and Climate Change, sponsored by The Institution of Engineers (India), Delhi State Centre was organized by Prof. S.K. Singh, Dr. A.K. Haritash, and Sh Anunay Gour
- Prof. S.K. Singh organised TEQIP-III Sponsored 2nd International Conference on Sustainable Technologies for Environmental Management, organized by Delhi Technological University, Delhi

- Dr. Anil Kumar Haritash organised TEQIP-III Sponsored 2nd International Conference on Sustainable Technologies For Environmental Management, organized by DTU, Delhi

Linkages with institutions/ industries for internship, on-the-job training, project work, sharing of research facilities etc.

- The linkage for Technical Support “Clean Yamuna” with National Green Tribunal (NGT) commenced from 2018 with the Department of Environmental Engineering.

Programmes where syllabus revision was carried out during the current year

- A minor revision (20%) was done in the syllabus of the B. Tech. course in Environmental Engineering.
- A major revision (90%) was done in the syllabus of the M. Tech. course in Environmental Engineering.



4.12 Department of Humanities

18
Journal
Publications

14
Conference
Publications

4
Book
Chapters

Faculty
5

ACADEMIC PROGRAMMES

- Ph.D. Research Scholars: 12

SALIENT FEATURES

The Department of Humanities was established in the year 1941 with a view to imparting necessary soft skills to the graduating engineering students. Initially courses in English, Economics and Accountancy were taught to the students. With the growing need of new courses like Econometrics, Gender and Technology and timely revision of syllabi of subjects like Engineering Economics and Communication Skills, a crossover between technical and non-technical aspects of learning is facilitated. The main objective is to give the students a comprehensive idea of the competition and the emerging work cultures to make them confident and market ready. To sensitize students towards technological need of the poor and deprived for inclusive growth, B. Tech. students of all the branches are compulsorily asked to visit slum and prepare an assignment on the problems of slum so that the knowledge of their branch of engineering can be used to improve life at slum.

In the current scenario, we need engineers who can develop technologies that are sustainable, user friendly, effective and adaptable with respect to changing social and cultural realities. The Humanities Department is, therefore, actively engaged in the process of research work, courses and finishing lectures which are organized throughout the year for the benefit of students and teachers alike.



ACADEMIC STAFF

Professors: 01

- Dr. Seema Singh, Ph.D., Area of Interest is Economics

Assistant Professors: 01

- Ms. Parinita Sinha, M.A., M.Phil., Area of interest is English

Associate Professors: 03

- Dr. Nand Kumar (HOD), Ph.D., Area of interest is Economics
- Ms. Saroj Bala, M.A., M.Phil., Area of interest is English
- Dr. Rajiv Ranjan Dwivedi, Ph.D., Area of Interest is English

Achievements of the department

- One Week Workshop on R and Econometric Tools, 5th to 9th March, 2019 at DTU

Teachers provided with financial support to attend Conferences, Seminars, etc.

- Dr. Seema Singh received support by DTU to attend Challenges and Opportunities before Women Engineers

under Fourth Industrial Revolution: An Inquiry with special reference to SAARC region, organized by INWES APNN conference at Hanoi, Vietnam

- Dr. Rajiv Ranjan Dwivedi received PFD from DTU to attend and present paper in an international conference held at Harvard Faculty Club, Harvard University, USA. The paper presented is titled “Language learning through literature: A perspective on pedagogic shift”

Faculties attending Professional Development Programmes

- Dr. Nand Kumar (General Chair), Prof. Seema Singh (Coordinator), Ms. Saroj Bala (Coordinator) and Dr. Rajiv Ranjan Dwivedi (Coordinator) Attended workshop on R and Econometric Tools organized by Department of Humanities
- Dr. Rajiv Ranjan Dwivedi attended FDP on Advanced Pedagogy, organized by IPR Cell, DTU
- Ms. Saroj Bala attended Effective lecture through PPT organised by HRDC, DTU
- Ms. Saroj Bala attended Sensitisation of university Administration: Gender, Disability and social Inclusion, organized by Equal Opportunity Cell

Faculty visit to other institutions for taking Expert's lecture or other Academic works

- Dr. Seema Singh delivered a Guest Lecture at Faculty of Development Economics, VNU University of Economics and Business, Hanoi, Vietnam for Fourth Industrial Revolution and gender issue: Case of India
- Ms. Saroj Bala visited Shaheed Mangal Singh Pandey Govt. Girls PG College, Meerut to delivered Expert Lecture
- Ms. Saroj Bala visited Kasturba Institute of Technology, Delhi to delivered Expert Lecture
- Ms. Saroj Bala visited ABIT, Delhi to delivered Expert Lecture
- Ms. Saroj Bala visited ABIT, Delhi to delivered Expert Lecture
- Dr. Rajiv Ranjan Dwivedi visited Maharaja Agrasen Institute of Technology, GGS IP University, Delhi to delivered Expert

Lecture on Communication Skills: Language, Paralanguage, Rhetoric and Phonetics

- Dr. Rajiv Ranjan visited Consortium for Educational Communication, University Grant Commission, Delhi to delivered Expert Lecture on Hindi Cinema down the Ages: An Introduction

Important Professional Affiliations

- Dr. Seema Singh, Vice-President (Education & Research), International Network of Women Engineers & Scientist (INWES)
- Dr. Seema Singh, Joint Secretary of the Indian Society of Labour Economics
- Dr. Seema Singh, Advisor (Education), Guidepoint Global Network,
- Dr. Seema Singh, Hon. Vice President-1 and Convener, Programmes of the University Women's Association of Delhi
- Dr. Seema Singh, Hon. Vice President of WISE-India and running a programme, "Tablet for Kids" (T4K)
- Ms. Saroj Bala Lifetime member, TEFL Asia
- Dr. Rajiv Ranjan Dwivedi, Annual Member, PEN America
- Dr. Rajiv Ranjan Dwivedi, Annual Member Postcolonial Studies Association, U.K.(PSA)
- Dr. Rajiv Ranjan Dwivedi, Life Member Comparative Literature Association of India (CLAI)
- Dr. Rajiv Ranjan Dwivedi, Life Member, The Association for English Studies of India (AESI)

Grants for Research Projects sponsored by Non Govt Sources

- Dr. Seema Singh (International Co-Investigator) was awarded by Scottish Funding Council-The Global Challenge Research Fund

Collaborative Activities for Research, Faculty Exchange, Students Exchange, etc

- 'Building Research Collaboration with India and Kyrgyzstan to explore the role of universities in developing skills for smart cities' in collaboration with faculties of Glasgow university, UK, International Univ. of Kyrgyzstan & the American Univ. of Central Asia, Bishkek, Kyrgyzstan was started in 2018, financially supported by Glasgow University. Dr. Seema Singh was a participant in the activity.

Professional Programmes, Seminars, etc organized by the Department

- A Workshop on R And Econometric Tools was organized from 5/3/2019 to 9/3/2019 by the Department of Humanities sponsored by DTU which had 80 participants.

Teachers Awarded International Fellowship for Advanced Studies/ Research

- Dr. Seema Singh was awarded by Scottish Funding Council-The Global Challenge Research Fund in 2018



4.13 Department of Information Technology

21
Journal
Publications

39
Conference
Publications

Faculty
7

ACADEMIC PROGRAMMES

- B. Tech. (Information Technology)
Intake: 122
Students Admitted: 121
- M. Tech. (Information System)
Intake: 25
Students Admitted: 13
- Ph.D. Research Scholars: 9

LABORATORIES

Department has developed state-of-the-art laboratories in the various fields of Information Technology-Computer Networks Lab, Web Engineering Lab, Programming Lab, Information and Security Lab, Biometric Research Lab and Malware Analysis Lab.

SALIENT FEATURES

The Department of Information Technology endeavours to provide the thrill of a corporate R&D environment with a planned focus on industrially relevant projects and technology incubation. The curriculum defined, lays greater emphasis on design principles and development of system software for Operating Systems, Database management systems, Artificial Intelligence, Data Mining, computer graphics and networks. The department also has an active student chapter of Computer Society of India (CSI) and contributes significantly in professional activities undertaken by IEEE and IET student chapters.



ACADEMIC STAFF

Professors: 01

- Prof. Kapil Sharma (HOD), B.E., M. Tech., Ph.D., Areas of Interest are Software Engineering, Optimization, Soft Computing Techniques

Associate Professors: 02

- Dr. Dinesh Vishwakarma, B. Tech., M. Tech., Ph.D., Areas of Interest are Computer Vision, Human-Computer Interaction, Human Pose and Gesture Analysis, Machine Learning, Image Quality Improvement, Artificial Intelligence
- Dr. Seba Susan, B. Tech., M. Tech., Ph.D., Areas of Interest are Computer Vision, Machine Learning, Data Mining, Pattern Recognition, Image Processing, Fuzzy-Neural Networks, Soft Computing

Assistant Professors: 04

- Ms. Ritu Agarwal, B. Tech., M. Tech., Areas of Interest are Information Security, Digital Forensics
- Ms. Anamika Chauhan, B. Tech., M. Tech., Areas of Interest are Sensor Networks, Mobile and Vehicular Ad-hoc Networks
- Ms. Priyanka Meel, B.Tech., M.Tech., Areas of Interests are Artificial Intelligence, Robotics, Optimization Algorithms, Graph Theory
- Mr. Jasraj Meena, B. Tech., M. Tech., Areas of Interests are Parallel and Distributed Computing, Cloud Computing, Workflow Scheduling

Achievements of the Department

- The Department of IT conducted two Faculty training and development programs namely MLPR (Machine Learning for Pattern Recognition) and STTP on AIML (Artificial Intelligence and Machine Learning) during the months of June and July 2019 respectively.
- The department also got three research excellence-awards for its faculty members Prof. Kapil Sharma (HOD, IT), Dr. Dinesh Vishwakarma (Assoc. Prof.), Dr. Seba Susan (Assoc. Prof.).
- Faculty and students of IT Department also presented their research work at various platforms globally.



Patents filed/published/awarded

- Department of Information Technology was granted the patent on Beam Forming method for a transmitting antenna and a device thereof (Patent Number: US20180331738A) on 01.06.2019

Teachers Provided with financial support to attend Conferences, Seminars, etc.

- Dr. Dinesh Vishwakarma received ₹12,000/- to attend One week hands on training on “Internet of Things”, organized by ESCI, Hyderabad
- Dr. Dinesh Vishwakarma received ₹1,72,000/- to attend 9th IEEE Annual Information Technology, Electronics, and Mobile Communication Conference, organized by University of British Columbia, Canada during 1st to 3rd November 2018
- Ms. Ritu Agarwal received ₹75,797/- to attend International Conference on Computer Vision and Pattern Recognition (CCVPR) 2018, organized by IASED, New Zealand
- Dr. Seba Susan received ₹1,46,075/- to attend International Conference for Artificial Intelligence and Virtual Reality (AIVR) 2019, organized by NTU, Singapore

Participation in Professional Development Programmes by our Faculties

- Dr. Seba Susan participated in IEEE International Conference ICCCA 2018, organized by Galgotias University, Noida
- Dr. Seba Susan participated in International workshop SLTU 2018: Tutorial on Building Machine Translators: Neural Machine Translation in Gurgaon
- Ms. Ritu Agarwal participated in TEQIP-III Sponsored One-week Faculty Development Programme on “Earthquake Resistant Design of Structures” organized by Department of Civil Engineering, Delhi Technological University

- Ms. Ritu Agarwal participated in TEQIP-III Sponsored International Workshop on “Networking of Technology and Education for Sustainable Development”, organized by Department of Civil Engineering, Delhi Technological University
- Ms. Ritu Agarwal participated in TEQIP-III Sponsored one-week Faculty Development Programme on “Recent Trends in Material Science and Engineering”, organized by Department of Applied Physics, Delhi Technological University
- Ms. Ritu Agarwal participated in one-week STTP on “Electrical Transportation”, organized by Department of Electrical Engineering, Delhi Technological University
- Ms. Priyanka Meel participated in One-week STTP on “Electrical Transportation” organized by Department of Electrical Engineering, Delhi Technological University
- Ms. Priyanka Meel participated in International Workshop on “Networking of Technology and Education for Sustainable Development”, organized by Delhi Technological University
- Ms. Priyanka Meel participated in Training Programme on “Enhancing Organisational Productivity through ICT”, organized in Kanyakumari
- Mr. Jasraj Meena participated in IEEE International Conference on Recent Advances in Energy-efficient Computing and Communication, organized by Department of ECE, St. Xavier’s Catholic College of engineering, Chunkankadai, Kanyakumari, Tamil Nadu
- Mr. Jasraj Meena participated in one-week FDP on “Feature Engineering on Pattern Recognition”, organized by Delhi Technological University
- Ms. Anamika Chauhan participated in TEQIP-III Sponsored One week Faculty Development Programme on “Earthquake Resistant Design of Structures”, organized by Department of Civil Engineering, Delhi Technological University
- Ms. Anamika Chauhan participated in TEQIP-III Sponsored International Workshop on “Networking of Technology and Education for Sustainable Development”, organized by Department of Civil Engineering, Delhi Technological University
- TEQIP-III Sponsored one week Faculty Development Programme on “Recent Trends in Material Science and Engineering”, organized by Department of Applied Physics, Delhi Technological University
- Ms. Anamika Chauhan participated in Professional Development Training Program on “Faculty and Administrators of Project Institutions”, organized by Indian Institute of Management, Vishakhapatnam

Faculty visit to other institutions for taking Experts’ Lectures and other academic works

- Dr. Dinesh Vishwakarma Delivered a key note talk on “Machine Learning: Trends, prospects and applications” in a Faculty Development Program on “Computational Intelligence (COIN 2019)” 21st June, 2019 at BBD University, Lucknow, U.P.
- Dr. Dinesh Vishwakarma Delivered an expert talk on “Computer Vision based intelligent solutions” in a AICTE sponsored Faculty Development

- Programme on “Robotics Mechatronics” at IIMT, G. Noida, U.P. on 26th June, 2019.
- Dr. Dinesh Vishwakarma Delivered a talk on “Smart solutions using Machine Learning” in a Symposium Information Technology at 13 BRD, Air force station, New Delhi on 13th May, 2019.
- Dr. Dinesh Vishwakarma Delivered a key note talk in an International Conference on “Latest Trends in Electronics & Communication Engineering” at IIMT, G. Noida, U.P. on 9th April, 2019.

Important Professional Affiliations

- Dr. Seba Susan, Annual Member, IEEE
- Dr. Seba Susan, Life Member, CSI
- Dr. Dinesh Vishwakarma, Annual Member, IEEE
- Dr. Dinesh Vishwakarma, Life Member, ISTE

Programmes where syllabus revision was carried out

- Minor Revision (5%) in B. Tech. (Information Technology)
- Major Revision (100%) in M. Tech. (Information System)

Details of Awards for Innovation won by the Department

Commendable Research Awards were Awarded to:

- Dr. Kapil Sharma
- Dr. Dinesh Vishwakarma
- Dr. Seba Susan

Collaborative activities for research, faculty exchange, student exchange

- FDP MLPR 2019 in collaboration with DU, IGDTUW, Industry, sponsored by TEQIP in which External Experts participated

- FDP AIML 2019 in collaboration with DU, IGDTUW, Industry, sponsored by TEQIP in which External Experts participated
- Prof. Kapil Sharma is doing collaborative research with Defence Research and Development Organisation (DRDO) & jointly supervising a Ph.D. candidate
- Prof. Kapil Sharma is doing collaborative research with Delhi University jointly supervising a Ph.D. candidate
- Prof. Kapil Sharma is doing collaborative research with Round Glass & Samsung India Electronics Pvt. Ltd. & jointly supervising a Ph.D. candidate
- Dr. Dinesh Kumar Vishwakarma is doing collaborative research with Central Research Laboratory, BEL & jointly supervising a Ph.D. candidate.

Students pursuing Higher Education

- Mudit Verma, an alumnus of B. Tech. (IT) course is pursuing M.S. from New York University
- Aparna Bhutani, an alumnus of M. Tech (ISY) . course is pursuing M.S. from New York University

Students provided with financial support to attend Conferences, Seminars, etc

- Mr. Amitesh received ₹14,666/- as TEQIP support to attend International Conference on “Artificial Intelligence and Data Engineering-2019” (AIDE-2019), organized by N.M.A.MM. Institute of Technology, Karnataka
- Mr. Sagar received TEQIP support to attend International Conference on “Signal Processing & Integrated Networks”, organized by Amity University, Noida

- Ms. Agiya Goswami received TEQIP support to attend International Conference on “Signal Processing & Integrated Networks”, organized by Amity University, Noida
- Mr. B.N. Deepankan received TEQIP support to attend International Conference on “ISMAC in Computational Vision and Bio-Engineering”, organized in Tamil Nadu
- Ms. Yamini Arora received TEQIP support to attend International Conference on “Advance Computing & Communication Systems”, organized in Coimbatore, Tamil Nadu
- Ms. Ruchi Holker received TEQIP support to attend International Conference on “Machine Learning, Image Processing, Network Security and Data Science”, organized by NIT Kurukshetra
- Mr. Pradyumna Prakhara Sinha received DTU support to attend International Conference on “Artificial Intelligence and Knowledge Engineering IEEE 2019”, organized in Cagliari, Sardinia, Italy

Professional Development Programmes, Conferences, Seminars, etc organized by the department

- Machine Learning for Pattern Recognition (MLPR), 2019 sponsored by TEQIP-III was organized by Dr. Seba Susan (Coordinator), Ms. Geetanjali Bhola (Co-Coordinator) for 56 participants
- Artificial Intelligence & Machine Learning (AIML), 2019 sponsored by TEQIP-III was organized by Dr. Dinesh Vishwakarma (Coordinator), Ms. Priyanka Meel (Co-Coordinator) for 87 participants

Students’ Achievement

- Meghna Bhatnagar: won Women Techmaker Scholarship
- Divjeet Singh: won Naaz-The Folk Dance Competition

New Courses Introduced

- Deep Learning (IT-324) was introduced in B. Tech. Programme.
- All courses were introduced in the M. Tech. Programme



4.14 Department of Mechanical Engineering



ACADEMIC PROGRAMMES

- B.Tech. (Mechanical Engineering)
Intake: 242
Students Admitted: 241
- B.Tech. (Production and Industrial Engineering)
Intake: 6
Students Admitted: 58
- B.Tech. (Automotive Engineering)
Intake: 62
Students Admitted: 61
- B.Tech. (Evening)
Intake: 60
Students Admitted: 59
- M.Tech. (Production Engineering)
Intake: 25
Students Admitted: 24
- M.Tech. (Thermal Engineering)
Intake: 25
Students Admitted: 22
- M.Tech. (Computational Design)
Intake: 23
Students Admitted: 9
- Ph.D. Research Scholars: 81

SALIENT FEATURES

The Department of Mechanical Engineering and Production & Industrial Engineering has seen considerable growth since its inception in 1941 with the intake rising from 30 to 328 (186 for Mechanical, 48 for production & Industrial Engineering, and 94 for Automobile Engineering). The department of Mechanical engineering also offers Post Graduate courses with specialization in Thermal Engineering, Production Engineering, Computational Design and Renewable Energy Technology. Ph.D. Programs in all fields of Mechanical Engineering are also offered. In addition, the department also offers four years' B. Tech. Programme for working Diploma Engineers. The department has developed eco-friendly technology using alternate refrigerants in the RAC lab for re-directing global warming and Ozone depletion.

LABORATORIES

The department possesses modern laboratories equipped with latest experimental set-ups and research facilities for instrumentation, experimental stress analysis, strength of materials, fluid mechanics, tic, engines, automotive engineering, robotics, heat transfer, solar energy, flexible manufacturing system, computational fluid dynamics supported by Software like view-flex, CAD-CAM and I.e. engine design. CAD lab has Softwares like NX-LAD, NXCAM, AUTOCAD Inventor, Catia, Techomatix, Abacus, ladino, NX-Nastran, Hyper mesh, hyper works, MDADAMS, Dynaform etc. In addition, microprocessors, micro controllers, PIC, spectrum analyzer and logic analyzer are available for project work.



ACADEMIC STAFF

Professors: 21

- Dr. Vipin (HOD, MED), Ph.D., Production Engineering
- Dr. Sagar Maji (On diverted capacity to DITE), Ph.D., Thermal Engineering, IC Engine
- Dr. S.K. Garg, Ph.D., Statistical Analysis, Quantitative Methods, and Supply Chain Management
- Dr. R.S. Mishra, Ph.D., Thermal Engg., Solar Energy
- Dr. Naveen Kumar, Ph.D., Thermal Engineering
- Dr. D.S. Nagesh, Ph.D., Automation, Robotics, CAD/CAM, Application of ANN & GA
- Dr. Samsher, Ph.D., Power Plant, Turbo Machinery
- Dr. Reeta Wattal, Ph.D., Production Engineering
- Dr. Bharat Bhushan Arora, Ph.D., Thermal Engineering, Turbo Machine, Refrigeration and Air Conditioning, CFD
- Dr. Vikas Rastogi, Ph.D., Machine Design
- Dr. Ashok Kumar Madan, Ph.D., CAM/Automation
- Dr. Raj Kumar Singh, Ph.D., Applied Mechanics
- Dr. Amit Pal, Ph.D., Automobile Engineering
- Dr. Ramesh Chander Singh, Ph.D., Production Engineering
- Dr. Rajesh Kumar, Ph.D., Thermal engineering and Refrigeration,
- Dr. Ranganath M.S, Ph.D., (On diverted capacity) Production Engineering
- Dr. Ravinderjit Singh Walia (On lien), Ph.D., Advanced Manufacturing Processes, Human Factor Engg, FEM & Industrial Engg

- Dr. Qasim Murtaza, Ph.D., Production Engg, Materials, Metal Coating Advance machining,
- Dr. Rajiv Chaudhry, Ph.D., Mechanical Engineering,
- Dr. Atul Kumar Agrawal, Ph.D.
- Dr. Vijay Gautam, Ph.D., Manufacturing

Associate Professors: 10

- Mr. Vishva Kamal, M. Tech., Design Engineering
- Mr. P.V. Ram Kumar, ME, Thermal Engineering
- Mr. P.K. Jain, ME, Production Engineering
- Dr. Pushpendra, Ph.D.
- Dr. Akhilesh Arora, Ph.D., Thermal Engineering, Refrigeration and Air conditioning
- Dr. Girish Kumar, Ph.D.
- Dr. Pravin Kumar, Ph.D., Industrial Management
- Dr. Mahendra Singh Niranjana, Ph.D.,
- Dr. Anil Kumar, Ph.D., Post Doc., Thermal Engineering
- Dr. Janardan Prasad Kesri, Ph.D.

Assistant Professors: 12

- Dr. N. Yuvraj, Ph.D., Production Engineering
- Dr. Manjunath K (on lien), Ph.D., Thermal Engineering
- Mr. Krovvidi Srinivas, ME, Design & Production
- Mr. Roop Lal, ME, Machine Design
- Mr. Sanjay Kumar, ME, Machine Design
- Dr. Naushad Ahmad Ansari, Ph.D. Thermal Engineering
- Dr. Mohammad Zunaid, Ph.D., Thermal Engineering
- Dr. Paras Kumar, Ph.D., Machine Design
- Mrs. Navrati Gupta, ME
- Dr. Raghvendra Gautam, Ph.D., Thermal Engineering
- Dr. Saurabh Agrawal, Ph.D., Supply Chain Management, Reverse Logistics, Industrial Engineering, Data Analytics
- Dr. Sushila Rani, Ph.D.

Faculty visit to other institutions for taking Experts' Lectures and other academic works

Prof. R. S. Mishra

- Participated in National conference as Guest of Honour and delivered key note lecture on eco-friendly refrigeration technologies for sustainable development at Dehradun in April-2019
- Participated in International Conference on Advanced production & Industrial Engineering as Guest of Honour and delivered key note lecture Green technologies for sustainable development on 5th to 6th October, 2018 and chaired Four technical sessions
- Participated in International Conference as Guest of Honour and delivered key note lecture on eco-friendly refrigeration technologies for sustainable development at the institution of Engineers in 20th January, 2019 Delhi State Centre, Institution of Engineers (India).

Dr. Girish Kumar

- Delivered an expert lecture on the topic “Statistical analysis and Hypothesis Testing” in two week, faculty development programme on “Advanced Manufacturing and Operations Management (AMOM-2017)” conducted by Department of Mechanical Engineering Delhi Technological University, from 3th to 14th July, 2017.

Dr. M. Zunaid

- Deliver a talk titled ‘Introduction to CFD, and CFD analysis of shower cooling tower for human comfort’ on 30 November 2018 in continuing education program entitled ‘Recent Advancement to Improve Habitability in Extreme Environments’ organized by Defence Institute of Physiology and Allied Sciences (DIPAS), Defence Research Development Organisation (DRDO), Govt. of India, Ministry of Defence, Lucknow Road, Timarpur, Delhi held during 28th to 30th November, 2018.
- Deliver a talk titled ‘Introduction to MATLAB’ on 30th July 2019 in Faculty Development Program entitled ‘Practical Skills in Technical Education’ organized by National Institute of Technical Teachers Training & Research, Chandigarh, India, (Established by Ministry of Human Resource Development, Government of India) at Ambedkar Institute of Technology, Delhi, held during 29th July to 2nd August, 2019.

Participation of Faculty in Conference / Seminar / Symposia / Workshops / Guest Lecture

- Prof. B.B Arora and Dr. Akhilesh Arora attended ACREX- 2019 held at Mumbai Exhibition Center from 28th February to 2nd March, 2019.

Dr. Girish Kumar

- Attended one day workshop on “Advances in Friction Stir Welding/ Processing (AFSPWP-2017)” organized by the Centre for Advanced Production and Industrial Engineering Research, DTU, Delhi on 23th March, 2017.
- Attended one day workshop on “Advances in Tribological Studies (ATS-2017)” organized by the Centre for Advanced Production and Industrial Engineering Research, DTU, Delhi on 29th March, 2017.

Dr. M. Zunaid

- Attended the International Conference on Recent Advances in Pre and Applied Mathematics (ICRAPAM 2018), held during 23th to 25th October, 2018, organized by Department of Applied Mathematics at Delhi Technological University, Delhi, India.
- Attended one-day seminar cum workshop on “Product Design (PRODE’18)” organized by Centre for Advance Production and Industrial Engineering, Delhi Technological University, Delhi, India on 11th August, 2018.
- Attended TEQIP-III sponsored one-day international workshop on “Networking of Technology and Education for Sustainable Development” organized by Department of Civil Engineering, Delhi Technological University, Delhi, India on 12th October, 2018.
- Attended one-week workshop on ‘R’ and Economic Tool organized by Department of Humanities, Delhi Technological University, Delhi, during 5th to 9th March, 2019.
- Attended one-week workshop on “E-Resources: A Gateway for Research, 3rd ed. (2018)” organized by Central Library, Delhi Technological University, Delhi, during September 10th to 14th, 2018.

Important Professional Affiliations:

Prof. R.S. Mishra

- Life Fellow The Institution of Engineers (India) . Calcutta Geological Society of India, Bangalore Indian Institution of Environmental Engineers, Delhi Indian Water Resources Society, Roorkee Indian Institute of Disaster management Delhi National foundation of Indian Engineers, Delhi
- Life member of (i) Solar Energy Society of India, Delhi. (ii) Bio Energy Society of India. (iii) Indian Society of Bio-Technology, & Bio Chemistry, Delhi, (iv) Indian Society of Soil Sciences, IARI, Delhi (v) Indian Institute of Chemical Engineers, Calcutta, (vi) Indian Society of Water Management , Delhi (vii) Indian Society of Agricultural Engineers Delhi, , (viii) Indian Society of Soil Conservation (ix) Indian Society of Information technology and Statics (x) Systems Society of India, (xi) Association of Food Scientists & Technologists (India) Bangalore (xii) Association of Soil and water Conservationist (India) Dehradun, (xiii) Indian Society for Technical Education (ISTE), (ixv) Indian Society of Mechanical Engineers Delhi, (xv) Indian Society of Dry Land agriculture Hyderabad

Prof. Vipin

- Life Member: Indian Society of Mechanical Engineers, Indian Society of Technical Education ISTE,

Dr. Akhilesh Arora

- Life Member: Indian Society of Technical Education
- Member The American Society of Heating, Refrigerating and Air Conditioning Engineers, Indian Society of Heating, Refrigerating and Air-Conditioning Engineers ISHRAE

Mr. Roop Lal

- Life member of The Institution of Engineers, Calcutta

Dr. M. Zunaid

- Life member of Indian Society of heat and mass transfer (ISHMT), membership no. LM- 722.
- Life member of Indian Society for Technical Education (ISTE), membership no. LM 82172.
- Life member of Solar Energy Society of India, membership no. LM/2046/2014.
- Member of Indian Society of Heating Refrigeration & Air Conditioning Engineers (ISHRAE), membership no. 21819.
- Life member of 'The Institution of Engineers (India)', membership no. M-1533457.
- Life member of 'Society for Fusion of Science and Technology', life membership no. LM/ 2017/ 106.

Conference/Seminar/Symposia/ Workshop organized by the Department:

- The department organized International Conference on Advanced Production and Industrial Engineering at DTU from 5th to 6th October, 2018,

Completed Sponsored Research Projects

- Dr. Anil Kumar worked on Development of a Stand-Alone Spray Assisted Solar Thermal Desalination System India-Iran under Bilateral Scientific and Technological Cooperation DST, Govt. of India with a Sponsorship of ₹ 27 Lakhs

4.15 University School of Management and Entrepreneurship

15
Journal
Publications

3
Conference
Publications

1
Book
Chapter

Faculty
19

ACADEMIC PROGRAMMES

- B.A. (H) (Economics)
Intake: 120
Students Admitted: 133
- BBA
Intake: 120
Students Admitted: 141
- MBA
Intake: 60
Students Admitted: 46
- MBA-Business Analytics
Intake: 30
Students Admitted: 29
- Ph.D. Research Scholars:
11

LABORATORIES

The department currently has one computer laboratory equipped with the latest version of different software platforms. The newly formed department has added 16 faculty during this short.

The department has around 16 student clubs built around professional, cultural, social and sports related interests.

SALIENT FEATURES

The East Delhi campus endeavours to provide quality education, research and innovation in the emerging areas of management relevant to industry and society. The University School of Management and Entrepreneurship was initiated with the view to fulfil this mission and the able leadership of the PVC II, Prof. Anu Singh Lather, as the head of East Campus, has helped create a multidisciplinary approach towards entrepreneurship, embedded in a management school, which would be able to leverage the rich and esteemed heritage of the DTU in the world of technology and best practices in higher education. The prime focus of the USME was on the introduction of new UG and PG programs in the emerging areas of management such as business analytics, entrepreneurship and family business, public policy and financial Markets etc. along with traditional undergraduate and postgraduate management programs. It aims to foster the educational ethos in its programs, of employability through industry relevant programs, on focussed domains of knowledge creation and innovation, through research and development. It looks to harness and leverage Techno - entrepreneurship and knowledge enterprise development through the centres of Entrepreneurship Development and Organizational Development.

The school has designed management programs to develop the capability amongst students for managing complex situations and relationships. Amongst the various skills of management courses, some of them focus on strengthening management principles, presentation, problem solving, team building, decision-making and marketing. Hence, management programs running in the school will help the country in producing talented and skilled workforce.



ACADEMIC STAFF

Professors: 03

- Prof. Amit Mookerjee (HOD), BA (Economics, Psychology), MBA, Ph.D., Areas of Interest are CRM, Customer Experience, CRM metrics and analytics, Customer Research and Insight, Building Customer Profitability and Loyalty
- Prof. K.V. Bhanu Murthy, Ph.D in economics, Areas of Interest are Banking and Finance, Environmental Economics, Corporate Governance in banks, International Business, Social responsibility and Business Ethics
- Prof. S.S. Khanka, Ph.D.

Associate Professors (Management): 01

- Dr. Anshu Gupta, M.Phil., M.Sc. (Operational Research), Ph.D., Areas of Interest are Operation Management, Supply Chain Management, Quality Management, Mathematical Modelling and Optimization, Multi Criteria Decision Making Problems

Assistant Professors (Management): 10

- Dr. Jagvinder Singh, M.Sc. (Operational Research), Ph.D. (Operations Research), Areas of Interest are Quantitative Techniques, Operations Research, Statistics
- Mr. Anurag Chaturvedi, B. Tech. (E&C), MBA, Areas of Interest are Decision Sciences and Information Systems, Financial Markets and Derivatives
- Ms. Harleen Kaur, B.E. (I.T.), PGDM, Areas of Interests are Marketing, Brand Management, Consumer Behaviour
- Ms. Priya Malhotra, B.Com(H), MBA, Areas of Interests are Financial Management, Investment Analysis and Portfolio Management, Financial Markets, Foreign Exchange Management
- Ms. Varsha Sehgal, B. Tech. (CSE), MBA, Areas of Interests are Strategy, Business Analytics, Information Technology

- Ms. Pallavi Kalra, B.Com. (H), M.Com, M.Phil. (Accounting), Areas of Interests are Finance and Accounting
- Dr. Naval Garg, B.Sc., M.Com., MBA, Ph.D., Areas of Interests are Human Resource Management and Organizational Behavior
- Dr. Deepti Aggarwal, B. Tech., MBA, Ph.D., Areas of Interests are Decision Science, Operations Analytics, Business Statistics, Innovation Diffusion Modelling in Marketing
- Dr. Gaganmeet Kaur Awal, B. Tech. (CS), M. Tech.(CS), Ph.D., Areas of Interests are Machine Learning, Data Mining and DBMS, Web Analytics
- Ms. Kusum Lata, B. Tech. (CSE), M.E. (CT and Applications), Pursuing Ph.D. (CSE)

Assistant Professors (Economics): 05

- Ms. Aakanksha Kaushik, B.A. (H), M.A., M.Phil. (Economics), Areas of Interests are Public Finance, Microeconomics, Econometrics
- Mr. Virender Kumar, B.A. (H), M.A., M.Phil. (Economics), Areas of Interests are Macroeconomics, Econometrics, Time Series Analysis
- Mr. Puneet Arora, B.A. (H), M.A. (Economics), Areas of Interests are Development Economics, Mathematical Methods for Economics, International Trade
- Dr. Rajesh Sharma, B.Sc., M.A. (Economics, Ph.D.), Areas of Interests are Development Economics, Financial Economics
- Ms. Ratnam Mishra, B.A., M.A., M.Phil. (Economics), Areas of Interests are Rural Development, Microeconomics, Macroeconomics

Teachers provided with financial support to attend Conferences, Seminars, etc.

- Ms. Priya Malhotra received ₹38,796/- to attend Summer School in Econometrics at GIPE, Pune, organized by Gokhale Institute of Politics and Economics
- Dr. Rajesh Sharma received ₹50,670/- to attend Research Summer School, organized by IIM Kolkata
- Ms. Ratnam Mishra received ₹50,670/- to attend Research Summer School, organized by IIM Kolkata
- Ms. Ratnam Mishra received ₹3,239/- to attend workshop on SPSS and applications of Statistics, organized by Haryana Bhawan, New Delhi
- Ms. Pallavi Kalra received ₹54,660/- to attend Teaching Summer School, organized by IIM Kolkata
- Ms. Kusum Lata received ₹6,000/- to present paper in Conference at Amity University, Noida
- Mr. Anurag Chaturvedi received ₹54,660/- to attend Research Summer School, organized by IIM Kolkata
- Ms. Harleen Kaur received ₹2,000/- to attend Two Day National Workshop on Research Methods: Scale Development, organized by SRCC, DU
- Ms. Harleen Kaur received ₹11,000/- to attend CMEE Workshop on Marketing Research, organized by IIM Lucknow

- Dr. Naval Garg received ₹53,000/- to attend Case Study Teaching Seminar, organized by IIM Ahmedabad.

Participation in Professional Development Programmes by our Faculties

- Ms. Priya Malhotra attended Research Summer School in Econometrics, organized by Gokhale Institute of Politics and Economics
- Ms. Kusum Lata attended Short Term Training Program on Recent Trends in AI and Machine Learning, organized by Delhi Technological University
- Ms. Kusum Lata attended Workshop on R and Econometrics Tools, organized by Delhi Technological University
- Dr. Deepti Aggarwal attended Short Term Training Program on Recent Trends in AI and Machine Learning, organized by Delhi Technological University
- Dr. Deepti Aggarwal attended UGC sponsored Orientation Programme, organized by CPDHE, DU
- Dr. Naval Garg attended STC on Research and Professional Skills, organized by NIT, Kurukshetra
- Mr. Virender Kumar attended UGC sponsored Orientation Programme, organized by CPDHE, DU
- Dr. Gaganmeet Kaur Awal attended Short Term Training Program on Recent Trends in AI and Machine Learning, organized by Delhi Technological University
- Dr. Jagvinder Singh attended UGC sponsored Orientation Programme, organized by CPDHE, DU

Faculty visit to other institutions for taking Experts' Lectures and other academic works

- Dr. Deepti Aggarwal delivered a lecture on Data Analysis & Interpretation in FDP on Academic Writing, Ethics & Publications by Graphic Era University, Dehradun
- Prof. K.V. Bhanu Murthy organized and conducted two day National Workshop on Blending Learning and ICT at Bundelkhand University, Jhansi under PMMMMNMT&T, Ministry of HRD
- Prof. K.V. Bhanu Murthy organized and conducted two day National Workshop on Advanced Excel at GAD-LTC, University of Delhi, under PMMMMNMT&T, Ministry of HRD
- Prof. K.V. Bhanu Murthy organized and conducted one week FDP on Research Methodology at GAD-LTC, University of Delhi, under PMMMMNMT&T, Ministry of HRD

Students' Achievements

- Mr. Mahim Singla won 2nd place in the National Young Economists Conclave, organized by Shaheed Bhagat Singh Evening College, Delhi University
- Mr. Sumanyu Gupta won the National Level Top Rankers Brilliance Award
- Mr. Shubh Chadha was a special mention in ARSD Youth Conclave
- Mr. Shubh Chadha won 1st Prize in Debate Competition in USME, DTU
- Mr. Shubh Chadha presented a Research Paper in Shaheed Bhagat Singh, DU
- Mr. Shubh Chadha won the award of Best Delegate confer MUN, SGTB Khalsa, DU

- Mr. Shubh Chadha pursued a Research Internship at Vedank Investment (Franchise, Motilal Oswal)
- Mr. Shubh Chadha was a special mention at the NSUT MUN Conference

Professional Programmes, Seminars, etc. organized by the Department

- Dr. Naval Grag and Dr. Rajesh Sharma organized a two day TEQIP-III sponsored programme on Strategic Management

from Business Perspective for 73 MBA (G) and MBA (BA) students

- Dr. Naval Grag and Dr. Rajesh Sharma organized a two day TEQIP-III sponsored programme on An Introduction to data analysis using R for 50 BA (H) 2nd Year Students
- Dr. Naval Grag and Dr. Rajesh Sharma organized a two day TEQIP-III sponsored programme on Entrepreneurship: Start-up Dream in 21st Century for 60 BBA 1st Year Students and 60 BBA 2nd Year Students

New Courses Introduced

S. No.	Name of the new course introduced	Program name	Program code	Course code	Year of introduction
1	Management Process and Organisational Behaviour	MBA-Business Analytics	MBA-BA	MB 101	2018-19
2	Marketing Management	MBA-Business Analytics	MBA-BA	MB 102	2018-19
3	Business Research Methods	MBA-Business Analytics	MBA-BA	MB 103	2018-19
4	Financial Accounting and Cost Analysis	MBA-Business Analytics	MBA-BA	MB 104	2018-19
5	Managerial Economics	MBA-Business Analytics	MBA-BA	MB 105	2018-19
6	Business Communication	MBA-Business Analytics	MBA-BA	MB 106	2018-19
7	Introduction to Business Analytics	MBA-Business Analytics	MBA-BA	MB 107	2018-19
8	Database Management Systems	MBA-Business Analytics	MBA-BA	MB 108	2018-19
9	Data Visualisation Lab	MBA-Business Analytics	MBA-BA	MB 109	2018-19

5 Centres and Other Units

5.1 DTU Innovation and Incubation Foundation

DTU Innovation and Incubation Foundation (DTU IIF) (Established as Section 8, Licence Number 107658, CIN of the company is U74999DL2016NPL305531, as per Companies Act of Govt. of India) is Incubation Centre i.e. Technology Business Incubator (TBI) of Delhi Technological University (DTU). DTU IIF was established as per the policy guidelines of Govt. of NCT of Delhi on summary recommendations of a working group established by the Government of National Capital Territory of Delhi for the following purpose:

- To create a culture of entrepreneurship, Start-ups, and, and Intellectual Property Creation that can to value creation, jobs and employment and do social and economic good.
- To facilitate creation of incubation centres that offer incubation infrastructure- space, computing resources, connectivity, common tools; and environment for co-working, collaboration and innovation.
- To Create entrepreneurship challenges based upon existing problems to foster Innovation.

VISION

To create the Entrepreneurial Ecosystem by Innovation to provide enhanced value propositions to the customers and create wealth and employment for everyone.

MISSION

Our mission is to provide incubation and business support services to Start-ups/ Companies of DTU IIF so that they can grow and prosper.

Details of Currently Incubating Startup Companies/Incubatees at DTU-IIF

1. AMPEREPLUS PVT. LTD. (CIN: U74999DL2016PTC301297)

Ampere provides turnkey EPC/INC solution for Solar Power Plants for industrial and commercial market. We also provide data-based monitoring and energy saving technology to monitor devices like street lights, Solar Powered internet routers with motion sensors, etc.

2. ZEFI LABS PRIVATE LIMITED (CIN: U74999DL2017PTC323170)

Maximum water coming out of the tap bounces off without coming in contact with surface. Hence, we came with Dropp, an atomizer faucet designed to fit with any domestic tap which converts water coming out of the tap into millions of tiny droplets, creating a heavy mist, shooting out of the tap. This increases the surface area of water drastically and makes the efficient use of water while washing. But sometimes, higher flow rate is required, for that we have normal flow mode also. Normal flow mode also saves up to 75% water. Dropp serves to the places with high water consumption and water scarcity.

3. IOTERACTION TECHNOLOGIES SERVICES PRIVATE LIMITED (CIN: U72200DL2017PTC327289)

IoTeraction Technologies Services Private Limited is involved in Software publishing, consultancy and supply. Software publishing includes production, supply and documentation

of ready-made (non-customized) software, operating systems software, business & other applications software, computer games software for all platforms. Custom software also includes made-to-order software based on orders from specific users. It is also involved in the development of media based IoT products. It assists companies in interactive advertising and marketing. Lastly, it develops data analytics software and provides consulting based on collected data points and also an ERP solution for Indian logistics and supply chain industry.

4. **PROXIMA ADVERTISING SOLUTION PRIVATE LIMITED (CIN: U74999DL2018PTC330601)**

We describe our company as an advertising agency which is trying to cut down on the cost of advertising for small businesses. Websites have been a popular channel of advertising since the internet, but we are trying to convert the entire internet as a channel for advertising. By providing free Wi-Fi to users we want to make internet a human right that's why we keep it free and, in the process, bring down the cost of advertising to 2 Rs per ad view.

5. **SUPREMETESTING LAB & FORENSIC EVIDENCE PROTECTION TECHNOLOGY PRIVATE LIMITED (CIN: U74999DL2018PTC329803)**

Study various types of crime Exhibit their shape and size and design containers, accordingly to the shape of various types of exhibit Including, Computer Forensics, Charred Documents and properly Maintenance of Chain of Custody. Study of properties of material to be used for making containers for Solids, Liquid, and Gases. Commercialization of the

Design and production of the various type of Containers and Sealing Devices.

6. **TRENTION TECHNOLOGIES PRIVATE LIMITED (CIN: U74999BR2017PTC036114)**

This plan is based on analysis of data collected from the MVP of EazyPG run actively in 3 months of July-Sept. last year. The features/products, value proposition, revenue model, go-to-market strategies, etc are factually based on perspectives/feedbacks and insights we gained from 3000 users we interacted and delivered the services personally. We looked for problems they faced, their experiences/feedback to our solutions, their perspective and approach to it and also any pattern & preferences behind their use of our products.

7. **HANUSHA NETWORKS PVT. LTD. (CIN: U74999UP2018PTC101537)**

SportsApp is a Sports Professionals Network including sports academies and sponsors, in this athlete can connect with other athletes, coaches, sports academies, and sponsors and they will get regular updates of "Event s, Job & Admission, Scholarships & Sponsorship opportunities". The vision is to aid the talented athletes with all the facilities & visibility required to them to succeed in future.

8. **VEHICOOL**

Vehicool is an overhead evaporative cooling system with a very low cost and effective cooling. The product is being developed when the need to make the life of truck drivers more comfortable was realized. An alternative cooling system that can serve the purpose in

an efficient manner and can solve their problem up to a great extent. A truck with AC cabin costs at least thousands or even few lakhs extra. Vehicool, being overhead cools the cabin in such a way which maximizes the comfort of the driver, at low cost.

9. **FAUCET LABS PVT. LTD.**
(CIN: U72900DL2019PTC347110)

Cypherock provides security storage solutions for blockchain based digital assets and private keys. It is developing a universally designed hardware wallet to enable seamless and secure mobile blockchain transactions. The first product is a hardware wallet portable to the mobile case or a plug & play case in order to mitigate both PC & mobile software wallets' security risks. It will have a touchscreen, serve dual purpose (both desktop & mobile), be portable to other devices, secured by biometric and user set PIN, support diversity of digital assets and be a cold storage.

10. **ZALVIT ENTERPRISES PVT. LTD.**
(CIN: U7499DL2019PTC350402)

Today the youth of this country frequently use social media like Instagram, however it is of no general productivity. The plan is to post advertisements from the accounts of common users. When hundreds of users will post the content, it will gain more reach than any other corporate ad. The Brands will get a reach for their marketing while the users will get paid for it. Advertisement industry is rapidly growing and will soon cover all the social media. Currently no big advertisements or marketing is done on Instagram. We are developing the portal for this interaction.

11. **WAARIS GREEN LABS PVT. LTD.**
(CIN: U37200DL2019PTC350610)

We are a waste management and waste education start-up, currently working on paper waste management. We help to micro manage the waste produced and trying to improve the collection frequency (as close as 1 month). Against the paper waste collected we provide our services which include recycled paper stationery, educational workshops, tree plantation and sharing drives. As of now, we have been permitted to work with 130 + government schools of Delhi by department of education.

12. **KALKIN**

We have built our start-up to revolutionize the way people live their daily lives. Our goal is to make the houses we live in intelligent, and more connected to us. The more intelligent our houses are, the less monotonous tasks we have to perform. People wouldn't have to wonder whether they left their iron switches on before leaving the house. People don't have to wake up at 5 a.m. in the mornings to switch on their water pumps. Neither would they have to wait for their rooms to cool down reaching home after a busy day of work, because now, it will be done before they reach. This is what our start-up is about, to make our houses a part of us, just like our limbs and muscles, over which, we have complete control.

13. **BESTBOOK BUDDIES TECHNOLOGIES PRIVATE LIMITED**
(CIN: U74999DL2017PTC316465)

Best Book Buddies is a Social Network of Book-Lovers, connecting Readers, Writers, Publishers together with Books

as the centre. Best Book Buddies (BBB) automates the libraries across the world free of cost, thus automating and networking them while giving opportunities to book-lovers to find books across the world and connect with like-minded book-lovers. Currently, we have 3 lakh members of 400+ libraries from 26 countries using these facilities. The Networking features were launched last month at IIT Delhi.

**14. PROJEXEL TECHNOLOGIES PVT. LTD.
(CIN: U72900HR2019PTC080008)**

Our product uses emerging technologies in terms of cell chemistry, IC's, RF transmitter, receivers and other electronics components. Which are in the middle of S curve of development and will see step improvements in future. This will help us provide better products as we proceed.

**15. ROADUST ENTERPRISES PVT. LTD.
(CIN: U72900DL2019PTC351002)**

Dhannoo Bicycle Sharing is the most innovative bicycle sharing system. It is designed with the vision to become the most customer focus transportation service by feasible pricing and best in class service. It is a dock less bicycle sharing system where people can unlock a bicycle from their mobile phones & enjoy their rides. We have come up with strategies & operational plans to maximize the efficiency of the system. The increasing pollution and road congestion make it a necessity to have an environment friendly alternative to transportation. Hence, we propose to be incubated in the DTU Innovation & Incubation Foundation. It will help us to speed up our Pilot stage & reach our eco-friendly dream to its earliest.

16. WASTE ON WHEELS

We are developing a decentralized waste segregator capable of source segregation biodegradable and non-biodegradable waste. It segregates any kind of mixed waste with 95% of efficiency. The segregators are incorporated in mobile waste collectors. With our mechanical segregator integrated right into the waste collector we will be able to segregate the waste in large amounts during the process of collecting. The idea incorporates a blend on mechanical components such as Mixed waste shredder, pneumatic separators, tommel Screening, Size screening, Air classifier (density separation) along with a advance application of physics to achieve segregation.

17. BOOKSCROLL

Modern technology has made our life easier in many aspects. We too have utilized this new technology in the service of the students. We have developed a complete marketplace dedicated specifically to the needs of the students. The current education industry is worth crores of rupees. This industry can be efficiently scaled into an online marketplace. Every transaction inside a campus can be completed without the need of shopkeepers who prey on the money of students. We have done this by being efficient and cost-effective at the same time with the use of latest technology.

18. SEUTUS WASTE MANAGEMENT TECHNOLOGIES PVT. LTD. (CIN: U74999DL2019PTC347363)

Smart dustbins will be installed in the houses. These bins have two separate compartments one each for biodegradable & non-biodegradable. The Consumer just keep bin house and bin automatically senses and segregates the waste in appropriate compartment waste is also comprised to compact from every bin has a location set via GPS for collection. Once bin gets filled it automatically sends bin location for collection biodegradable is converted into 100% organic manure and sold to farmers in competitive to chemically prepared manure. Rest if the waste in recycled. Manure is converted within 3-4 days using highly optimum condition collection of garbage us entirely free for customer.

19. JXR TECHNOLOGIES PVT. LTD. (CIN: U74999DL2019PTC344603)

The plan is to launch the 2 versions of water pump controller into to market which are superior in terms of technology and lower in cost. Two versions are for Submersible & Municipal Corporation water lines. Water pump controller is a device that stops the overflowing water from tanks or fill the tank automatically at residential places.

DTU IIF Activities

- Entrepreneurship summit (2019) in collaboration with E-Cell DTU

OUTREACH ACTIVITIES of DTUIIF

- Developed linkages with other investors and other Govt. funding agencies (Niti Aayog, Gol), MSME, Gol to fund our start-up companies currently incubating at DTUIIF.
- Approach more Public Sector Companies for funding to start-ups of DTU under Corporate Social Responsibility (CSR Act of Gol).



5.2 Human Resource Development Centre

- In consonance with the National Policy on Education (NPE), 1986 of University Grants Commission, Delhi Technological University established Human Resource Development Centre under section 7(13) of the Delhi Technological University Act, 2009 with effect from 1st January 2018
- HRDC will be focused to the crucial development of quality ensured delivery of education to continuous knowledge up-gradation, capacity building and motivation of teachers for accepting challenges arising from new research and advancement in technology and recent trends of breaking barriers of subject related to science and technology.
- At present there are 66 Human Resource Development Centre (HRDC) established by UGC in different universities over a period of time since 1986.

HRDC can conduct following types of Programmes.

1. Orientation Programs

Every new faculty member in higher education will be required to undergo a four-week Orientation / First level Programme which will be focused on some broad area of knowledge spanning a few allied disciplines with minimum of 24 working days (excluding Sundays) and 144 contact hours (six hours a day).

2. Refreshers courses

These will be mainly focused for those faculty members who have already undergone through the Orientation/ First Level Programme in an identified broad area with minimum of 18 working days (excluding Sundays) and 108 contact hours (six hours a day).

3. Workshops

These will be organized for shorter duration of one week (6 working days, 36 contact hours) and will be covering mainly for capacity building of academics, administrators and other stakeholders.

4. Short-term course

3-6 days duration especially on research methodology and specialized themes of interest.

Following Trainings/Programmes were conducted during the session 2018-19.

- One day programme on 27.09.2018 on New Pension Scheme (NPS) for Officer/Officials was conducted for 37 Participants.
- One day Workshop on 01.02.2019 on Key Provisions of the right of persons with disabilities, Act 2016 was conducted for 50 Participants.
- Two days Faculty Development Programme "Game Changer-II" on 01.03.2019 and 02.03.2019 was conducted for 34 Participants.

5.3 Solar Energy Centre

432 KW roof top Solar Photovoltaic power plant on resco model and 40 KW SPV plant on capex model are functioning at Delhi Technological University.



Delhi Technological University has installed 432 KW roof top Solar Photovoltaic power plant on resco model which has been installed by M/S Hero Future Energies on the terrace of the various departments of Delhi Technological university. This has been further added by 40 KW SPV plant by M/S Photon Energy Systems Ltd. on capex model on the rooftop of administrative building. All together there has been 472 kW SPV plant in DTU. Both the plants have been working very satisfactorily. All 472 kW solar panels have been installed in Science block (108 kWp, having 1 Electronic solar



metre), Mechanical block (150 kWp, having 2 Electronic solar metres) and Electronic block (174 kWp, having 3 Electronic solar metres). In this regard an agreement has been signed between DTU and M/S Hero Solar Energy Pvt Ltd. For twenty-five years with tariff of Rs. 5.80 per KWH w.e.f. 01/06/16. Since solar radiation is variable throughout the day, throughout the month and the year. It does not remain constant. Hero Solar Energy Private Limited generates the bill every month and DTU makes the payment. It has been observed that all the solar electricity output of all the 432 kW solar panel from all the 6 electronic metres are found as 38677 kWh for January 2019, 39147 kWh for February 2019, 62796 kWh for March 2019, 60653 kWh for April 2019, 58702 kWh for May 2019, 56441 kWh for June 2019, 41085 kWh for July 2019. A 40 kWp system has been also commissioned in the month of June 2015 and functioning properly. It has two inverters of 20 kW each connected to the above system. The control room has been built on the ground floor at the back of the building. The DC power so generated by the SPV plant is converted into AC power by the SSE model inverters and fed to the 3 phase Delhi Technological grid.

The above two systems are grid connected to the TATA Power Delhi Distribution Limited (TPDDL) and are controlled in such a way that whenever solar electricity is produced it has priority to the DTU grid. It means that when DTU has zero load then only it will be exported to the TPDDL. The cost of the solar electricity comes cheaper than the cost of the electricity provided by TPDDL.

5.4 Kitchen Waste Plant



Delhi Technological University in collaboration with Bhabha Atomic Research Centre (BARC) and M/S AVI plast have set-up a 500 kg per day kitchen waste biogas plant in the backyard of main DTU canteen. This is based on Nisargruna technology, developed by BARC which is a method of processing biodegradable food and kitchen waste. It is an environment friendly technology, which delivers two valuable products i.e. flammable methane gas and organic manure. This plant was installed and commissioned in April 2014. Initially, the system started functioning with about 50 kg wastes per day and slowly it moved to more than 100 kg per day and in due course of time it will reach to its full capacity i.e. 500 kg per day. The equal amount of water is also mixed with the waste at the inlet of the digester. Food waste is mixed with water and then grinded and fed to the inlet of the plant. The methane gas so generated by this plant is fed to the kitchen of the main canteen.

This kind of technology is very useful to various vegetable mandi and Municipal Corporations to process their vegetable waste as most of biodegradable waste can be utilized as raw material for the

plant. Biogas and manure are valuable product. Nevertheless, whole technology creates various types of opportunities for different prospects. Biogas can also be used for the generation of Electricity. Waste segregation at the source is another major issue which needs proper attention. Biogas production is faster because of combination of aerobic and anaerobic digestion technology. Electricity generation from biogas is also one of the potential benefits. This technology development will save environment to greater extent. It will also provide benefits in the form of Biogas, reduction in GHG emission, health benefits, social benefits and benefits in terms of financial investments. In future there will be scope for extra benefits like subsidies and benefits like carbon credits, which will give high rate of return on total investment. Entrepreneurs will excel in their ventures by selling services and products related Technology. DTU is in contact with some other organizations to provide consultancies in this area. The DTU students have already produced some research papers. Few students are doing their B. Tech., M. Tech. and PhD.. projects. Presently this plant is under maintenance and operation. A contact has been established with M/S Absloute water Pvt Ltd. Delhi to maintain this plant. After going through technical details, and discussions, M/S Absolute water has agreed to maintain the above plant. Some of the equipment installed earlier may need repair/upgradation or replacement for smooth operation of the plant to achieve the maximum possible output. A techno-commercial proposal is under way to revive the above plant.

5.5 Centre for Advanced Studies and Research in Automotive Engineering

Centre for Advanced Studies and Research in Automotive Engineering (CASRAE) was founded in 2003 in the erstwhile Delhi College of Engineering with the objectives of developing variety of alternative fuels and engine technologies to reduce the dependence on imported crude petroleum and minimize harmful exhaust emissions. The centre has seen a radical growth in last 16 years and it is being considered as one of the key research centres not only in India but abroad also. The faculty along with the students have published research papers in large number of International Journals and have also attended international conferences abroad. The faculty and students are attending various American Society of Mechanical Engineers (ASME) and Society of Automotive Engineers (SAE) conferences and also publishing papers in Elsevier, Wiley, Springer, Taylor & Francis, SAE and ASME Journals.

The prime focus areas in the centre include; Advancement in design of Compression Ignition and Spark Ignition Engines, Development of Micro-Turbojet Engines, Studies of Aerodynamic Characteristics of various airfoils, Design characteristics of Aircrafts, Hybrid Vehicles, CFD study of spray injection, Biofuels like biodiesel, ethanol, n-Butanol and host of other promising alternative fuels such as renewable diesel, nanofuels, Compressed Natural Gas (CNG), Hydrogen etc.

International Conference attended by students:

The faculty advisor of CASRAE, Prof. Naveen Kumar along with one Ph.D. Research Scholar, Mukul Tomar, attended ASME International Mechanical

Engineering Congress and Exposition (IMECE 2018) held at Detroit, Michigan, USA from Nov 9-15, 2018 and presented an oral research paper titled “**Numerical Study of Forced Convection in Different Fluids From Stationary Heated Cylinders in a Square Enclosure**” & “**Some Studies on NOX Reduction from a Diesel Engine using Stabilized Emulsion**”. The ASME world Congress was a great amalgam from academia, research and mobility industry.



7th International Symposium on Science and Technology (ISFT) at Raj Mangla University of Technology, Thailand, December 16-20,2018

The faculty advisor of CASRAE, Prof. Naveen Kumar along with the students, attended the 7th International Symposium on Science and Technology (ISFT) held at Raj Mangla University of Technology, Thailand from 16th-20th December 2018. The name of the students with the title of their research paper is shown below:

1. Mukesh Yadav, “Comparative study of connecting rod with different materials at transition zone”
2. Mukul Tomar, Rohan Brella, Mohit Ojha, “GC/MS Analysis of Methyl Esters of Biodiesel Produced from Schleichera Oleosa (Kusum Oil)”
3. Devanshu Jain, Mukul Tomar, “Transient Analysis of Natural Convection around a pair of square cylinders inside a Trapezium Enclosure”
4. Abhiroop Dey, “Thermal Analysis of a Cast Iron Piston using Finite Element Method”
5. Mukul Tomar, “Fatigue analysis of sundry I.C. engine connecting rods”
6. Mukul Tomar, “Uncertainty Estimation of pH Measurement by ISFET sensor”



World Biofuel Day 2018:

The students from CASRAE participated in the program organized by Ministry of



Petroleum and Natural Gas on the occasion of World Biofuel Day, August 10, 2018 at the Constitution Club, New Delhi and the Game-Changing Projects in this vital sector were showcased. It was an excellent overall learning experience for the students.

Workshop on “Emission regulation and control” October 2018:

A workshop on Emission Regulation and Control was organized by IMechE DTU Chapter. Due to increase in emissions from automobile, it becomes a great concern for us. To increase the awareness about the effects of emissions and its control, this workshop was organized in Delhi Technological University. The guest speaker of the workshop was Vagesh Shangar R, senior engineer at Engines Automotive Mahindra Research Valley. The workshop consisted of introduction of various technologies and methods to measure and regulates emissions. Certificates were provided to the attendees after the workshop.



Workshop on “Emerging trends in automotive technologies” January 2019:

An informative and inspirational session on “Emerging Trends in Automotive Technologies” powered by AVL was organized by IMechE DTU on January 25th, 2019. Mr. Sameer Bhatnagar, the India Head

of R&D and Operations, AVL was the guest speaker. It aimed at furnishing information about the latest practices and trends in the field of automotive engineering to the students from various branches/institutions. Participation of more than 50 students was seen from different institutions of NCR. The broad topics discussed in the session were Emission norms, Emission Analysis Techniques and a demonstration of MDS Emission Analyzer. Mr. Bhatnagar with his experience of 24 years in Vehicle Diagnostics truly inspired the young aspiring engineers to think differently and achieve great endeavors in their life.



Workshop on “Synthesis Gas as Transportation Fuel: Progress and Challenges” February 2019

Centre for Advanced Studies and Research in Automotive Engineering conducted an informative session on “Synthesis Gas as Transportation Fuel: Progress and Challenges” by Dr. Ftwi Yohannes Hagos



(Ph.D., CEng IMechE), a DCE alumnus, on 22nd February, 2019 in collaboration with IMechE DTU Chapter. It aimed at furnishing information about the latest practices and trends in the field of IC Engines and fuels. The broad topics discussed in the session were the analyzation of energy production through various sources and their impact on the environment based on past & present usage and identifying their future aspects. Dr. Hagos has truly inspired the young aspiring engineers to think differently and achieve great endeavors in their life.

List of Research Papers published in Peer Reviewed Journals:

1. Mukul Tomar, **Naveen Kumar**, Aahan Malhotra **“Transient Analysis of Natural Convection around a Pair of Circular Cylinders Inside a Square Enclosure”** SAE Paper No. 2018-01-0776, DOI:10.4271/2018-01-0776, <https://www.sae.org/publications/technical-papers/content/2018-01-0776/> (Publisher- SAE International; Scopus Indexed)
2. Rohan Brella, **Naveen Kumar** **“Design, and Optimization of Composite HAWT Blade”** SAE Paper No. 2018-01-1034, DOI: 10.4271/2018-01-1034, <https://www.sae.org/publications/technical-papers/content/2018-01-1034/> (Publisher- SAE International; Scopus Indexed)
3. Satvik Jain, Rahul Fageria, Srishti Mishra, Adeel Ahmad, **Naveen Kumar** **“A Study on the Application of Turbo Expansion in Light Duty Gasoline and Diesel Engines : A Review”** SAE Paper No. 2018-01-0051, DOI:10.4271/2018-01-0051, <https://www.sae.org/publications/technical-papers/content/2018-01-0051/> (Publisher- SAE International; Scopus Indexed)
4. **Naveen Kumar**, Sidharth **“Some Studies on use of Ternary blends of diesel, biodiesel, and n-octanol”** Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, DOI: 10.1080/15567036.2018.1486902, <https://www.tandfonline.com/doi/full/10.1080/15567036.2018.1486902> (Publisher – Taylor & Francis; SCI Indexed)
5. Parvesh Kumar, **Naveen Kumar** **“Study of ignition delay period of n-Butanol blends with JOME and diesel under static loading conditions”** Energy Sources, Part A: Recovery, Utilization, and Environmental Effects DOI: 10.1080/15567036.2018.1486904, <https://www.tandfonline.com/doi/full/10.1080/15567036.2018.1486904> (Publisher – Taylor & Francis; SCI Indexed)
6. Lalit Kumar Choudhary, Rohan Brella, **Naveen Kumar** **“Static Stress and Thermal Analysis of Connecting Rod using FE-Analysis”** SAE Paper No. 2018-32-0034, DOI:10.4271/2018-32-0034, <https://www.sae.org/publications/technical-papers/content/2018-32-0034/> (Publisher- SAE International; Scopus Indexed)
7. Amar Deep, Rakesh Kumar, **Naveen Kumar** **“Studies on the use of orange peel oil and ethanol in an unmodified agricultural diesel engine”** Energy Sources, Part A: Recovery, Utilization, and Environmental Effects DOI: 10.1080/15567036.2018.1549160, <https://www.tandfonline.com/doi/full/10.1080/15567036.2018.1549160> (Publisher – Taylor & Francis; SCI Indexed)
8. Ankit Sonthalia, **Naveen Kumar** **“Hydroprocessed vegetable oil as a fuel for transportation sector: A review”** Journal of the Energy Institute,

Volume 92, Issue 1, 2019, <https://www.sciencedirect.com/science/article/pii/S1743967117301526> (Publisher - Elsevier; SCI Indexed)

9. **Naveen Kumar, Mukul Tomar** “Influence of nanoadditives on Ignition characteristics of Kusum (*Schleichera oleosa*) biodiesel” International Journal of Energy Research, <https://onlinelibrary.wiley.com/doi/pdf/10.1002/er.4446> (Publisher - Wiley; SCI Indexed), 2019.

Expert/Invited Lecture by Professor Naveen Kumar (Abroad)

10. **Methanol Economy – Opportunities & Challenges for India**” 7th International Symposium on Fusion of Science & Technology, Raj Mangla University of Technology, Thailand, December 16-20,2018

11. **Next-Gen Biofuels – Potential & Challenges**” International Conference on Advance Technologies in Renewable Energy for Future Sustainability, RGPV Bhopal, January 30-31, 2019
12. **“Moving ahead from Hydrogen to Methanol Economy: Scope and Challenges”**, International Workshop on Energy, Power & Environment (IWEPE-2019), NIT Kurukshetra, March 17-19, 2019

5.6 Centre for Value based Education

Board of Management in its 26th meeting on 8.12.2017 has approved the establishment of Centre for Value based Education at DTU. The role of the centre is to prepare and implement innovative resource material for value education for students, encourage the students about the benefits of implementing professional ethics in their later life as professional. Also Organizing workshops and STCs to motivate the teachers to use value education, yoga and meditation as a tool in making better citizen.

AIM:

To create awareness, inspiration among the students and teachers about the need of higher dimensions of education in becoming enlightened citizens which is achieved by imparting techniques and Knowledge for promoting human values and thereby making better engineers with the better use of ethics and moral values in professional and personal lives.

OBJECTIVE:

1. Introduction of an audit course in the year with appropriate credit weightage on ethics, human values, social and spiritual values.
2. To undertake research in the area of "Interaction of Science, Technology and Human Values" and to promote an understanding of its implications.
3. Organizing workshops to train teachers of various technical institutions in this field
4. Organizing Symposia, Seminars, Short Term Courses on relevant topics to promote awareness on such issues among professionals.
5. Orientation programmes for 1st year students.

ORGANISATIONAL STRUCTURE:

Dr. T. Vijaya Kumar (Department of Civil Engineering)	Co-ordinator
Sh. Anoop Lather, PRO	Advisor
Dr. Yasha Hasija (Department of Biotechnology)	Deputy Co-ordinator
Dr. Vikas Gupta (Delhi School of Management)	Deputy Co-ordinator

ACTIVITIES UNDERTAKEN:

1. The centre proposed various foundation courses for the undergraduate students and the course which is offered in the academic year 2019-20 is **FEC 47 Value driven leadership**.
2. The centre took initiative for the inner well being of an individual whether being a student, staff or teacher, in the form of expert lecture and periodical sessions with yoga and meditation experts. Also, weekly meditation sessions being conducted in the campus regularly.
3. MoU has been made with Heartfulness Institute for exchange of their faculty for training, research and retreat.
4. One day workshop has been organized by the centre with the assistance of TEQIP on July 26th on the theme "Professional excellence through values Meditation and Self Management".
5. In collaboration with HRDC DTU, the centre organized a talk during YUVAAN 2019 by Shri A. P. Durai, IPS (Rtd) on challenges of the today's world and how to overcome it.

5.7 TIFAC-CORE in Fiber Optics and Optical Communication

TIFAC CORE @ DTU

TIFAC-CORE in the area of Fiber Optics & Optical Communication has been established in Delhi Technological University (Delhi College of Engineering), Delhi for which an agreement was signed between TIFAC& DCE on July 6, 2004. The activities of this TIFAC-CORE at DCE is supported by TIFAC/DST, Govt. of NCT of Delhi and partners from industries under Mission REACH Program, Technology Vision-2020, Govt. of India.

Vision

To establish a world class knowledge centre providing education in the areas of Fibre Optics and Optical Communication System that promotes research and development leading to innovative applications of Fibre Optics, fostering institute-industry linkages and entrepreneurial culture encompassing

all aspects of interaction of light and matter for the betterment of the society.”To establish a world class knowledge centre providing education in the areas of Fibre Optics and Optical Communication System that promotes research and development leading to innovative applications of Fibre Optics, fostering institute-industry linkages and entrepreneurial culture encompassing all aspects of interaction of light and matter for the betterment of the society.

Student achievements

- Ritika Ranga received the travel grant to attend SPIE OPTICS AND PHOTONICS 2019
- Pooja Chauhan received the travel grant to attend FIO,2019
- Pooja Chauhan received the travel grant to attend FIO,2019
- Reena Dalal got selected to attend Siegmann School on lasers and received the travel grant to attend it.

Journal Publications

S. No.	Title of paper	Name of the author/s	Name of journal	Year of publication	ISSN number
1	Mid-infrared broadband supercontinuum generation in a highly nonlinear rectangular core chalcogenide photonic crystal fiber	Pooja Chauhan, Ajeet Kumar, Yogita Kalra	Optical Fiber Technology, Elsevier	2018	1068-5200
2	Computational Modeling of Tellurite Based Photonic Crystal Fiber for Infrared Supercontinuum Generation	Pooja Chauhan, Ajeet Kumar, Yogita Kalra	OPTIK, Elsevier	2019	0030-4026
3	Zero-index based metamaterial all-dielectric nanoantenna	Nishant Shankhwar, Yogita Kalra, Qiang Li and Ravindra Kumar Sinha	AIP Advances	2019	2158-3226

S. No.	Title of paper	Name of the author/s	Name of journal	Year of publication	ISSN number
4	All dielectric zero-index metamaterial for TE/TM polarization	Nishant Shankhwar, Yogita Kalra and Ravindra Kumar Sinha	Journal of Optics	2018	2040-8978
5	A simple method to estimate the loading effects of Al/Si on the characteristic impedance of multilayer microstrip line	Sandhya M Patel, Yogita Kalra, V.N. Ojha, R.K. Sinha	Indian Journal of Pure & Applied Physics (IJPAP)	2018	0301-1208

Conference Publications

S. No.	Title of paper	Name of the Author/s	Name of Conference	Year of publication	ISSN Number
1	Design and modeling of As ₂ Se ₃ based golden spiral photonic crystal fiber for supercontinuum generation	Tanya Garg, Pooja Chauhan, Ajeet Kumar	PHOTONICS 2018: The International Conference on Fiber Optics and Photonics	2018	978-93-88653-41-1
2	A decagonal chalcogenide doped photonic crystal fiber for slow light generation	Rahul Kumar, Pooja Chauhan, Ajeet Kumar	PHOTONICS 2018: The International Conference on Fiber Optics and Photonics	2018	978-93-88653-41-1
3	Design and analysis of double V- shaped nanoantenna	Shanu Kumar, Pooja Chauhan, Ajeet Kumar	PHOTONICS 2018: The International Conference on Fiber Optics and Photonics	2018	978-93-88653-41-1
4	Computational analysis of field enhancement due to nanocrescent dimer	Ayush Paliwal, Jorawar Singh Dham, Ajeet Kumar	PHOTONICS 2018: The International Conference on Fiber Optics and Photonics	2018	978-93-88653-41-1
5	Inter pulse Amplified Spontaneous Emission (ASE) reduction through pulsed pumping in Er:Yb co-doped pulsed fiber laser amplifier at 1 kHz	Atul Bhardwaj, Lalita Agarwal, Ajeet Kumar, R. K. Sinha	PHOTONICS 2018: The International Conference on Fiber Optics and Photonics	2018	978-93-88653-41-1

S. No.	Title of paper	Name of the Author/s	Name of Conference	Year of publication	ISSN Number
6	Design and analysis of AsSe ₂ chalcogenide waveguide for on-chip supercontinuum source	Vikas Tyagi, Ajeet Kumar, Than Singh Saini	PHOTONICS 2018: The International Conference on Fiber Optics and Photonics	2018	978-93-88653-41-1
7	Design and analysis of a cross V-shaped nanoantenna for visible region	Shanu Kumar, Pooja Chauhan, Ajeet Kumar	Laser Science, Optical Society of America -2018	2018	978-1-943580-46-0
8	Slow light generation in decagonal liquid core photonic crystal fiber	Rahul Kumar, Pooja Chauhan, Ajeet Kumar	Laser Science, Optical Society of America -2018	2018	978-1-943580-46-0
9	Rectangular core dispersion engineered photonic crystal fiber for supercontinuum generation	Pooja Chauhan, Ajeet Kumar, Yogita Kalra, Than Singh Saini	Laser Science, Optical Society of America -2018	2018	978-1-943580-46-0
10	Highly nonlinear spiral shaped photonic crystal fiber in a Ga-Sb-S chalcogenide glass for nonlinear applications	Pooja Chauhan, Ajeet Kumar, Yogita Kalra, Than Singh Saini	SPIE OPTICS & PHOTONICS -2018	2018	0277-786X/18
11	Design and analysis of graded rectangular-core photonic crystal fiber for terahertz communication	Lakshay Gautam, Alankrit Tomar, Ajeet Kumar	SPIE OPTICS & PHOTONICS -2018	2018	0277-786X/18
12	Optical modeling and computational analysis of tapered dome shaped nanoantenna	Ayush Paliwal, Jorawar Singh Dham, Ajeet Kumar, Lakshay Gautam	SPIE OPTICS & PHOTONICS -2018	2018	0277-786X/18
13	Enhancement of Purcell factor in all-dielectric dimer	Reena Dalal, Yogita Kalra, Ajeet Kumar	SPIE OPTICS & PHOTONICS -2018	2018	0277-786X/18
14	Design and analysis of photonic crystal fiber in Ga-Sb-S chalcogenide glass for nonlinear applications	Pooja Chauhan, Ajeet Kumar, Yogita Kalra, Than Singh Saini	National Conference on Advanced Materials and Nanotechnology (AMN-2018)	2018	978-0-7354-1725-0

S. No.	Title of paper	Name of the Author/s	Name of Conference	Year of publication	ISSN Number
15	Design and analysis of microstructured optical fiber for supercontinuum generation	Ankit Sharma, Pooja Chauhan, Ajeet Kumar, Yogita Kalra, Than Singh Saini	International Conference on Advanced Materials and Nanotechnology (AMN-2019)	2019	978-0-7354-1879-0
16	Design and analysis of a hollow bowtie nanoantenna	Parul Goyal, Nishant Shankhwar, Yogita Kalra	SPIE OPTICS & PHOTONICS -2018	2018	0277-786X/18
17	Dielectric zero-index metamaterial filled photonic crystal defect waveguide: design and analysis	Nishant Shankhwar, Yogita Kalra, Ravindra Kumar Sinha	SPIE OPTICS & PHOTONICS -2018	2018	0277-786X/18
18	Design and Analysis of Broadband Square Spiral Shaped Nanoantenna	Ritika Ranga, Nishant Shankhwar, and Yogita Kalra	Optical Society of America, 2018	2018	978-1-943580-46-0
19	Near Field Enhancement in a Hollow Flower Shaped Nanoantenna	Parul Goyal, Nishant Shankhwar, and Yogita Kalra	Laser Science. Optical Society of America, 2018	2018	978-1-943580-46-0
20	Honeycomb photonic crystal as a zero index metamaterial	Nishant Shankhwar, Yogita Kalra, Ravindra Kumar Sinha	Laser Science. Optical Society of America, 2018	2018	978-1-943580-46-0
21	Rectangular core dispersion engineered photonic crystal fiber for supercontinuum generation	Pooja Chauhan, Ajeet Kumar, Yogita Kalra, Than Singh Saini	Laser Science, Optical Society of America-2018	2018	978-1-943580-46-0
22	Highly nonlinear spiral shaped photonic crystal fiber in a Ga-Sb-S chalcogenide glass for nonlinear applications	Pooja Chauhan, Ajeet Kumar, Yogita Kalra, Than Singh Saini	SPIE OPTICS & PHOTONICS -2018	2018	0277-786X/18
23	Enhancement of Purcell factor in all-dielectric dimer	Reena Dalal, Yogita Kalra, Ajeet Kumar	SPIE OPTICS & PHOTONICS -2018	2018	0277-786X/18

S. No.	Title of paper	Name of the Author/s	Name of Conference	Year of publication	ISSN Number
24	Design and analysis of photonic crystal fiber in Ga-Sb-S chalcogenide glass for nonlinear applications	Pooja Chauhan, Ajeet Kumar, Yogita Kalra, Than Singh Saini	National Conference on Advanced Materials and Nanotechnology (AMN-2018)	2018	978-0-7354-1725-0
25	Design and analysis of microstructured optical fiber for supercontinuum generation	Ankit Sharma, Pooja Chauhan, Ajeet Kumar, Yogita Kalra, Than Singh Saini	International Conference on Advanced Materials and Nanotechnology (AMN-2019)	2019	978-0-7354-1879-0
26	Design of hexameric flower shaped nanoantenna for energy harvesting	Ritika Ranga,, Nishant Shankhwar, Yogita Kalra, and Kamal Kishor	International Conference on Advanced Materials and Nanotechnology (AMN-2019)	2019	978-0-7354-1879-0
27	Controlling the radiation pattern of a microstrip patch antenna using a checkerboard patterned metasurface	Nishant Shankhwar, Ritika Ranga, Yogita Kalra, and Ravindra Kumar Sinha	International Conference on Advanced Materials and Nanotechnology (AMN-2019)	2019	978-0-7354-1879-0

5.8 Centre for Advanced Production and Industrial Engineering Research

CAPIER, Centre for Advanced Production and Industrial Engineering Research, a Centre for Excellence has been established on 8 April 2015. CAPIER is known for organizing expert lectures, workshops and industry institute interactions. CAPIER invite B. Tech. & M. Tech. students for internship during summer and winter holidays.

CAPIER also organizes visit to industries for motivating the students towards advanced technology. CAPIER holds a name in the institution for supervising many good projects for B. Tech., M. Tech., and at the level of Ph. D. CAPIER also support IJAPIE, an International Journal in the Area of Production and Industrial Engineering, a peer reviewed journal with ISSN 2455 - 8419.

CAPIER initiated organising an international conference in the name of ICAPIE. The first international conference ICAPIE-2016, and was are at success. The second international conference ICAPIE '17 was arranged in partnership with many institutions and made a name of its own. The third international conference ICAPIE '18 was held during 5-6, Oct 2018 arranged at Hotel CASPIA. The proceedings of the conferences were greatly appreciated. The fourth international conference ICAPIE '19 has been planned during 20-21, Dec 2019 to be held at DITE, Delhi.

CAPIER also support faculty development programs and staff development programs. AIM-2015 and SDTSMT-2015 were conducted successfully with sponsorship of TEQIP-II. AMOM 2017 a two weeks program

was marked as best FDP by the participants. Pro-De 18 and several other one day seminar cum workshops and Internships were organized.

Industry Institution Interactions were held regularly. A talk on ROBO and practice of Robotics and Automation was organized. CAPIER at Delhi Technological University is getting good name and growing with experienced faculty and budding researchers.

VISION

To be centre for excellence in the area of production and industrial engineering, playing its role in preparing technical teachers and students for future requirements at national and global level.

MISSION

- Faculty Development
- Skill Development
- Entrepreneurship Development
- Research and Publications
- Industry- Institute Interaction

AREA OF RESEARCH

- Materials
- Design
- Production Process
- Manufacturing
- Mechatronics
- CAD/CAM/CIM
- FMS/Automation
- Lean Manufacturing
- Optimizing Techniques

- Quality Control
- Production/Operation Management
- Supply Chain Management
- Project Management
- Financial Management
- Production Economics
- Electronics in Manufacturing
- Power Skills in Manufacturing
- Software Security and Management
- Small Scale Industries Management

OUR TEAM

PRINCIPAL COORDINATOR:

Dr. Ranganath M. Singari

ADVISORY MEMBERS: Dr. S. K. Garg Dr. R. S. Mishra Dr. Vipin Dr. R. C. Singh Dr. Rajiv Chaudhary	FACULTY COORDINATORS: Dr. Qasim Murtaza Dr. N. Yuvraj	RESEARCH COORDINATORS: Mr. Shadab Ahmad Mr. Ravi Butola Mr. Md Jamil Akhtar	RESEARCH CO-COORDINATORS: Mr. Pradeep Moria Ms. Varsha Pathak Mr. Mohd Tayyab
STUDENT COORDINATORS: Mr. Gangesh Chawla Mr. Reetik Kaushik		STUDENT CO-COORDINATORS: Ms. Rani Medhashree Mr. Kartikeya Bector	

5.9 IPR CELL

Introduction:-

Intellectual Property Right Cell was constituted on 22.06.2017 and reconstituted on 15.02.2018 under IRD. At present, it has 01 Coordinator and 03 Co-coordinators, detailed as under:-

1. Prof. M.M. Tripathi, Coordinator, IPR Cell
2. Dr. Ram Singh, Co-coordinator, IPR Cell
3. Dr. Roli Purwar, Co-coordinator, IPR Cell
4. Dr. Anup Mandpura, Co-coordinator, IPR Cell

Summary:-

Right after constitution of IPR Cell, the IPR Policy and Open Access Policy were drafted by IPR Cell which was approved by Board of Management on 08.12.2017 and notified on 21.02.2018. The constitution of IPR standing committee and roles of above mentioned units is documented in IPR Policy 2017. IPR Policy and Open Access Policy of DTU were drafted and approved by IPR Cell.

The details of patents filed/published/granted are as under:-

Total no. of patents filed	:	03
Total no. of patents granted	:	03
Total no. of patents published	:	10

IPR Cell has done following activities during 1st August 2018 to 31st July 2019:-

1. A 15 member IPR training and application screening committee has been formed with the approval of the Competent Authority to provide regular training to DTU faculties and students to create awareness about IPR in the University.
2. Organized following training workshop/ awareness Programme on IPR and patent filing:-
 - iii) One day workshop on awareness programme on Intellectual Property Right and patent filing on 23rd October 2018, attended by 100 participants.
 - iv) Five days workshop on Advance Pedagogy, IPR, Sponsored Research and Entrepreneurship for faculty members of DTU from 16th to 20th July 2019 to prepare a workforce for training of faculty and students of DTU on IPR and patent filing, attended by 40 participants.

The details of patent filed/published/granted in the name of DTU/Individual faculty are given as under:-

Patents (Published and granted)					
S. No.	Name of the Patenter	Patent Number	Title of the Patenter	Year of award of Patent	Whether the Patent is published or granted?
2018	Sachin Kumar Aggarwal, Kapil Sharma	US 2018/0331738 A 1	Beam forming method for a transmitting antenna and a device thereof	Nov. 2018	Published
	Sachin Kumar Aggarwal, Kapil Sharma	US/2019/0068264 A 1	Method and device for performing beam forming	Feb. 2019	Published
	Sachin Kumar Aggarwal, Kapil Sharma	US 2018/0254811 A 1	Beam forming method of a transmitting antenna and a device thereof	June 2019	Granted

5.10 Multidisciplinary Centre for Geoinformatics (MCG)

A Multidisciplinary Centre for Geoinformatics (MCG), was inaugurated on 5th March, 2019 by Hon'ble Vice Chancellor Prof. Yogesh Singh, DTU with the vision to be a world class multidisciplinary centre in the field of Geospatial and Geoinformatics education, research and consultancy. Geoinformatics is described as the science and technology dealing with the structure and character of spatial information, its capture, its classification and quantification, its storage, processing, portrayal and dissemination, and it also includes the infrastructure necessary to secure optimal use of this information.



Inauguration of MCG by Hon'ble Vice Chancellor Prof. Yogesh Singh, DTU

Vision and Mission:

To be a world class multi-disciplinary Centre in the field of Geospatial and Geoinformatics education, research and consultancy. To establish the multi-disciplinary Centre

of Geoinformatics as a global Centre of eminence in the field of Geospatial and Geoinformatics education, research and consultancy. To establish partnerships and collaborations with various national and international space agencies, institutions of eminences in the field and the associated industries. To develop the Centre as a non-profit and self-sustainable Centre.

Activities

Commencement of M.Tech in Geoinformatics

A new AICTE approved M.Tech in Geoinformatics has been launched w.e.f April 2019. The intake is equally distributed amongst three groups of streams viz, CSE/IT/E&C/Electrical, Civil/Geoinformatics/Geomatics/Agriculture and Physics/Geology/Geography

Projects Completed/ in Progress

S. No.	Funding Agency	Project Title
1	DST under Networked	Detection and Identification of engineered surfaces and Objects using Hyperspectral data
2	SAC, ISRO, Ahmadabad	Mapping Impervious Surfaces from Temporal Multi-sensor Multi-resolution Data and its Area Estimation Using Super resolution
3	National Mission on Himalayan Studies (NMHS)-GBPNIHESD.	Natural and manmade disaster risk reduction cloud burst, glacial lake outburst flood (GLOF) and flash flood studies
4	DST, GOI	National Geospatial Chair Professor Scheme

Total Number of Conference Attended/ Papers Presented

National: 06

International: 02

Recent Field Work Done in 2019

Multidisciplinary Centre for Geoinformatics, DTU is working on a GLOF related project awarded to it under National Mission on Himalayan Studies. The study under the project is focused on finding the potential glacial lakes in Alaknanda River basin, Uttarakhand that may be vulnerable due to GLOF. Two JRFs, Mr Gopinadh Rongali and Ms Aayushi Pandey are working with PI, Prof KC Tiwari under this project. Identification of glacial lakes is being done using Landsat time series data and is known as inventorisation of lakes. Identification of potentially dangerous lakes is also simultaneously done. Recently, while making the inventory of vulnerable lakes, the two research fellows identified one of the possible highest dangerous glacial lake of Alaknanda basin, Uttarakhand in the western Himalaya which may also be a potential vulnerable lake for GLOF. This Glacial lake is situated at an altitude of 5584 m (Lat/ Long: 30°58'33.26" N, 79°27'33.52" E) and is possibly one of the

highest potentially dangerous lake at this altitude particularly because of Army and ITBP staying nearby. The maximum surface area of the lake as assessed from the satellite image, acquired on 16 September 2018, is approximately 0.21 sq.km². In order to validate the findings and also to ascertain various other physical parameters of the lake, a massive field work was carried out from 29 September, 2019 to 11 October, 2019 ahead of Joshimath in general area Ghastoli and Raktakona, Uttarakhand. Both the JRFs along with two students of M.Tech Geoinformatics (Mr Vishal and Mr Vivek) took part in the field work. Since the area fell along the Indo-China border, the mobilization not only required Inner Line Permit from the SDM Joshimath but also successive stages of acclimatization and support and permission of both the Indian Army and ITBP (Mana,,Ghastoli and Raktakona). The mission was accomplished successfully, the field data has been collected in the form of lake photographs, videos and soil samples. The data is being analysed and the flood modelling carried out. It is now proposed to repeat the field work again for further verification subject to clearance from Army in June 2020.



Lake as appears on satellite Image



Way to lake



Actual lake



The extent of water in Lake at 5584 m



DGPS Survey



Team members near one of the lakes

5.11 Entrepreneurship Development Centre (EDC)

Entrepreneurship development centre a centre of excellence is providing all under one roof facilities to budding entrepreneurs of the DTU east campus.

The aim of the centre is to develop institutional mechanism to create entrepreneurial culture in science and technology and to foster the entrepreneurship and knowledge enterprise development for wealth and employment creation by personals. The aim of the centre is to guide the budding students to pursue entrepreneurship as their career.

In the year 2018-19 following are the work done at EDC

1. Establishment of EDC office with full time EDC manager.
2. Incubation centre with running three incubation start-ups
3. 4 pre incubation start-ups.
4. Designing of MBA(IEV) and MBA (FBE) program
5. Started and running mentorship program with industry people
6. More than 20 workshops for budding entrepreneurs in the campus.
7. Provided marketing research facility for student entrepreneurs.

5.12 Equal Opportunity Cell

Introduction:

The Equal Opportunity Cell of DTU is set up in the year 2018 with the aim to assist and counsel the students belonging to deprived sections including the scheduled castes, scheduled tribes, women, persons with disabilities, etc. pursuing various programs of studies at the University.

Vision:

To create and sustain the environment in the university which promotes equal human values while respecting the distinct cultural identities.

Mission:

To pursue and realise social inclusion and integration of marginalized sections of Indian society including SC, ST, OBC, women and persons with disabilities (PwD) by identifying and dissuading different types of discrimination that exist in both conscious and unconscious social behaviour. It also aims to contribute for the creation of a society that is free of discrimination and prejudice, and to promote good relations and foster a vibrant human rights culture.

The main objectives of the cell are:

1. To work out suitable programs/schemes, including Remedial Courses, for improving the academic performance of students from SC, ST, OBC, women and persons with disabilities (whether at undergraduate, postgraduate, PhD or other levels) and/ or to monitor the implementation of such programs/schemes;
2. To coordinate with government and other funding agencies (including Public Sector Undertakings/ Public

Sector Banks) with a view to mobilise financial and other resources required for educational empowerment of the students from marginalized sections.

3. To disseminate the information and act as a counselling-cum-guidance centre for students belonging to the marginalized sections, especially with regard to academic, financial and social matters;
4. To help and develop a cordial interpersonal relationship among students and between teachers and the students from marginalized sections for academic interaction and extra-curricular activities; by sensitising the teaching and other staff.
5. To promote a social and psychological environment to raise awareness on sexual harassment and gender based discrimination against women.
6. To organize or conduct seminars/ symposia/ workshops/ conferences/ exhibitions/training program, etc. from time-to-time on issues of contemporary significance for empowering, educationally and culturally, students belonging to the marginalized sections.

The following are the office bearer's:

1. Prof. Rachana Garg, Professor (Elect. Engg Deptt.) Director
2. Prof. T. Vijay Kumar, Associate Professor (Civil Deptt.) Additional Director
3. Ms. Geeta Singh, Assistant Professor (Env. Engg Deptt.) Assistant Director
4. Ms. Minni Jain, Assistant Professor (CSE Deptt.) Assistant Director

Activities done so far:

- To celebrate Women's Day, a "Health Awareness Camp" was organised on 18th March 2019. It saw a participation of more than 80 women. The participants were the women faculty, students, office staff, lab staff, attendants of DTU. The lady wives of faculty members residing in DTU campus also participated in large numbers.
- An Ayurvedic doctor has been called to give advice to the participants regarding common health issues of women. Also, Bone Density Test of the participants was done and accordingly iron / calcium tablets were distributed.
- A half day workshop on "Cyber Security" was organised 9th April 2019. This workshop was an initiative of National Commission for Women (NCW) under 'Digital Shakti' campaign. In this workshop, along with the women faculty, staff and students of DTU, the women faculty and students of the nearby colleges were also invited. The program was well appreciated by the 90+ participants.
- Remedial classes for interested students of SC/ST/OBC/Women/differently abled persons / students of any category securing less than 30% marks in mid semester exam have been arranged.
- One Day workshop on "Sensitisation of University administration: Gender, Disability and Social Inclusion" on 24th July 2019. The workshop includes the topics related to making administration sensitive towards the needs, requirements and challenges of Women,

SC, ST, OBC, Differently abled students, faculty and staff members. Resource persons from National Commission for Persons with Disability, Jamia Millia Islamia and Jawahar Lal Nehru University are invited for the same.

- Organised a motivational lecture by Mr. Rishi Ranjan on 1st November 2019.
- A Self Defence Training Programme, in collaboration with Delhi Police, has been organized on 4th November 2019. The objective of training program is to empower women and their capacity enhancement.



6 Alumni Affairs

Alumni office:

Prof. Pravir Kumar, Dean Alumni Affairs

Under the esteemed leadership of Prof. Yogesh Singh, Hon'ble Vice chancellor of DTU; the main aim of alumni office is to closely in touch with alumni to understand how to engage the alumni network and job market in the benefit of our current students and at large the University and nation. Furthermore, alumni affairs office, DTU is a connecting link between alumni activities and DTU. DTU office of alumni affairs is also taking active participation in the alumni associations meet, arranging annual meet of golden and silver jubilee events, sponsorship programme for B.Tech, M.Tech. and PhD students. Another work of this office is to enable alumni to understand the need of their alma mater in terms of sponsorship and infrastructure development. Furthermore, Alumni affairs office is also updating the activities of alumni portal at DTU web page. In order to strengthen the alumni and to better connect with such a diverged flag bearers of the University, we are establishing many outreach efforts, for instance, over the years we have developed many databases, alumni affairs website, Facebook, LinkedIn and WhatsApp groups. Currently, we have American, European, Singapore, Middle East groups apart from national/local chapters of Bangalore, Delhi and Hyderabad. The outcome of our alumni accomplishments routinely published in the university news bulletin "DTU times". Our DCE DTU alumni association is very strong and active in arranging yearly Silver and Golden Jubilee alumni meet. After, that

overseas chapter meets, several alumni visited their alma mater and many new initiatives have been started. Further, it also encouraged many alumni to donate/ contribute funds for the development of their alma mater. Our prestigious alumni "Shri Vinod Dham, Dr. Durga Das Agarwal, Ashok Nangia and many more have contributed thousands of Dollars to DTU. This was culminating with a biggest ever donation by our illustrious Indian American philanthropist Dr. Rajesh Kumar Soin Alias Raj Soin (1959 batch of DCE) to DTU. He has signed a MoU and provided Rs. 5 crores for the construction of Multipurpose hall now renamed "Raj soin Hall." The first instalment of around 2.6 crores has been sent by Dr. Raj Soin to DTU. Recently with the initiative of our alum 2002 batch Dr. Hitesh Handa and Prof. Pravir Kumar, MoU agreement has been signed between University of Georgia, Athens and DTU. In addition to that, DTU alumni office has started providing alumni card to pass out DTU students, Souvenir shop, lecture series, close interaction with DCE DTU association headed by IPS officer and renowned educationist Dr. Muktesh Chander, DGP of Goa. For the first-time, DTU has organized; homecoming meets for Diamond (1959 batch) and Golden Jubilee (1969) batches on February 8th-9th February, 2019 to recognize our alumni. Under the dynamic leadership of our hon'ble Vice chancellor Prof. Yogesh Singh, alumni office is bound to provide a nostalgic interaction with all alumni, creation of opportunity for internship, fund-raising for infrastructure development, seminar series and workshop.

Grants for research projects sponsored by the non-government sources such as industry, corporate houses, international bodies, endowments, Chairs in the institution

S. No.	Name of the Funding Agency	Year of Award	Funds Provided	Duration of the Project
1	Suraaj & Prem Bhatia Scholarship for excellence in Mechanical Engineering	2019 onward	\$22,000/-	Forever
2	Rajeshwari Garg Memorial Gold Medal Award for excellence in Environmental Engineering	2019 onward	\$5,00,000/-	Forever
3	Prof. D. Yogi Goswami & Mrs. Karuna Goswami Establishment of Centre on Clean Energy at DTU	2019	\$100,000/-	Establishment of a centre

Alumni contributions

S. No.	Name of the Alumnus/Alumni Association	Year of Graduation	Year of Contribution	Quantum of Contribution
1	Dr. Durga Das Agrawal	1967	2012-2018	₹66,00,000/-
2	Dr. Raj Soan	1969	2018	₹5,00,00,000/-
3	Shri Vijay Nangia	1959	2018	₹3,50,000/- (Approx)
4	1959 DP Alumni Batch	1959	2018	₹21,00,000/- (Approx)
5	Shri Ashok Puri	1969	2019	₹2,00,000/-
6	Shri M. L. Gehlani	1969	2019	₹1,00,000/-
7	INDO Count Foundation through Shri D. P. Garg	1969	2019	₹5,00,000/-
8	Shri Jaigopal Gupta	1969	2019	₹1,00,000/-
9	Shri Suraaj Bhatia and Shri Prem Bhatia	1969	2019	₹15,50,000/- (Approx)
10	Shri Kulwant Sobti	1969	2019	₹51,000/-
11	Shri V. K. Jain	1969	2019	₹11,000/-
12	Prof. D. Yogi Goswami	1969	2019	₹70,00,000/- (Approx)
13	Shri Santosh Kumar Garg	1969	2019	₹5,00,000/-

Alumni Association /Chapters meetings

S. No.	Name of Meetings	Dates	No. of Members attended	Total no. of Alumni enrolled
1	Bangalore DTU chapter Meet	28.12.2018	20	20
2	Homecoming meet for Golden and Diamond Jubilee Batches	08.02.2019-09.02.2019	150	150
3	Annual DCE DTU Meet at Delhi	16.03.2019	500	500
4	Alumni Visit of 1974 batch	29.07.2019	40	40



7 Outreach and Extension Activities

Board of Management in its 27th meeting on 23.2.2018 has approved the establishment of Center for Extension and Field Outreach at DTU. The role of the center is to extend knowledge and other institutional resources to the community and vice-versa and to gain insights from a contact between knowledge resources and socio-cultural realities with a view to reflecting these in the entire curricular system of higher education including teaching and research. It will be a two-way process between the experts and the people, an intellectual intervention in the community's living problems which need to be overcome through an educational process. It was to be that education which helped students to face life and its challenges and which created an ambience for a learning society.

AIM:

To promote a meaningful and sustained rapport between the University and the community.

OBJECTIVE:

1. To extend knowledge and other institutional resources to the community and vice-versa.

2. To gain insights from a contact between knowledge resources and socio cultural realities with a view to reflecting these in the entire curriculum system of higher education including teaching and research.
3. To provide two-way process between the experts and the people.
4. To provide an intellectual intervention in the community's live problems.
5. To promote the philosophy of extension and outreach as a part of total education program.
6. To reach out to larger section of community specially deprived groups through extension.
7. To enrich the learning process of faculty and students mainly through extension activities.
8. The interest of the students should be considered for academics credit (1 or 2) in addition to or as a part of their regular course of studies.

Broad categories of Program:

1. Services to Schools and Colleges
2. Services to the Community
3. Services in the University Campus

8 International Affairs

The International Affairs branch, DTU has been assigned the responsibility of enhancing international research and academic collaboration, faculty and student exchange programs, establishing networking with reputed institutions, creating opportunity for our own faculty and students through creation of meaningful MoUs, admission of foreign students and establishing brand DTU globally to name a few. The IA branch promote relationship between Foreign Universities/ Institution through signing of Memoranda of Understanding (MoUs) related to Faculty and student exchange programme and providing an opportunity to the foreign national students for study in DTU under UG/PG and Ph. D. programmes. The IA

branch is connected with the various Foreign Embassies and consulates in India to increase educational relationship between the DTU and foreign Universities.

Prof. Vishal Verma, Dean International Affairs

Prof. Vivek Tripathi, Asstt. Registrar

The IA branch is connected with the various Foreign Embassies and consulates in India to increase educational relationship between the DTU and foreign Universities. The IA branch is also participating in the various education fairs organized by the Edcil, MHRD, Ministry of External affairs and Indian embassies in the respective countries to increase the foreign national student's admissions.

Details of program organized for DTU International Students

S. No	Program	Duration
1	Additional remedial classes for foreign national students	27 th April, 2019 – 5 th May, 2019
2	Bridge course classes for foreign national students	4 th Sept. 2018 – 3 th Nov., 2018
3	Summer semester for foreign national students	24 th June, 2019 – 31 st July, 2019
4	English speaking classes for foreign national students	Jan 2019 – May 2019

Details of program organized by Department of International Affairs:

S. No	Program	Details of the Program	Date
1	Visit to Embassy of France	Signing of MOU	19 th February, 2019
2	Education USA - U.S. University Fair 2018	Delegation of around 12 to 15 U.S Universities. Accurate, comprehensive and timely information for higher education in the United States	31 st August, 2019
3	Visits to various Embassies in Delhi by members of Office of International Affairs	For promotion and branding of DTU	

Visit of International Universities in DTU

S. No.	Name of the Visitor	Name of the University	Date
1	Dr. Raghu Santanam	Arizona State University	14 th September, 2018
2	Dr. Nicholas Howden	University of Bristol	28 th Nov, 2018
3	Prof. B.V.R Chowdari	Nanyang Technological University	07 th Dec, 2018
4	Mr. Ruel Reid	Hon`ble Minister for Education, Youth and Information, Government of Jamaica	11 th Dec, 2018
5	Mr. Sylvester Turner,	Mayor of Houston	13 th Dec, 2018
6	Delegation from University from Palestine	Palestine	19 th Dec, 2018
7	Prof. Metin Akay	University of Houston	20 th Dec, 2018
8	Prof. John H.T Luong,	University College, Cork, Ireland	1 st Feb, 2019 – 30 th April, 2019
9	Prof. Danielle Andreu	INP ENSEEIHT	Feb, 2019
10	Dr. Diya Dutt, Deputy Director, USIEF and Ms. Pratibha Nair, Program Coordinator	United States-India Education Foundation (USIEF), Fullbright Commission in India for conduction of Fullbright outreach program	27 th Feb, 2019
11	Prof. Assad A. Oberai	University of Southern California	22 nd , May, 2019

PHOTO GALLERY



MoUs

S. No.	Number of functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc. during 2018-19				
	Organization with which MoU is signed	Name of the institution/ industry/ corporate house	Year of signing MoU	Duration	List the actual activities under each MoU year wise
1	Tashkent University of Information Technologies named after Muhammad Al-Khwarizmi, Uzbekistan.		2018	5 years	Knowledge sharing
2	The Board of Regents of the University System of Georgia	The University of Georgia, Athens, Georgia, U.S.A	2018	5 years	Knowledge sharing
3	Nanyang Technological University, Singapore		2018	5 years	Internship programme
4	EPF, ÈCOLE D INGÈNIEUR – E – S, France*		2019	5 years	

*In Process

9 Internal Quality Assurance Cell

The Delhi Technological University has emerged as one of the premier Technological institutions of our great country with state of the art facilities, world class education, training, research and consultancy in the arena of engineering and technology, applied science and management and has become fully networked with industries on one hand and the academic and scientific community in the world on the other. As an internal mechanism for sustenance, assurance and enhancement of the quality culture of education, Delhi Technological University (DTU) has established the Internal Quality Assurance Cell (IQAC) for maintaining the momentum of quality consciousness.

DTU-IQAC, in fact, is conceived as a mechanism to build and ensure a quality culture at the University level to meet the diverse needs of the stakeholders. The DTU-IQAC is meant for planning, guiding and monitoring Quality Assurance and Quality Enhancement activities of the University. The IQAC channelizes and systematizes the efforts and measures of the University towards academic excellence and is a facilitative and participative organ of the University.

The DTU-IQAC is a driving force for ushering in quality by working out intervention strategies to remove deficiencies and enhance qualities.

Present structure of IQAC from 23rd April 2018

- Chairperson: Prof. Yogesh Singh, Hon'ble Vice Chancellor, DTU
- Members: Prof. S.K. Garg, Pro Vice Chancellor (I)

Prof. Anu Singh Lather, Vice Chancellor, Ambedhkar University, Delhi

Prof. Madhusudan Singh, Dean, Academic (UG)

Prof. H.C. Taneja, Dean, Academic (PG)

Prof. A. Trivedi, Dean (IRD)

Prof. Nirendra Dev, HoD (Civil Engineering)

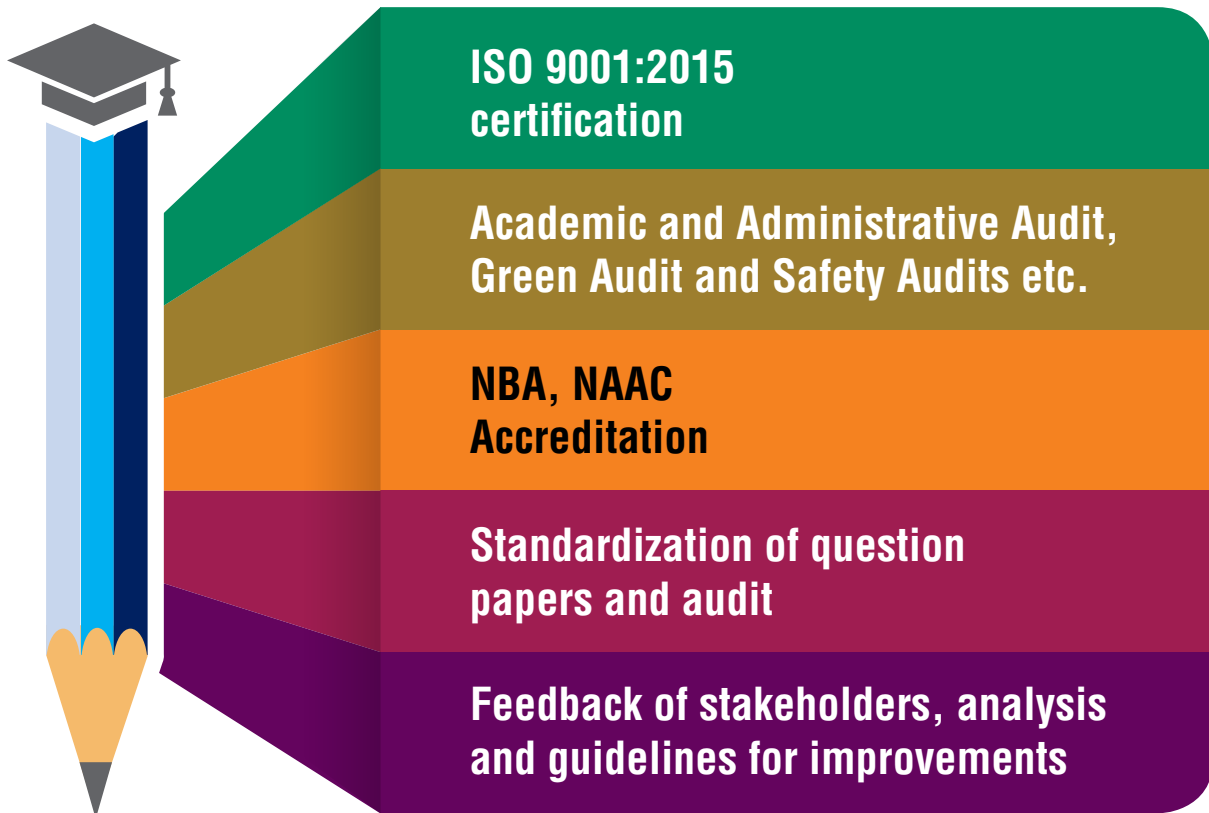
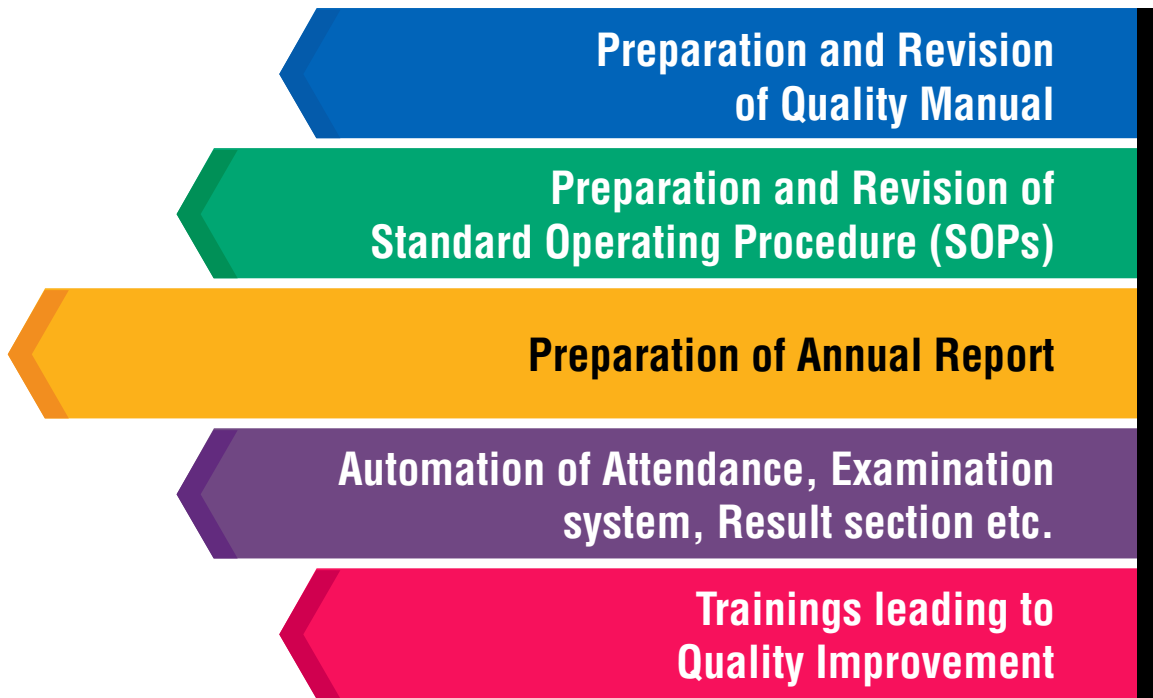
Prof. Neeta Pandey, Department of Electronics and Communication Engineering

Prof. V.K. Minocha, Department of Civil Engineering

Prof. Samsheer, Registrar

- External Experts: Prof. S.G. Deshmukh, Director IITM Gwalior
Sh. Sanjeev Kumar Gupta, MD (Corporate Affairs), Accenture
Sh. Arun Gupta, Alumni
- Member Secretary: Prof. M.M. Tripathi, Director IQAC
- Special Invities: Dr. Nilam, Associate Director
Dr. Anil K. Haritash, Associate Director
Dr. Rajesh Kr. Yadav, Associate Director
Sh. Kamal Pathak, Controller of Examination
Sh. D.P. Dwivedi, Consultant (Finance and Planning)

Activities under IQAC



Decisions of regular IQAC meetings

Benchmark of classes to be engaged

Benchmark of Test/Quiz/ Assignments etc

Feedback forms

Student Data Base

Annual Report/Annual Quality Assurance Report (AQAR)

IQAC Workshop

Departmental Co-ordinator for IQAC

Website of IQAC (www.iqacdtu.in)

Trainings Organized by IQAC

- Training for preparation of SOPs by IIQM Jaipur.
- Training for internal auditors for academic and administrative audits by IIQM, Jaipur.
- Training on NAAC and NBA by ESCI Hyderabad.
- Training on Intellectual Property Rights by RGNIPM, Nagpur.
- Training on Patent Filing by Indian Patent Office.

Feedback Collection and Analysis



- Feedback is collected from Students before End Semester Examination in each Semester.
- Feedback is collected from Teachers, Alumni and parents Yearly.
- Student Satisfaction Survey is Conducted Regularly.
- Collected Feedback/Survey is analyzed and action is taken.

IQAC is committed to accomplish University's Strategic Plan 2019-30

- Participation of University in QS Asia and NIRF Ranking.
- Safety Audit, Green Audit, IT Audit, ERP Audit.
- Collection of Online Monthly Report from Departments/Sections/Divisions.
- Creation of Centralized Database.
- NBA Accreditation of 10 Departments.
- NABL Accreditation of Laboratories.
- Content Development for ICT Enabled Learning.
- Training of Faculty on Communication and Behavioral Skills, e-learning, Best Teaching Practices, Research Project Writing and e-Waste Management.
- Organizing Workshop on Outcome Based Education, Ranking Systems, Green Practices.

10 TEQIP-III Project

Brief Introduction and Objective

1. Delhi Technological University has been selected as Mentor Institute for the TEQIP-III Project for Mentee Institute is Madhav Institute of Technology and Science, Gwalior is w.e.f. 01.04.2017 and shall conclude by 30th September, 2020.
2. The institute is covered under Sub-component 1.3: Twinning Arrangements to Build Capacity and Improve Performance.
3. The main objectives of TEQIP-III Project at DTU are:
 - a) Improving quality and equity in engineering institutions in focus states viz. 7 Low Income States (LIS1), eight states in the North-East of India, three Hill states viz. Himachal Pradesh, Jammu & Kashmir, Uttara khand and Andaman and Nicobar Islands (a union territory (UT),
 - b) System-level initiatives to strengthen sector governance and performance which include widening the scope of Affiliating Technical Universities (ATUs) to improve their policy, academic and management practices towards affiliated institutions, and
 - c) Twinning Arrangements to Build Capacity and Improve Performance of institutions and ATUs participating in focus states.
4. The Competent Authority of the University is assign the responsibility to following faculty/officer for execution of TEQIP-III Project from August 1 2017:
 - i. Prof. Vikas Rastogi, Coordinator
 - ii. Prof. Raj Kumar Singh, Nodal Officer (Academic)
 - iii. Prof. Amit Kumar Shri vastava, Nodal Officer (Procurement)
 - iv. Sh. Nand Kishore, Nodal Officer (Finance)
5. The Memorandum of Understanding (MoU) has been signed between State Govt. of NCT Delhi & DTU and the MoU has been submitted to MHRD.

Meetings/Training:

1. Mr. Brajesh Kumar (MIS Operator) has attended one day training workshop on “Web-Based Academic MIS” on 29th March, 2019 at NIT Kurukshetra conducted by NPIU.
2. Prof. Amit Kumar Srivastava, Nodal Officer (Procurement) has attended two days training on “New Web based Procurement Management Support System (PMSS)” at Punjab Engineering College, Chandigarh on 27th & 28th February, 2019 conducted by NPIU.
3. Prof. Vikas Rastogi (Coordinator) & Prof. Rachna Garg (Coordinator-EAP) have attended Two days National Conference on Equity: Achievements and Challenges in India during March 15-16, 2019 at Auditorium of College of Engineering, Pune, Maharashtra.
4. Prof. Raj Kumar Singh, Nodal Officer (Academics) has attended International conference on Digital Pedagogy on April 1-2, 2019 at AICTE Auditorium, New Delhi conducted by MHRD, AICTE, World Bank, NPIU, Deptt. of Education of West Bangal and MAK University of Technology, Kolkata.

Finance Details:

- Indicative Category-wise Funding for Key Activities under Sub-component 1.3 under TEQIP-III Project.

S. No.	Activities	Category of Expenditure (Head of expenditure)	Percentage (%)	Cost (Rs. in crore)
1.	Procurement of Goods (equipment, furniture, books, LRs, software and minor items) and minor civil works for improvement in teaching, training and learning facilities	Procurement	Upto 50%	3.50
2.	Improvement in Teaching, Learning and Research competence' <ul style="list-style-type: none"> • Improve student learning • Student employability • Increasing faculty productivity and motivation • Establishing a twinning system <ul style="list-style-type: none"> • Twining arrangements with institutions under Sub-component 1.1 to build capacity and improved performance • Individual institutional mentors 	Academic	At least 40%	2.80
3.	Incremental Operating Cost	IOC	Upto 10%	0.70
Total			100%	7.00

International Conferences within India

The following Ten (10) International Conferences within India have been attended & presented research papers by the faculty members with financial support from TEQIP-III Project:

- Prof. H.C. Taneja, Professor, Applied Mathematics Department has presented the paper in International Conference on “Science: Emerging scenario & Future Challenges” (SESFC-2018) at NIT, Hamirpur, Himachal Pradesh during September 8 – 9, 2018.
- Dr. Rajeev Kumar Mishra, Assistant Professor, Environmental Engineering Department has presented the paper in 3rd National Conference on “Recent Advances Traffic Engineering” (RATE-2018) at SVNIT Surat, Gujarat during August 11 – 12, 2018.
- Ms. Kusum Lata, Assistant Professor, CSE Deptt. has presented the paper in International Conference on “Reliability, Infocom Technologies and Optimization” at Amity University, Noida, UP during August 29-31, 2018.
- Prof. Alka Singh, Professor, EED has presented the paper in 2nd IEEE International Conference on “Power Electronics, Intelligent Control and Energy Systems” (ICPEICES-2018) at DTU during October 22-24, 2018.
- Dr. Vinod Kumar Yadav, Associate Professor, EED has presented the paper in IEEE “Power Electronics, Drives and Energy Systems Conference-2018” at

- IIT Madras, Chennai, Tamil Nadu during December 18-21, 2018.
6. Prof. Vishal Verma, Dean Intl Affairs & Professor, EED has presented the paper IEEE “Power Electronics, Drives and Energy Systems Conference-2018” at IIT Madras, Chennai, Tamil Nadu during December 18-21, 2018.
 7. Prof. Vijay Gautam, Professor, MED has presented the paper in 7th International 28th All India Manufacturing Technology, Design and Research Conference 2018 (AIMTDr. 2018) at Anna University, Chennai, Tamil Nadu during December 13 to 15, 2018.
 8. Dr. Rajeev Kumar Mishra, Assistant Professor, Environmental Engg. Deptt. has presented the paper in International Conference on “Sustainable Solutions in Industrial Pollution, Water and Wastewater Treatment” during November 10-11, 2018 at Aligarh Muslim University, Aligarh.
 9. Dr. Seba Susan, Associate professor, IT Deptt. has presented the paper in 4th International Conference on “Computing, Communication and Automation” (ICCCA-2018) during December 14 to 15, 2018 at Galgotias University, Noida.
 10. Mr. Ravi Butola, Assistant Professor, MED has presented the paper in 2nd International Conference on “Computational Methods in Manufacturing” (ICMCM-2019) during March 8-9, 2019 at IIT Guwahati.

International Internship Program:

1. Four students from Delhi Technological University have been selected for 2018 Globalink Research Internship under Student Research Mobility programme with Mitacs, CANADA, sponsored by TEQIP-III Project. The following four students have been selected which details are as under:

S. No.	Student's Name	University	Project Title	Department	Departure	Arrival
1	Mr. Tejhas Kapoor	University of Winnipeg-Winnipeg	Black Hole Formation in AdS Spacetime	ECE Deptt.	27.05.2018	22.08.2018
2	Mr. Rachit Gupta	École de technologies upérieure-Montréal	CFD prediction of aircraft performance degradation due to icing	Civil Engg. Deptt.	02.06.2018	26.08.2018
3	Mr. Alankrit Tomar	Université Laval – Québec City	Innovative Optical fibers for multifunctional applications in photonics	Applied Physics Deptt.	25.05.2018	21.08.2018
	Mr. Rishi Aneja University of Ontario Institute of Technology – Oshawa		Operations research in Marketing and supply chain management_2017	Applied Physics Deptt.	25.05.2018	19.08.2018

2. Six students from Delhi Technological University have selected for 2019 Globalink Research Internship under Student Research Mobility programme with Mitacs, CANADA, during 12 weeks

i.e. May to August, 2019 sponsored by TEQIP-III Project. The following six students have been selected which details are as under:

S. No.	Student's Name	Department	Departure	Arrival
1	Mr. Rachit Goel	Applied Chemistry Deptt.	25.05.2019	18.08.2019
2	Ms. Kashvi Srivastava	Applied Mathematics Deptt.	28.05.2019	27.08.2018
3	Mr. Siddharth Basu	Computer Science & Engg. Deptt.	23.05.2019	02.08.2019
4	Ms. Ashima Suvarna	Computer Engg. Deptt.	26.05.2019	22.08.2019
5	Mr. Saksham Gupta	Applied Mathematics Deptt.	24.05.2019	04.08.2019
6	Mr. Tejas Agarwal	Electrical Engg. Deptt.	24.05.2019	08.08.2019

Equity Actions: Conferences within India for students

The following International Conferences within India have been attended & presented research paper by the students with financial support from TEQIP-III Project:

1. Mr. Anant Bhardwaj who is a student of M. Tech., MED has presented paper in 1st International Conference on "Future Learning Aspects of Mechanical Engineering" (FLAME-2018) at Amity University, Noida, UP during October 3 – 5, 2018.
2. Mr. Siddharth Gupta & Mr. Gunjar Ahuja who are students of B. Tech., MED have presented paper in IEEE 2018 7th International Conference on "Reliability, Infocom Technologies and Optimization" (ICRITO' 2018) at Amity University, Noida, UP during August 29 – 31, 2018.
3. Ms. Monika Verma & Imran Ahmad Quadri who are Ph.D Research Scholars, EED has presented paper in 2nd IEEE International Conference on "Power Electronics, Intelligent Control and Energy Systems" (ICPEICES-2018) at Delhi Technological University during October 22 – 24, 2018.
4. Mr. Aditya Verma & Ms. Manpreet Kaur who are students of B. Tech., EED has presented paper in 2nd IEEE International Conference on "Power Electronics, Intelligent Control and Energy Systems" (ICPEICES-2018) at Delhi Technological University during October 22 – 24, 2018.
5. Mr. Jaspreet Singh who is a student of M. Tech., EED has presented paper in 2nd IEEE International Conference on "Power Electronics, Intelligent Control and Energy Systems" (ICPEICES-2018) at Delhi Technological University during October 22 – 24, 2018.
6. Mr. Karthik Krishna R who is a student of B. Tech., CSE Deptt. Has presented paper in International Symposium on "Atmospheric Pollution: Science, Technology, Innovation & Compliance" at NIT Calicut during August 7-11, 2018.
7. Ms. Aparna Bhutani who is a student of M. Tech., IT Deptt. Has presented the paper in 18th International Conference on "Intelligent Systems Design and Applications" during December 6 – 8, 2018 at Vellore Institute of Technology, Vellore, Tamil Nadu.

8. Mr. Amitesh who is a student of M. Tech., IT Deptt. Has presented the paper in 18th International Conference on “Intelligent Systems Design and Applications” during December 6 – 8, 2018 at Vellore Institute of Technology, Vellore, Tamil Nadu.
9. Ms. Srishti Vashishtha who is a Ph.D scholar, IT Deptt. Has presented the paper in 9th International Conference on “Innovations in Bio-Inspired Computing and Applications” (IBICA-2018) during December 17 – 19, 2018 at Kochi.
10. Mr. Vikas who is a student of M. Tech., MED has presented the paper in 3rd International Conference on “Advanced Production and Industrial Engineering” (ICAPIE-2018) at New Delhi during October 5 – 6, 2018.
11. Mr. Nitin Ruhela who is a student of M. Tech., Med has presented the paper in 3rd International Conference on “Advanced Production and Industrial Engineering” (ICAPIE-2018) at New Delhi during October 5 – 6, 2018.
12. Mr. Ayush who is a student of M. Tech., EED has presented the paper in 3rd International Conference on “Intelligent Communication, Control and Devices” (ICICCD-2018) during December 21 – 22, 2018 at University of Petroleum and Energy Studies (UPES), Dehradun.
13. Mr. Daksh Dobhal who is a student of B. Tech., EED has presented the paper in 3rd International Conference on “Intelligent Communication, Control and Devices” (ICICCD-2018) during December 21 – 22, 2018 at University of Petroleum and Energy Studies (UPES), Dehradun.
14. Mr. Sanjay Sundriyal who is a Ph.D scholar, MED has presented the paper in 7th International 28th All India Manufacturing Technology, Design and Research Conference 2018 (AIMTDr. 2018) during December 13 - 15, 2018 at Anna University, Chennai, Tamil Nadu.
15. Mr. Sachin Jaisar who is a student of B. Tech., MED has presented the paper in XXII Annual International Conference of the Society of Operations Management (SOM 2018) during December 20 – 22, 2018 at IIM Kozhikode.
16. Mr. Jyotdeep Singh who is a student of B. Tech., MED has presented the paper in XXII Annual International Conference of the Society of Operations Management (SOM 2018) during December 20 – 22, 2018 at IIM Kozhikode.
17. Mr. Animesh Verma who is a student of B. Tech., AP Deptt. Has presented the paper in 6th International Conference on Luminescence and its Applications” (ICLA-2019) during January 7 – 10, 2019 at Pandit Deendayal Upadhyay Auditorium, Raipur, Chattisgarh.
18. Ms. Pratima, Ph.D scholar, CSE Deptt. has attended one day workshop on “Artificial Intelligence for Governance” on February 13, 2019 at National Productivity Council, Lodi Road, New Delhi (without financial assistance).
19. Mr. Hitesh Nirwan Ph.D scholar, CSE Deptt. has attended one day workshop on “Artificial Intelligence for Governance” on February 13, 2019 at National Productivity Council, Lodi Road, New Delhi (without financial assistance).
20. Ms. Harpreet Kaur who is a Ph.D scholar, Applied Physics Deptt. has presented the paper in International Conference on “Advanced Functional Materials and Devices” (ICAFMD-2019)

- during February 26 – 28, 2019 at NIT Warangal.
21. Ms. Sumandeep Kaur who is a Ph.D scholar, Applied Physics Deptt. has presented the paper in International Conference on “Advanced Functional Materials and Devices” (ICAFMD-2019) during February 26 – 28, 2019 at NIT Warangal.
 22. Mr. Owais Jalil, Ph.D scholar, Applied Chemistry Department has presented the paper in International Conference on “Advanced Materials” (ICAM-2019) during March 6 – 7, 2019 at Jamia Millia Islamia University, New Delhi.
 23. Mr. Sagar, M. Tech. student, IT Deptt. has presented the paper in 6th International Conference on “Signal Processing & Integrated Networks” (SPIN-2019) during March 7 – 8, 2019 at Amity University, Noida.
 24. Ms. Shradha Jaiswal, M. Tech. student, IT Deptt. has presented the paper in 6th International Conference on “Signal Processing & Integrated Networks” (SPIN-2019) during March 7 – 8, 2019 at Amity University, Noida.
 25. Mr. Rakesh Kumar, Ph.D scholar, Mechanical Engg. Deptt. has presented the paper in 2nd International Conference on “Computational Methods in Manufacturing” (ICMM 2019) during March 8 – 9, 2019 at IIT Guwahati.
 26. Mr. Subhajit Konar, M. Tech. student, Mechanical Engg. Deptt. has attended the 2nd International Conference on “Computational Methods in Manufacturing” (ICMM 2019) during March 8 – 9, 2019 at IIT Guwahati.
 27. Ms. Shagun Banga, Ph.D Scholar, Applied Mathematics Deptt. has presented the paper in 22nd Ramanujan Symposium National Conference on “Pure and Applied Mathematics” during March 06 – 08, 2019 at Ramanujan Institute for Advanced Study in Mathematics, University of Madras, Chennai.
 28. Ms. Priyanka Goel, Ph.D Scholar, Applied Mathematics Deptt. has presented the paper in 22nd Ramanujan Symposium National Conference on “Pure and Applied Mathematics” during March 06 – 08, 2019 at Ramanujan Institute for Advanced Study in Mathematics, University of Madras, Chennai.
 29. Ms. Ruchi Holker, Ph.D Scholar, IT Deptt. has presented the paper in 1st International Conference on “Machine Learning, Image Processing, Network Security and Data Science” (MIND-2019) during March 03 – 04, 2019 at NIT Kurukshetra.
 30. Ms. Agniva Goswami, M. Tech. student, IT Deptt. has presented the paper in 6th International Conference on “Signal Processing and Integrated Networks” (SPIN-2019) during March 07 – 08, 2019 at Amity University.
 31. Ms. Yamini Arora, M. Tech. student, IT Deptt. has presented the paper in IEEE 2019 5th International Conference on “Advanced Computing & Communication Systems” (ICACCS-2019) during March 15 – 16, 2019 at Coimbatore, Tamil Nadu.
 32. Mr. Ankit Tyagi, Ph.D scholar, Mechanical Engg. Deptt. has presented the paper in 1st National Conference on “Advances in Mechanical Engineering - 2019” (NCAME-2019) on March 16, 2019 at NIT, Delhi.
 33. Mr. Dushyant Mishra, Ph.D scholar,

Mechanical Engg. Deptt. has attended the International Workshop on “Energy, Power and Environment-2019” (IWEPE-2019) during March 17-19, 2019 at NIT, Kurukshetra.

34. Mr. Hritik Dahiya, B. Tech. student, CSE Deptt. has presented the paper in IEEE 4th International Conference on “Internet of Things: Smart Innovation and Usages” (IoT-SIU 2019) during April 18-19, 2019 at Krishna Engineering College, Ghaziabad, UP.
35. Ms. Diksha Gautam, M. Tech. student, CSE Deptt. has presented the paper in IEEE 2019 5th International Conference on “Advanced Computing & Communication Systems” (ICACCS-2019) during March 15 – 16, 2019 at Coimbatore, Tamil Nadu.
36. Mr. B.N. Deepankan, M. Tech. student, IT Deptt. has presented the paper in International Conference on “ISMAC in Computational Vision and Bio-Engineering” (ISMAC-CVB-2019) during March 13 – 14, 2019 at Vivekananda College of Technology for Women, Tamil Nadu.
37. Mr. Utkarsh Tyagi, B. Tech. student, CSE Deptt. has presented the paper in 3rd International Conference on “Advances in Computing and Data Sciences” (ICACDS-2019) during April 12-13, 2019 at Inderprastha Engineering College, Ghaziabad, UP.
38. Mr. Aseem Dubey, M. Tech. student, IT Deptt. has presented the paper in 2nd International Conference on “Computational & Experimental Methods in Mechanical Engineering” (ICCEMME-2019) during May 3 – 5, 2019 at G.L. Bajaj Institute of Technology and Management, Greater Noida, UP.
39. Mr. Amitesh, M. Tech. student, IT Deptt. has presented the paper in International Conference on “Artificial Intelligence and Data Engineering-2019” (AIDE-2019) during May 23 – 24, 2019 at N.M.A.M Institute of Technology, Nitte, Karnataka.
40. Mr. Sanjay Sundriyal, Ph.D Scholar, MED has presented the paper in 2nd International Conference on Computational & Experimental Methods in Mechanical Engineering (ICCEMME-2019) during May 3 – 5, 2019 at G.L. Bajaj Institute of Technology and Management, Greater Noida, UP.
41. Mr. Anurag Shukla, B. Tech. student, MED has presented the paper in International Conference on “Recent Advances in Materials & Manufacturing Technologies” (ICRAMMT-2018) during November 19-20, 2018 at Hyderabad.
42. Mr. Deepak Kumar, Ph.D scholar, MED has presented the paper in 6th International Conference on “Production & Industrial Engineering” (CPIE-2019) during June 8 – 10, 2019 at NIT Jalandhar, Punjab.
43. Mr. Arnub Mishra, B. Tech. student, MED has presented the paper in 6th International Conference on “Production & Industrial Engineering” (CPIE-2019) during June 8 – 10, 2019 at NIT Jalandhar, Punjab.
44. Mr. Aakash D Bansal, Ph.D scholar, MED has presented the paper in 6th International Conference on “Production & Industrial Engineering” (CPIE-2019) during June 8 – 10, 2019 at NIT Jalandhar, Punjab.
45. Ms. Farhin Bano, M. Tech. student, IT Deptt. has presented the paper in International Conference on “Advances in Electronics, Electrical & Computational” (ICAEEC-2019)

during 31st May to 1st June, 2019 at IIIT, Allahabad.

46. Ms. Nikita Jain, Ph.D scholar, Applied Physics Deptt. has attended the workshop on “Advanced Lithography and Device Fabrication: From Basics to Contemporary Methods” during June 25 – July 2, 2019 at IIT, Mandi, HP.
47. Ms. Deepakshi Jain, M. Tech. student, IT Deptt. has presented the paper in 10th International Conference on “Computing, Communication and Networking Technology” (ICCCNT-2019) during July 6 – 8, 2019 at IIT, Kanpur.
48. Ms. Vidhu Tanwar, M. Tech. student, IT Deptt. has attended the “4th Summer School on Machine Learning” during July 8 – 13, 2019 at IIIT, Hyderabad.
49. Ms. Arushi Gupta, M. Tech. student, IT Deptt. has attended the “4th Summer School on Machine Learning” during July 8 – 13, 2019 at IIIT, Hyderabad.
50. Ms. Mani Wadhwa, M. Tech. student, IT Deptt. has presented the paper in International Conference on “Adaptive Computational Intelligence” (ICACI-2019) during July 18 – 19, 2019 at Mysuru, Karnataka.

Faculty Development Programme

The following Three (3) Faculty Development Programme have been organized under TEQIP-III Project:

1. One week FDP on “Recent Trends in Material Science and Engineering” during September 17 – 21, 2018 by Department of Applied Physics.
2. One week FDP on “Earthquake Resistant Design of Structures” during May 27-31, 2019 by Civil Engineering Department.

3. One week FDP on “Machine Learning for Pattern Recognition (MLPR 2019)” during June 10 – 14, 2019 by Information Technology Department.

Staff Development Programme

The following Two (2) Staff Development Programme have been organized under TEQIP-III Project:

1. One week SDP on “Soft Skill” during December 10 – 17, 2018 for Technical Staff of DTU.
2. One week SDP on “Electronic Design automation and Documentation tools” during July 22 – 26, 2019 by Electronics and Communication Engineering Department.

Short Term Training Program

The following Four (4) Short Term Training Programs have been organized under TEQIP-III Project:

1. Three days Startup Weekend Program powered by Google on 7th, 8th & 9th September 2018 by Entrepreneurship Cell, DTU.
2. A program on “Cyber Security” as part of “Digital Shakti” in collaboration with National Commission for Women on April 9, 2019 at DTU by Equal Opportunity Cell.
3. One week STTP on “Recent Trends in Security and Cryptography” during July 22 – 26, 2019 by Applied Mathematics Department.
4. One week STTP on “Recent trends in AI and Machine Learning” during 29th July to 2nd August, 2019 by Information Technology Department.

Workshop

The following Five (5) workshops have been organized under TEQIP-III Project:

1. One day International Workshop on “Networking of Technology

and Education for Sustainable Development” on 12th October, 2018 by Department of Civil Engineering.

2. One day Workshop on “Power Electronics in Smart Grid” on 3rd November, 2018 by Electrical Engineering Department.
3. Series of two days workshop for MBA, BBA, BA students during 28th to 31st January, 2019 (i.e. 28-29, 29-30 & 30-31) in the University School of Management and Entrepreneurship Department, DTU East Campus.
4. One day workshop on “Professional Excellence through Values, Meditation and Self-Management” on 26th July, 2019 by Department of Centre for Value Based Education.
5. A one day workshop on “Sensitisation of University administration: Gender, Disability and Social Inclusion” on 24th July, 2019 has been organized by Equity Opportunity Cell of DTU.

International Lecture Series

The following One (1) International Lecture series (in-house) has been organized under TEQIP-III Project:

1. Five days International Lecture series on “Bond Graph Modeling and Simulation” by Prof. Wolfgang Borutzky from Bonn-Rhein-Sieg University of Applied Sciences, Germany during October 1 – 5, 2018 in DTU.

International Conference

The following Three (3) International Conferences (in-house) have been organized under TEQIP-III Project:

1. Three days International Conference on “Recent Advances in Pure and Applied Mathematics” (ICRAPAM-2018) during October 23-25, 2018 by Department

of Applied Mathematics (for partial funding).

2. Two days 2nd International Conference on “Sustainable Technologies for Environmental Management-2019” (STEM-2019) during March 14-15, 2019 by Environmental Engineering Department.
3. Three days International Conference on “Signal processing, VLSI and Communication Engineering” (ICSPVCE-2019) during March 28 – 30, 2019 by Electronics & Communication Engineering Department (for partial funding).

Remedial Classes/lectures and other various activities for students:

1. Mr. Hussam Sadique who is a Ph.D research scholar, MED has attended a DAE-BRNS Workshop on “Laser Additive Manufacturing & Allied Technologies” (LAMAT-2k18) at Indore during October 08-12, 2018.
2. Twenty Six (26) students of B. Tech., M. Tech. & Ph.D from various departments have purchased consumable items, chemicals etc. for doing their project work.
3. Remedial classes for weaker students have been organized in the subjects e.g. Algorithm Analysis and Design (Co 208) Computer Engineering Department during July, 4-19, 2019.

Research Assistantship:

The Hon'ble Vice Chancellor, DTU has approved to give research fellowship to the Ph.D. candidates' in each academic department (imparting Engg./Tech. degree program) on semester basis who shall admit from the new session of July, 2018 through TEQIP-III Project fund.

The following students have been selected for the session of July, 2018:

S. No.	Application No.	Name of the applicant	Category	Name of the Department
1.	1820227	Ms. Garima Singh	OBC	Electronics & Communication Engg. Deptt.
2.	1821736	Mr. Sunil Kumar	Gen	Biotechnology Department
3.	1821220	Mr. Ajeet	Gen	Civil Engineering Department
4.	1820476	Ms. Chitrakshi	ST	Environmental Engineering Department
5.	1821913	Ms. Vidushi	Gen	Computer Science & Engineering Department
6.	1820454	Ms. Radha Sachan	Gen	Information Technology Department
7.	1820354	Ms. Namita Chandra	OBC	Electrical Engineering Department

Trainings and Development

- Dr. Rajni Jindal, Professor, CSE Deptt. and Prof. N.S. Raghava, Professor, ECE Deptt. have attended Professional Development Training (PDT) at IIM Shillong from 10-14 September 2018 conduct by NPIU.
- Prof. Raj Kumar Singh, Nodal Officer (Academic) has attended workshop on “Revisiting Stress Relief & Wellbeing” at Abhi Bindu, the Meeting Point, New Delhi on September 1, 2018.
- Dr. Manish Jain, Assistant Professor, Applied Chemistry Deptt. has attended Short Term Course on “IT Enabled Learning for STEM” during 10 – 12 September, 2018 at IIT Bombay.
- Prof. Raj Kumar Singh, Professor, MED has attended Professional Development Training (PDT) at IIM Raipur from 13 – 15 September 2018 conduct by NPIU.
- Dr. Dinesh K. Vishwakarma, Associate Professor, IT Deptt. has attended DST Sponsored Training on “Internet of Things” from (24-28) September 2018 at ESCI Campus, Hyderabad.
- Dr. Gurjit Kaur, Associate professor, ECE Deptt. has attended five days CEP Course on “Electromagnetic Fields & Waves: Pedagogy & Computation” during 12th to 16th November, 2018 at IIT Bombay.
- Ms. Anamika Chauhan, Assistant Professor, IT Deptt has attended one-day conference on “Innovations in Cyberspace” on 29 October, 2018 at Dr. D.S. Kothari Auditorium, DRDO Bhawan, New Delhi conducted by NPIU (without financial assistance).
- Prof. Narendra Kumar-II, Professor, EED has attended Professional Development Trainings (PDTs) during 8 - 10 October 2018 at IIM Trichy conducted by NPIU.
- Prof. Qasim Murtaza, Professor, MED has attended the 7th International 28th All India Manufacturing Technology, Design and Research Conference 2018 (AIMTDr. 2018) at Anna University, Chennai, Tamil Nadu during December 13 to 15, 2018.
- Dr. Vikas Gupta, Assistant Professor, DSM has attended Professional Development Training (PDT) at IIM Trichy from December 3 – 7, 2018 conduct by NPIU.
- Shri Nand Kishore, Dr. (F&A) and Dr. Ravinder Kaushik, Dr. (Estt.)

- have attended Residential Training Programme on “Building Organizational Excellence Focus: Synergy of IT & HR” from January 28 - February 01, 2019 at Munnar.
12. Dr. Seba Susan, Associate Professor, IT Deptt. has attended one day workshop on “Artificial Intelligence for Governance” on February 13, 2019 at National Productivity Council, Lodi Road, New Delhi (without financial assistance).
 13. Prof. H.C. Taneja (Professor) & Dr. S. Sivaprasad (Professor), Applied Mathematics Deptt. have attended Residential Training Programme on “Performance & Financial Management for Organizational Excellence” from February 18-22, 2019 at Munnar, Kerala.
 14. Dr. N. Jayanthi (Asstt. Professor) ECE Deptt. & Dr. Priyanka Meel (Asstt. Professor) IT Deptt. have attended Residential Training Programme on “Enhancing Organizational Productivity through ICT” from March 11-15, 2019 at Kanyakumari.
 15. Prof. Rajesh Kumar, Professor (MED) and Prof. Mukhtiar Singh, Professor (EED) have attended International Workshop on “Energy, Power and Environment (IWEPE-2019)” at National Institute of Technology (NIT) Kurukshetra during March 17 – 19, 2019.
 16. Prof. B.B. Arora (Professor) MED & Dr. Akhilesh Arora (Associate Professor) MED have three days workshop of ACREX India 2019 at Mumbai during February 28 to March 2, 2019.
 17. Prof. A.K. Madan (Professor) MED has attended workshop on “Carl Zeiss Make 3D CMMs. & other CNC Metrology Equipments” during March 20-25, 2019 at Technical Competence Centre in Bangalore.
 18. Dr. M.S. Chaudhary (Associate Professor), ECE Deptt. has attended National Workshop on “Bioinformatics and Biomedical Image Analysis” (NBIA-2019) during May 29-31, 2019 at Jaypee University of Information Technology, Wanknaghat, Solan, Himachal Pradesh.
 19. Dr. Amit Pal (Professor), MED has attended National Workshop on “NBA and NAAC Accreditation” during June 18-22, 2019 at Gangtok, Sikkim.
 20. Prof. Qasim Murtaza (Professor) & Dr. Paras Kumar (Assistant Professor) MED has attended FDP on “Quality Management: Importance, Issues and Challenges” is being organized during 17-21 June, 2019 at Department of Mechanical & Industrial Engineering, Indian Institute of Technology, Roorkee, Uttarakhand.
 21. Dr. T. Vijaya Kumar (Associate Professor), Civil Engg. Deptt. has attended Residential Training Program on “Developing Competencies to enhance Performance viz a viz Orgn'l Image” during June 7 – 10, 2019 at Ooty.
 22. Prof. Vijay Gautam (Professor) MED, Dr. Rajiv Chaudhary (Professor) MED and Dr. Vinod Singh (Assoc Professor) Applied Physics Deptt. have attended FDP for Improving Teaching, Learning & Research Competence” from 25-29 June 2019 at Leh-Ladakh.
 23. Prof. Jai Gopal Sharma (Professor) Biotechnology Deptt. has attended workshop on “Asian-Pacific Aquaculture 2019” during 19-21 June, 2019 at Chennai Trade Centre, Tamil Nadu.

24. Prof. D.S. Nagesh (Professor) MED has attended Professional Development Training (PDT) at IIM Kozhikode, 18-22 June, 2019.
25. Dr. Girish Kumar (Associate Professor) MED has attended Professional Development Training (PDT) at IIM Kashipur, 24-28 June, 2019.
26. Ms. Ritu Agarwal (Assistant Professor) & Ms. Anamika Chauhan (Assistant Professor) IT Deptt. have attended Professional Development Training (PDT) at IIM Visakhapatnam during July 15 – 19, 2019.
27. Prof. Rajesh Kumar (Professor) MED, Prof. Mukhtiar Singh (Professor) EED & Mr. Sanjay Kumar (Asstt. Professor) CSE Deptt. have attended Training Program on “Project Management & Financial Management” during July 22-26, 2019 at Leh, Ladakh.
28. Dr. M. Jayasimhadri (Assistant Professor) Applied Physics Deptt. has nominated to attend Training Program on “Digital Workplace: Essentials for Non-IT Executives” from 29 July-02 August, 2019 at Ooty.
29. Prof. V.K. Minocha (Professor) Civil Engg. Deptt. & Prof. A. S. Rao (Professor) Applied Physics Deptt. have nominated to attend Training Program on “Organizational Productivity through Digital Transformation” during August 26 – 30, 2019 at Kodaikanal.
30. Prof. Rinku Sharma (Professor) & Dr. Yogita Kalra (Asstt. Prof.) Applied Physics Deptt. have nominated to attend Training Program on “Developing Competencies to enhance Performance viz a viz Orgn'l Image during 8th to 11th August, 2019 at Gangtok, Sikkim.
31. Shri Nand Kishore Dr. (Finance)

& Dr. Ravinder Kaushik Dr. (Estt.) have nominated to attend Training program on “Good Governance thro: High Performing Team & Energetic Leadership” during 8th to 11th August, 2019 at Gangtok, Sikkim.

Staff Training

1. Mr. Manoj Sethi, Programmer, CSE Deptt. has attended one day workshop on “Artificial Intelligence for Governance” on February 13, 2019 at National Productivity Council, Lodi Road, New Delhi (without financial assistance).
2. Mr. Karan Singh (Foreman) EED has attended “Capacity Building Training for Non-Teaching, Administrative and Finance Staff, Librarians, Lab Technicians” during June 19-23, 2019 at Gangtok, Sikkim.

Key Initiative

1. Committee to evaluate project proposals to get seed money to faculties & students for their research projects through TEQIP-III Project.
2. Funding for MOOC's and digital contents for e-learning for 2 subject each in the five departments (i.e. MED, EED, ECE, CSE, Civil Engg. Deptt.) through TEQIP-III Project.
3. Guidelines/budgetary provision for attending FDP/STTP/SDP/CEP/Conference/Symposium/Seminar/Workshop – within India for faculties & students through TEQIP-III Project.
4. Guidelines/detailed budgetary provision for conducting FDP/STTP/SDP/CEP/Workshop/Seminar and other training programs in-house under TEQIP-III Project.
5. Guidelines for taking remedial classes for academic support to weaker students under TEQIP-III Project.

6. Appointment of Start-up Cell Coordinator & team members to establishing of Start-up cell in the DTU as per AICTE Mandate under TEQIP-III Project.
7. Two days Induction Training program for all B. Tech. first year students of DTU has been conducted during August 3-4 2018.
8. Auditor for Internal Audit & Statutory Audit for one year F.Y. 2018-19 of TEQIP-III Project has been appointed and audit will be performed July-August, 2018.
9. Appointment of Prof. Rachna Garg Coordinator, Equity Action Plan.
10. Appointment of Prof. S.K. Singh, Environmental Coordinator.
11. Establish of Procurement Complaint Redressal Cell under TEQIP-III Project.
12. Approval to conduct Employability Test of UG students of DTU during 1st August to 31st August, 2019 after summer vacation for 2nd, 3rd year and final year students through M/s Aspiring Minds, NPIU empanelled agency.
13. GATE training to UG Pre-final and final year students of DTU through any of the empanelled agency of NPIU like M/s Gate Coach, M/s The GATE Academy, M/s Engineers Academy and M/s Gate Forum Educational Services Private Limited (Thinkcell Learning Solutions Pvt. Ltd.).
14. Approval of purchase of sanitary napkin vending machines and incinerators for various locations in DTU.
15. Approval of purchase e-Books of Elsevier of Applied Chemistry Department.
16. Approval of purchase e-Books of Elsevier of Environmental Engineering Department.
17. Two days Induction Training program for all B. Tech. first year students of 2019-20 session at beginning of the semester (during August 1-7, 2019) will be conducted.

Procurement Activity:

1. The Hon'ble Vice Chancellor, DTU has constituted a Purchase Committee for procurement under TEQIP-III Project is as under:
 - a) Institute wise Purchase Committee:
 - Pro Vice Chancellor – I Chairman
 - HoD of major Departments Member
 - Nodal Officer, Procurement Member
 - Nodal Officer, Finance Member
 - Coordinator, TEQIP-III Member
 - Two Faculty Members – from any department (to be nominated by Pro. Vice Chancellor–I)
 - b) Department wise Purchase Committee:
 - i. HoD Chairman
 - ii. Three faculty members from each DPC Committee – Members
2. The following items are considered for purchase to develop lab of **Applied Physics Department:**

S. No.	Package Name	Item Name	Name of Lab	Quantity	Amount
1	DTU/TEQIP-III/Phy-01	Portable Environmental Particulate Monitor	Space & Atmospheric Science Lab	1	13,49,250/-
2	DTU/TEQIP-III/Phy-02	Portable Microtops sun Photometer for Measuring Aerosols	Space & Atmospheric Science Lab	1	12,13,275/-
Total					25,62,525/-

3. The following items are considered for purchase to develop lab of **Biotechnology Department**:

S. No.	Package Name	Items Name	Name of Lab	Quantity	Amount
1	DTU/TEQIP-III/Bio-01	Molecular Workstation	Central Facility Lab	1	33,60,000/-
Total					33,60,000/-

4. The following items are considered for purchase to develop lab of **Civil Engineering Department**:

S. No.	Package Name	Items Name	Name of Lab	Quantity	Amount
1	DTU/TEQIP-III/Civil-01	Polishing and Lapping M/c and Pile Integrity	Rock Mechanics Lab	1	15,27,750/-
2.	DTU/TEQIP-III/Civil-02	Data Acquisition System with Seismograph	Rock Mechanics Lab 1		22,05,000/-
Total					37,32,750/-

5. The following items are considered for purchase to develop various labs of **Electrical Engineering Department**:

S. No.	Package Name	Items Name	Name of Lab	Quantity	Amount
1	DTU/TEQIP-III/EED-01	Real Time simulator for micro grid with wind power emulator	Power Electronic Lab	1	39,90,000/-
2	DTU/TEQIP-III/EED-02	Wind River Workbench	Embedded System Lab	1	19,42,500/-
Total					59,32,500/-

6. The following items are considered for purchase to develop various labs of **Mechanical Engineering Department**:

S. No.	Package Name	Items Name	Name of Lab	Quantity	Amount
1	DTU/TEQIP-III/Mech-01	32-channel vibration Analyzer	Vibration and Acoustics Lab	1	32,18,250/-
2	DTU/TEQIP-III/Mech-04	Mech-Shearing machine	Metal Forming Lab	1	5,66,400/-
Total					37,84,650/-
Grand Total					1,93,72,425/-

- The Purchase Order has been issued for an amount of Rs. 1,93,72,425/- to vendors for purchase of equipments for various labs of .
- An amount of Rs. 1,43,18,000/- are pipeline for purchase of procurement items and an amount of Rs. 12,44,603/- are pipeline for purchase of e-books.

Equity Activity:

- A program on “Cyber Security” as part of “Digital Shakti” in collaboration with National Commission for Women on April 9th, 2019 from 2 to 5 PM at DTU for about 200 participants by Equal Opportunity Cell.
- A notice has been issued to all HoDs for all students belonging to SC/ST/OBC/ Women/Differently abled students/ students belonging to any category securing less than 30% marks in end sem exam needing remedial classes during summer vacations-2019.
- Biotech Department, Civil Department, Mech Deptt. and many other departments are exploring joint research activities with the faculty of MITS Gwalior.
- MITS has been provided consultancy on various issues time to time as per needs. They have been mentored during the NBA accreditation.
- The Long term & Short term Twinning Action Plan has been submitted on 1st February, 2018 to NPIU.
- Prof. Mohit Agrawal, Assistant Professor, MITS Gwalior has attended one day workshop on “Networking of Technology and Education for sustainable development” organized by department of Civil Engineering, held on 12th Oct 2018.
- Six M.E. scholar students, MITS Gwalior have presented paper in 2nd IEEE International Conference on Power Electronics, Intelligent Control, and Energy Systems (ICPEICES-2018) during October 22-24, 2018 organized by Department of Electrical Engineering, DTU.
- Dr. Praveen Bansal (Research Scholar), Dr. Vishal Chaudhary (Assistant Professor) and Dr. Vijay Bhuria (Assistant Professor) from MITS Gwalior shall attend Resilient Power Grid Operation

Twinning Activity:

- 10% seats for faculty & staff participants of MITS, Gwalior in each FDP/STTP/SDP/CEP/Workshop/Seminar and other training programs conducted in-house at DTU under TEQIP-III Project.
- Faculty of MITS, Gwalior is encouraged to register Ph.D at DTU in various departments.

- Using Synchronosor Technology: A Smart Grid Operation Perspective Organized by Department of Electrical Engineering during December 17-21, 2018.
9. Dr. Praveen Bansal (Research Scholar), MITS Gwalior will attend a IEEE workshop on Power Electronics in Smart Grid and Optimal power trading mechanism organized by department of Electrical Engineering on 3rd November, 2018.
 10. Joint Twinning Plan for 2018-19 is successfully submitted.
 11. Dr. Pushpendra Singh, Twinning Coordinator along with BoS members has visited Mentee Institute (MITS, Gwalior) during April 8-10, 2019 for interaction with partner faculty members of respective departments and plan various activities for the year 2019.
 12. A oneday workshop has been organized and attended by Prof. Vikas Rastogi & Prof. Rajesh Kumar on “Outcome Based Education” (OBE) on 19th July at MITS Gwalior.
 13. Mohit Aggarwal, Assistant Professor of MITS Gwalior has attended one week FDP on “Earthquake Resistant Design of Structures” during May 27-31, 2019 conducted by Civil Engg. Deptt.
 14. Mr. Kuldeep Kumar Swarnkar and Mr. Vaibhav Shivhare from MITS Gwalior have taken admission in Ph. D. (EED) & Ph. D. (MED) respectively at DTU.
 15. A one week FDP on “Earthquake Resistant Design of Structures” during May 27-31, 2019 has been conducted by the Civil Engg. Deptt. at DTU with Twinning Partner MITS Gwalior.
 16. A one week FDP on “Machine Learning for Pattern Recognition (MLPR 2019)” during June 10-14, 2019 has been conducted by the IT Deptt. at DTU with Twinning Partner MITS Gwalior.
 17. A one day workshop on “Professional Excellence through Values, Meditation and Self-Management” on 26th July, 2019 has been conducted by the Department of Centre for Value Based Education at DTU with Twinning Partner MITS Gwalior.
 18. A two days workshop on “Recent Trends in Welding Technology” during August 22 – 23, 2019 shall be conducted by the Mechanical Engg. Deptt. at DTU with Twinning Partner MITS Gwalior.

Reports Submission and Participation

19. Action Plan has been submitted to NPIU for the F.Y. 2018-19 (3rd Qtr. & 4th Quarter) and F.Y. 2019-20 (1st Qtr & 2nd Qtr.).
20. Financial Management Indicators for the F.Y. 2018-19 (01.04.2018 to 30.09.2018 & 01.10.2018 to 31.03.2019) have been successfully submitted.
21. We are successfully participated in the video feedback survey and send to NPIU.
22. Internal Audit & Statutory Audit for the F.Y. 2018-19 has been successfully completed.
23. Environment Management Plan has been submitted on 31st January, 2019.
24. Equity Action Plan has been submitted on 30th November, 2018.
25. Twinning Action plan for MITS (1.1) and DTU (1.3) has been submitted.

26. Placement Record Survey has been successfully submitted on 06.02.2019.
27. Financial Survey of PFMS has been successfully submitted.
28. Best Practices under Twinning from April 2017 – December 2018 has been submitted on 30th January, 2019.
29. The Endline Survey of Stanford University USA and MHRD has been successfully completed in DTU during 27, 28 & 29 March, 2019.
30. First Performance Audit – Action Plans for improvement in low scoring performance parameters has been submitted.
31. Action Plan for Improvement of Employability of Engineering Graduates has been submitted to DTTE on 13.06.2019.
32. Feedback of GATE & Employability Skill training to NPIU via google form on 26.06.2019.
33. The Governance Self Review (GSR) has been submitted to NPIU on 03.07.2019.
34. Action taken report on Equity Plan has been submitted to NPIU via google form on 03.07.2019.

Audit and Visits

35. Second round of Performance Audit has been completed by Prof. V.M. Gadre, IIT Bombay during July 25-27, 2019 **(DTU has been placed among best performing institution).**
36. First round of Mentor visit has been completed by Prof. Rajnish Prakash, Ex. Principal, Punjab Engineering College, Chandigarh during October 30-31, 2018.



11 Sponsored Research, Consultancy and Projects

Sponsored Projects

S. No.	Name of the Project	Principal Investigators/ Co Principal Investigators	Name of the Sponsored agency	Academic Year of Award	Funds provided	Duration of the project
1	Demonstration of Grid supportive EV Charger and Charging Infrastructure at LT level (D-EVCI)	Prof. Vishal Verma	DST	2018-19	₹2253600/-	3 Years
2	Design and Development of Biomass-solar electricity and Cooling Solutions for Rural India	Prof. Vishal Verma	DST	2018-19	₹36,63,000/-	2 Years
3	DST- INSPIRE	Dr. Mukesh Kumari	DST-INSPIRE	2018-19	₹35,00,000/-	5 Years
4	Design and Development of 2D/3D self assembled antibacterial nanofibrous structures from regenerated nonmulberry silk fibroins and its blends for medical textiles application	Dr. Roli Purwar	SERB	2018-19	₹26,58,480/-	3 Years
5	UGC-BSR Start-up grant for newly recruited faculty at Assistant Professor level in science department	Dr. Mukhtiyar Singh	UGC	2018-19	₹10,00,000/-	1 Year
6	Design and demonstration of off-grid self- healing and sustainable DC community energy solutions	Prof. Vishal Verma	DST	2018-19	₹1,13,45,200/-	2 Years
7	Tapping solar, wind and human energy; a hybrid photovoltaic/piezoelectric device based on 2D materials and their van der Waals heterostructures	Dr. Bharti Singh	UGC	2018-19	₹10,00,000/-	2 Years
8	UGC-BSR Start-up grant for newly recruited faculty at Assistant Professor level in science department	Dr. Poonam	UGC	2018-19	₹10,00,000/-	1 Year

S. No.	Name of the Project	Principal Investigators/ Co Principal Investigators	Name of the Sponsored agency	Academic Year of Award	Funds provided	Duration of the project
9	Proxy Relationship of Ultrafine Particles Number Particle Formation and its Growth Rate in Transport Microenvironment in Delhi	Dr. Rajeev Kumar Mishra	Central Pollution Control Board (CPCB)	2018-19	₹79,92,960/-	
10	Topical Delivery of Therapeutic Loaded Bioglass Assembles for Bone Regeneration	Dr. Deenan Santhiya	DST	2018-19	₹35,12,000/-	
11	Smart Dynamic Energy Management for the Built Environment with Integrated Renewable Energy	Dr. M. Rizwan	SERB	2018-19	₹3106455/-	
12	Green Earth Green Energy Aware Radio Technology for Cognitive Network with Heterogeneity	Ms. Akansha Srivastava-P. I Dr. Gurjit Kaur-Mentor	DST-Kiran WOS-A	2018-19	₹18,09,000/-	3 Years

Consultancy Projects

S. No.	Name of the consultant	Name of the consultancy project	Consulting/ sponsoring agency	Year	Revenue generated
1	Mr. B.R.G. Robert	C/o Skywalk and FOB at Junction of Sikandara Road, Mathura Road and Bahadur Shah Zafar Marg at W point near Hansh Bhawan, New Delhi	PWD DELHI	2018	₹13,80,600/-
2	Mr. B.R.G. Robert	World Skill centre Jonapur, Delhi	PWD Delhi	2018	₹1,69,08,020/-
3	Prof. Naresh Kumar	Strengthening of road at Dev Prakash Shastri Marg under PWD SUB Division-III, SWR-1, New Delhi	PWD DELHI	2018	₹15,00,000/-
4	Mr. Narad Muni Prasad	Strengthening improvement and remodelling of various roads under PWD maintenance zone M-3 (Sh. Micro Surfacing work)	PWD DELHI	2018	₹2,63,659/-
5	Mr. Narad Muni Prasad	Road Restoration work for various roads to be cut by various utility agencies under PWD Division West Road-2 Delhi (GNCTD) during 2017-18	PWD DELHI	2018	₹1,41,812/-

S. No.	Name of the consultant	Name of the consultancy project	Consulting/ sponsoring agency	Year	Revenue generated
6	Mr. Narad Muni Prasad	Resurfacing of flyover under sub division south east road 13 under division south east road-1, Sh. Resurfacing of Nazimuddin Flyover on Ring Road and Moolchand Flyover, Andrews Ganj flyover on BRT road.	PWD DELHI	2018	₹1,11,841/-
7	Dr. Ritu Raj	Proof Checking of structural drawings: i. SPS School Beam Slab & SPS School ii. C/o24 No. additional SPS class rooms GGSSS, Khadipur, Delhi iii. Examination of structural stability of an old building at Madrasa Road allotted for academic extension of Ambedkar University Delhi	RITES	2018	₹88,500/-
8	Dr. Rakesh Mehrotra	Water/Waste Water used in before and after washing the buses	DTC	2018	₹23,400/-
9	Dr. Rakesh Mehrotra	Water/Waste Water used in before and after washing the buses	DTC	2018	₹23,400/-
10	Dr. Rakesh Mehrotra	Water/Waste Water used in before and after washing the buses	DTC	2018	₹23,400/-
11	Dr. Rakesh Mehrotra	Water/Waste Water used in before and after washing the buses	DTC	2018	₹23,400/-
12	Dr. B.B. Arora	CFD for Flow Analysis of Sump/ CWR for Balawala Pumping Station Jaipur for PHED Jaipur	Water Power Engg. Enterprises	2018	₹3,42,000/-
13	Prof. A.K. Gupta	Mixed Design for annulus grout	GYPSUM STRUCTURAL INDIA PVT LTD	2018	₹50,000/-
14	Prof. V.K. Minocha	Vetting & Sewage Treatment Plant Design Drawing (Plant at Jhansi)	Grey Water Solution Pvt. Ltd.	2018	₹1,20,000/-
15	Dr. Susheel Kumar	Transport study of bridge grade separator at Rani Jhansi Road.	NDMC	2018	₹9,73,500/-
16	Dr. Ritu Raj	Checking Hydraulic design of Budh Vihar group of clusters GOC	Delhi Jal Board	2018	₹4,70,048/-
17	Dr. Susheel Kumar	Conducting road study and Benkelman beam test for roads under South West Road	PWD DELHI	2018	₹5,90,000/-

S. No.	Name of the consultant	Name of the consultancy project	Consulting/ sponsoring agency	Year	Revenue generated
18	Mr. B.R.G. Robert	TPQA for providing and laying of treated water pipe of treated water pipe line from DJB sewerage treatment plant Okhla to proposed waste to energy plant Maa Anandmai Marg New Delhi	South Delhi Municipal Corporation	2018-19	₹4,02,675/-
19	Mr. B.R.G. Robert	Construction of additional classrooms in various existing school, under Education (M) Zone, New Delhi (Priority-II)	PWD DELHI	2018-19	0.30% of ₹1000Cr (Approx.)
20	Prof. Naresh Kumar	Third Party Quality Audit for the works: Remodelling of Maujpur drain from Road No.66 to Ghonda Chowk and main Brahmपुरi Road Ghonda Chowk to MCD Dhalav	PWD DELHI	2018-19	₹6,19,500/-
21	Mr. Narad Muni Prasad	Testing of various roads and recommendation for improvement of riding surface under PWD Shahdara Road maint. Division (M-211), preferably by milling the existing surface and using RAP.	PWD DELHI	2018-19	₹17,70,000/-
22	Prof. Nirendra Dev	TPQA of 325 2 BHK, 170, 3bhk & 194 EWS Houses 9Design & Built) at sector A-1 to A-4, Narela	DDA	2019	₹93,05,000/-
23	Dr. Ritu Raj	Proof Checking/Vetting of structural design/drawing for the work c/o SPS Type additional class rooms in various schools under education M. (North) division, PWD, Delhi	PWD DELHI	2019	₹34,50,000/-
24	Dr. Ritu Raj	Proof Checking/Vetting of structural design/drawing for the work c/o SPS Type additional class rooms in various schools under education M. (North) division, PWD, Delhi	PWD DELHI	2019	
25	Dr. Ritu Raj	Proof Checking/Vetting of structural design/drawing for the work c/o SPS Type additional class rooms in various schools under education M. (North) division, PWD, Delhi	PWD DELHI	2019	
26	Mr. Hrishikesh Dubey	ProofChecking/vetting of structural design/drawings for the work C/O SPS Type additional class rooms in various schools under education M. Division (South), PWD, Delhi	PWD DELHI	2019	

S. No.	Name of the consultant	Name of the consultancy project	Consulting/ sponsoring agency	Year	Revenue generated
27	Dr. Ritu Raj	Proof Checking for the work design & construction of sewage treatment plant (STP) of 320 KLD plant capacity based on Anaerobic technology & development of external sewage system at ITBP Campus, Chhawla, New Delhi	Anand & Company	2019	₹59,000/-
28	Dr. Ritu Raj	Proof Checking for the work installation by sewage treatment installation by sewage treatment plant at Lansdowne, Pauri Garhwal, Uttarakhand	SBA Enviro Systems Pvt. Ltd.	2019	₹54,000/-
29	Dr. Ritu Raj	STP & EPT for lady Hardinge Medical College, New Delhi, HSCC India Ltd.	HSCC	2019	₹59,000/-
30	Prof. A.K. Gupta	Design mix of grouting material for MWSL Lining work	Shristi-SAM LAIN JV	2019	₹59,000/-
31	Mr. A.B. Bhattacharya	Supply Installation testing commissioning & CAMC of CCTV systems in Delhi	PWD DELHI	2019	₹14,60,000/-
32	Dr. S. Anbu Kumar	TPQA of construction of 750 BHK, 325 3 BHK & 412 EWS Houses (Design and built Model) earmarked in Pocket-13 at sector A-1 to A-4, Narela, DDA	DDA	2019	₹5,05,82,45,324/-
33	Sh. A.B. Bhattacharya	TPQA work for supply installation testing commissioning of CCTV Cameras system in Delhi Govt. Schools	PWD DELHI	2019	₹15,40,000/-
34	Dr. T. Vijay Kumar	TPQA of 520 Two BHK, 250 3 BHK & 29W EWS (Design and Built model) earmarked in Pkt 14, Sec-A-1 to A-4 Narela	DDA	2019	₹3,11,73,86,997/-
35	Dr. Shilpa Pal	TPQA construction of Grameen Vikas Bhawan for ministry of rural development at K.G. Marg, New Delhi including civil, electrical and mechanical and horticultural work services on EPC Basis	CPWD	2019	₹86,11,935/-

12 Student Societies

12.1 Entrepreneurship Cell, DTU

Vision

“We believe innovation invigorates human change progression and the specific instrument for innovation is entrepreneurship.”

Since E-Cell DTU's inception in 2008, it has aimed to accomplish the goal of serving as an efficacious platform for networking, E-Cell DTU hosted the E-Summit 2019 to advocate the idea of entrepreneurship in the student community and to inspire more and more of them to take up entrepreneurship as a career.

The start of the Academic year 2018-2019 for Entrepreneurship Cell happened with a refreshing orientation. Giving a warm welcome to the freshers and giving them a taste of what college life has in store for them, the orientation concluded by helping ten freshers get recruited as interns in five different startups. Followed by this orientation began the process of continuous & rigorous interviews.

The E-Summit 2019 comprised of a melange of six events which spanned over three days. The first day was filled with wholesome advices from the Leaders of our age who taught us about the hardships of life and mantras to achieve great milestones. Likes of Rajiv Sikka, Director - Commercial of Indraprastha Gas Limited, propelled the young crowd present to give it all to achieve their dreams. The keynote speaker Ms. Monika Halan, Consulting Editor at Mint at HT Media told the budding entrepreneurs present on how the 'lean-startup' strategy works. A day driven by information was concluded with an

electrifying performance by the famous Indian YouTuber, Harsh Beniwal. The last event for the big first day was the Comedy Evening and the star comic was the person who stands out with his quirky persona and intellectual jokes, Biswa Kalyan Rath.

The second day began with E-Summit initiating an innovative way of student-HR interaction. This HR Masterclass saw a participation of 500+ students from across Delhi-NCR. Students were given expert advice from HR's of giant corporates, the likes of which were Microsoft, PwC, Goldman Sachs, and Deloitte explaining to the students about the latest trends in the market about resume building. The fifth event of the summit was the B-Plan competition which saw students and entrepreneurs coming forward and presenting their start-up ideas before prominent investors, venture capitalists and industrialists to kickstart their process of growth.

Startup Internship Fair 6.0 was organized on the final day of E-Summit wherein more than a thousand students participated from various universities across Delhi-NCR. Internships were offered in a diverse range of fields namely content writing, app and web development, designing and machine learning.





12.2 Technical Council

Faculty Advisor: Prof. J. Panda (Chairperson, Technical Council)

Invictus 2019, the unified technical festival of Delhi Technological University was held from 7th -10th February 2019. The technical council along with the various technical societies of the university organized a successful fest with a plethora of different events.

The fest had a combined footfall of over ten thousand participants from colleges from across North India.

Various Sub-events were organized by the following Societies in Invictus which tested the technical capability of the participants exhaustively:

- Troika by IEEE DTU
- Excelsior by SRDTU (Society of Robotics, DTU)
- Innova, the annual techno-management fest of DTU

- SSE, Society of Software Engineering
- SITE, Society for IT Engineers
- Round Table, DTU
- Tatva, the annual Technical Fest of Department of Applied Chemistry, DTU
- SME DTU, Society for Manufacturing Engineers
- Karyon, Annual Technical Fest of Department of Biotechnology, DTU
- Society of Automotive Engineers
- Team D_Coder
- IGTS DTU, Indian Game Theory Society

12.3 Sports Council

DTU 2018-19 – Sports performance

- Spree 2019, BITS Goa

Delhi Technological University sports teams attended the annual sports fest Spree organized by Bits Pilani Goa. It was attended by 148 students and 4 coaches of various games. The sports fest was held from 26th March to 31st March. The contingent left from DTU campus on 24th, 25th and 26th March (according to their events schedule). The various sports teams participated in Spree – Cricket (M), Football (M), Basketball (M/W), Powerlifting (M), Badminton (M/W), Table Tennis (M), Chess, Volleyball (M/W), Kabaddi (M) and Lawn Tennis (M). All the top teams in every sport from India took part in this year's event.



(Cricket team being felicitated as runners up of Spree-2019, Bits Goa)

The teams from DTU gave a brilliant performance by an engineering college standards. The following teams won a medal in this tour:-

1. Cricket Team – Runners Up
2. Lawn Tennis Team – 2nd position
3. Powerlifting – 2 medals – 2 Golds



(Lawn Tennis team being felicitated at Spree 2019, BITS Goa)

- **Udghosh 2018, IIT Kanpur (4-7 October)**
DTU's contingent of 170 people (165 students + 5 coaches) left for IIT - Kanpur on the morning of 3rd October at 3 am.
The competition started from 4th October and every team took part with utter dedication and fiery spirits to win the game. In the process some got through to the next rounds and some were eliminated but not by a big margin. The same spirit continued on the following days of 5th & 6th October. On 7th October, the last day of the tournament was for the finals of all the sports and a lot of teams from DTU were in the final. Cricket, Football both men and women and other players from athletics had finals on that day. With gold medals in Football both men and women and powerlifting and 2nd position in cricket, DTU students ended the fest on a high. Every member from the contingent was present to lift the spirits of their teammates from other

games and help them cheer up. It was a sight to watch and a moment to enjoy with tears in the eyes of the players getting gold medals. More than 70 students from DTU got medals for their performances. The fest ended on the 7th night with a medal ceremony.

- **Triquetra 2018**

Triquetra is a collaborative sports meet, which is a joint initiative by officials and students of IIIT-Delhi, NSIT and DTU. It is an effort by these three leading technical institutes of the NCT of Delhi to jointly organize high quality sporting events in Delhi.

The vision is to provide a competitive platform to college students to showcase their sporting talent. The mission is to capitalize the joint power of the resources of the three institutes to provide a competitive sporting platform to students.

After the success of previous editions this year Tri-quetra'18 was organized in Delhi Technological University where following 9 sports were organized – Football, Cricket, Chess, Badminton, Volleyball, Basketball, Lawn Tennis, Table Tennis & athletics. The event was organized from 26th -28th October, 2018.

The event saw a participation of more than 2000 students sportsperson across all over Delhi from the technical institutes only. There were more than 200 volunteers from NSIT, IIIT-D and DTU who volunteered for the event to be a success. The opening ceremony of Tri-quetra'18 was held in DTU Sports Complex on 26th October at 10:00 am. The prize distribution of the event was held on 28th October 6:00 pm, where various teams were awarded certificates, medals and prize money.

DTU won to following awards in Triquetra 2018

1. 1st position in Football (Men)
2. 1st position in Football (Women)
3. 1st position in Cricket
4. 2nd position in Chess
5. 2nd position in Badminton (Men)
6. 1st position in Lawn Tennis (Men)
7. 2nd position in Lawn Tennis (Women)
8. 2nd position in Table Tennis (Men)

• **Aahvaan, 2019**

Aahvaan the annual sports tournament of **Delhi Technological University** was organised from **22nd to 24th February 2019**. It was organised for students of all colleges from Delhi and outside Delhi. The vision is to provide a competitive platform to college students to showcase their sporting talent. The mission is to capitalize the power of the resources of the University to provide a competitive sporting platform to students from all over the India.

Following sports were played in the same:

- Cricket (men)
- Football (men/women)
- Badminton (men/women)
- Handball (men)
- Chess (men/women)
- Table Tennis (men)
- Lawn Tennis (men/women)
- Athletics (men/women)
- Volleyball (men/women)
- Basketball (men/women)
- Kabaddi (men)
- Powerlifting (men/women)

The opening ceremony held in the Sports Complex, DTU. It started with lighting the lamp by our Hon'ble Vice Chancellor Prof. Yogesh Singh on 22nd February, 2019 at 10 am. He motivated the players to compete with true sportsmanship and expected to be a healthy competition.



(Vice Chancellor Prof. Yogesh Singh motivating players)

After the opening ceremony, the matches started scheduled for that day, players were provided with refreshments in each and every match. Officials were provided with refreshments as well as lunch. Outstation players staying in our campus were provided with breakfast, lunch and dinner in the sports complex.



(Lead singer, Manish Gunthey of the Unplugged Project Band)

On the **second day** of the fest, there was a special performance by “THE UNPLUGGED PROJECT” also known as “Delhi’s Happiest Band”, it believes in rendering covers in a unique vocal style and improvisation, enthraling audiences with their performances all over the country. It was held in the sports complex, DTU.

Followed by a performance of Indian Fly Jumpers Group who showed what they can do with ropes and extraordinary jumping skills.



(Indian Fly Jumpers Group during their performance)

The felicitation ceremony was organised in B.R. AUDITORIUM on the third day i.e. 24th February in the evening from 7:30 pm. The winners were given medals, trophies, certificates and cash prizes. Many talented and hardworking players excelled in their sports. The felicitation ceremony was followed by dinner for all the faculty members of the Sports council and the student sports council members, team members of the winning DTU team, coaches and officials.



(Cricket team of DTU receiving the winner’s trophy)

The sports fest was organised by the Sports Council of DTU. Because of their efforts and hard work the sports fest was an overall success.

Cricket started on **19th February** as there were **16** teams and all the matches had to be accommodated in the given schedule. With other games starting from **22nd February** and ending on **24th February**. Football for the first time ever was organised at night this year as temporary lights were put up all over the football ground to light up the area.

A total of 2500 participants (approximately) took part in Aahvaan this year with 80 people staying inside the campus.



(Participating teams sweating it all out during the game of football)



(Teams fighting hard to put the ball into the basket)



(Handball, very few colleges host this game)



• Arena 2019

Arena the inter departmental sports tournament of Delhi Technological University was organised between 18th-20th January 2019. It was organised for students of all the departments including MTech, MBA and DTU EAST CAMPUS.

Following sports were played in the same:

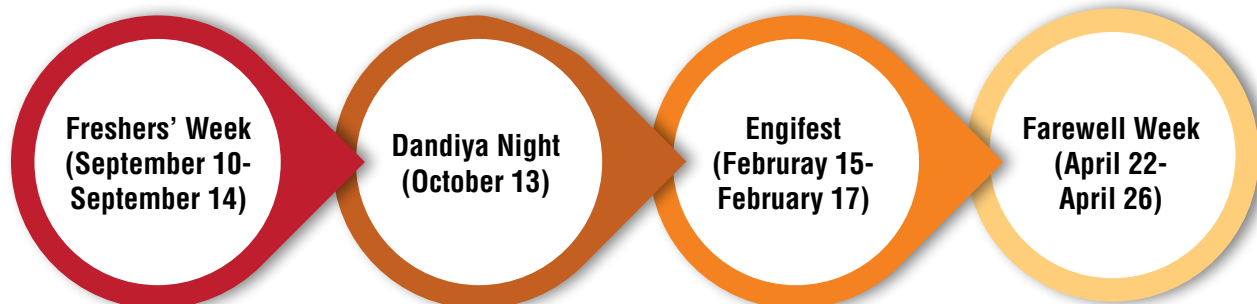
1. Cricket (men)
2. Football (men)
3. Badminton (men/women)
4. Handball (men)
5. Chess (men)
6. Table Tennis (men)
7. Lawn Tennis (men)

8. Athletics (men/women)
 9. Volleyball (men)
 10. Basketball (men/women)
 11. Kabaddi (men)
- Aaghaaz, 2019: An Inter Hostel Sports Tournament was also organized in the campus.



12.4 Cultural Council

Timeline



Freshers' Week 2018

The Freshers' Week began with some informal events for the freshers like

sack-race, 3- legged race and tug of war. Madhurima, the music society of DTU then conducted a flash mob for the freshers playing their beats throughout the campus.

The Dandiya Night is an event that has been organized within DTU for the past few years. The night means to inculcate a spirit of harmony and bonding within all the students of DTU, especially the freshers. This year, Dandiya Night was organized on October 13.

The Freshers' Night for the 2019 batch was organized with much exuberance and enthusiasm. The event began at around 5 P.M, with some informal games for the freshers. The freshers night witnessed an audience of over 2000 students. This was followed by the Lighting of the Lamp ceremony, in which our respected faculty members were facilitated with bouquets

and were invited to light the lamp as a token of their prayers for an auspicious year for the University.

This was followed by enchanting and colourful performances by the Music, Dance and Dramatics societies, which were hugely popular among the crowd. The activities after this included a Fashion Parade, organized and choreographed by students themselves. Then the shortlisted students were invited on the stage and were made to compete for the title of Mr. and Miss Freshers. These two activities were also well received by students and faculty alike. The night was highly successful, and was appreciated by all present.

DTU CULTURAL COUNCIL
PRESENTS

Freshers' Week

CONTACT
ANSHUL: 7289959832
ANUSHKA: 9560407721

TENTATIVE ITINERARY

- 10th September**
Movie Screening
- 11th September**
Ethnic Night
- 12th September**
Informal Events
Cultural Train
WIT Comedy Show
- 14th September**
Freshers' Night

Dandiya Night

The students in attendance were all in ethnic wear. The event took place in the Transit Hostel Ground which was beautifully decorated with balloons flowers and a gleaming lighting and sound system. The event was also graced by the respected Faculty Members and their families. The

students were distributed Dandiya Sticks to create an emphatic Navratri Atmosphere. The night started with some folk music played out by the DJ. The students and the respected faculty members graced the occasion my folk Garba Dance to mark the auspicious festival. Everyone enjoyed dancing to the music. The music, dancing and the festivities went on.

Engifest 2019

The much awaited Engifest 2019 with the theme “Rise Above Reality” was held on 15-17th February. As our vision was to make it bigger than it ever was, preparations were started from October only. The 3 day fest was a plethora of activities ranging from electrifying to dance performances to heart wrenching drama. True to its spirits, Engifest 2019 provided a platform to students from all over India to discover their passion and showcase their talent.

List of Events:

1. Inaugration Ceremony
2. Youtube Fan Fiesta
3. Anusthaan – The Indian Dance Event
4. Nukkad – The Street Play
5. Spandan Solo Dance – The Western Dance Event
6. Syaahi – The Literary Event
7. Spectrang – Creative and Art Competition
8. Mayank Rathi Stage Illusion
9. Dancing with the Tree performance
10. Nishant Tanwar Stand-Up Comedy Show
11. Vishal Shekhar Live Performance
12. Oxland Beats – South Africa
13. Fire Artists from Ukraine performance
14. Paridhan – The Fashion Parade
15. Natya – The Stage Play
16. Mankirat Aulakh Live Performance
17. Balladeers and Vocalicious – The Western Music Event
18. Spandan Group Dance – The Western Dance Event
19. Nir Koren Band Performance
20. Rahul Dua Performance
21. Quintino Live EDM Performance

Inauguration Ceremony

As per the tradition, Engifest 2019 kickstarted with an auspicious inauguration ceremony. It was presided over by honorable Vice Chancellor, Professor Yogesh Singh. Ever ready to inspire and motivate, he did just that in his addressing speech. Following this, a beautiful Kavi Sammelan was hosted, marking the end of day 0 of Engifest 2019.



DoReMiPa :

Music doesn't always need a language to communicate, it communicates with the heart crossing the language barrier. This was justified by the performers in the event Instru-fuse where they displayed their talent with their musical instruments without any lyrics in their compositions, leaving the crowd delighted.



Anushthaan : Classical Dance Competition

Indian classical dance is an umbrella term for various codified art forms rooted in sacred Hindu musical theatre styles. Anushthaan, organized by Nrityangana, The Classical Dance Society of DTU, truly depicts the glorified culture and traditions of India. With performances ranging from Gujarat's Garba to Punjab's Bhangra, from the mesmerizing moves of Bharatnatyam to the graceful Kathak, the classical and folk dance competition, Anushthaan, has been and will continue to add colours to the Engifest.



Spandan Solo – The Western Dance Competition

Spandan is arguably the most awaited event of the fest. It is a western dance event organized by Vibe, The Western Dance Society of DTU in collaboration with Engifest'19 where the performers displayed the most electrified performance the crowd can ever witness.



Syaahi - The Literary Event

Founded with the spirit to encourage literary talent and explore the arena of poetry and prose, Syaahi – The Literary Society of DTU brought together students from a multitude of fields with one common passion: Language. Brimming with ardent literary enthusiasts, Syaahi witnessed an outpour of logical, linguistic and debating prowess.

SYAAHI has a resplendent past of well-organized events of interesting formats that have received overwhelming attention and participation.





Dancing With The Tree Live Performance

Nature wears the colours of the spirit arts and nature are characteristic duo, which go together harmoniously, for life imitates art and vice versa.

The world renowned French contemporary artist Mathilde Vrignaud, in which she has imagined a performance with a tree. Accompanied by Soumitra Thakur on the sitar, Mahavir Chandrawat on tabla and the sound artist Hem'ish, this performance was a subliminal paradise.



Nishant Tanwar Stand-Up Comedy

Nothing can be better than a evening where you can sit back and enjoy some good punches of comedy in an event so to fulfil this Engifest'19 invited Nishant Tanwar who lived up to the expectations and left the crowd giggling for the entire evening during his performance. His punch lines

landed up so perfectly that the whole crowd went berserk.



Vishal Shekhar- Live Concert

Star Power- in its most tangible form. The musical sensation Vishal Shekhar graced the event, giving us an evening of *star-studded* splendour. It was one of *the* most anticipated events of the fest, attracting huge crowds and adding a generous splash of glamour. It was a night full of energy, buoyancy and life. The night was surely an unforgettable one as the ever so entertaining duo performed their hit numbers keeping the audience pumped throughout. This event marked the beginning of the 3 big nights ENGIFEST '19 had to offer.



Doremipa – Solo

The day 2 began with another event organized by Madhurima, the Music Society of DTU in association with Engifest'19. This

time it was the chance for the Indian music singers to entertain the crowd. The two music events of the day which are Indian Group Singing event and Indian Solo Singing event respectively.



Nukkad – Street Play

Street Play- arguably one of the oldest and most powerful forms of theatre in existence brings life to any cultural festival. Pratibimb, the dramatics society of DTU organized NUKKAD – Street play competition. Young theatre enthusiasts coming from across India delivered performances full of emotions which not only excited theatre passionate people, but also became a source of attraction for the rest of the crowd.



Paridhan – The Fashion Parade

A celebration of style, confidence and grace. Paridhan, the much awaited fashion parade took place on the second day of the fest. Young confident girls carried themselves with such flawless elegance, that their beauty and grace mesmerised the audience and captivated all hearts. PARIDHAN is a celebration of beauty and grace.



Fire Artists From Ukraine – Live Performance

We experienced the jaw dropping acts with fire, as Denys Zatsepin and Alla Zetsepin

from Ukraine are here to be a part of the Engifest.



Mankirat Aulakh – Live Performance

Engifest'19 this year invited an upcoming Punjabi superstar Mankirat Aulakh. As expected the artist did a magic on the crowd and pumped them with a whole new level of energy.

Intensity of enthusiasm of both, the Punjabi superstar and the crowd, was sky high that night.



Doremipa : Balladeers And Vocalicious

After some thrilling musical performances for the past two days, it was the western music singers' chance to showcase their talent and Balladeers, the western group singing competition and Vocalicious, the western solo singing competition gave them the perfect platform to do so. The singers grabbed the opportunity with both hands and showcased some delightful performances for the crowd.



Spandan Group – The Western Dance Competition

Vibe, the western dance society of DTU, in collaboration with *ENGIFEST '19*, organized the western dance group competition : Spandan Group.

Dance is the language of the soul and ENGIFEST '19 gave every soul a beautiful platform to express, a competitive environment for every dancer to showcase their talent. Various dance *groups* the beauty of perfect synchronisation through their moves, dancing their hearts out.



Natya: Stage Play

Pratibimb, the dramatics society of DTU, in collaboration with Engifest'19 organized Natya- Stage Play .NATYA was a zenith of heart-stopping, enthralling performances that brought the house down in sheer awe. The audience witnessed some enthralling performances by teams from not just Delhi colleges but from all across thenation.



Spectrang : Creative And Art Competition

The object of art is not to reproduce reality, but to create a reality of the same intensity. Spectrang organized by kalakriti in association with Engifest'19 was a platform where the artists could paint their dreams. It had three events : Shoe painting, Art and Furious and 3D art.



Nir Koren Band Performance

“As we always experience countless sounds inside our mind, we should always choose to reflect the one that makes the



most harmonic uplifting melody”. Engifest presents Nir Koren, an International Singer/ Songwriter from Haifa, Israel. He writes and composes his own music and his primary Instruments are a Guitar and an Electric Sitar, embracing them as rock melody instruments.

The concert takes traditional music instruments and combine them with Alternative, and Electronic elements

Rahul Dua- Stand-Up Comedy



One comedy show wasn't enough for the fest so Engifest'19 had invited another comedy artist this time to end the fest with a bang inviting Rahul Dua on the last day of the fest who set the stage on fire with his stomach aching comedy. His stand up comedy was an event to remember not only for the crowd but for him as well, as he ended up thanking the cultural council for giving him such a big stage to perform.

EDM Night- Quintino

The conclusion of the fest had to be with something big to make take it to a next level. So Engifest'19 invited Rank- 25 DJ in DJ-Magazine Quintino taking the fest to an international level. This was something



happening for the first time in the entire Delhi circuit which attracted a crowd of more than 35,000 people making them dance to his beats. Engifest attained new heights by managing such a massive crowd and successfully fulfilling the expectations of all.

12.5 Literary Council

Literary Council organised the Yuvaan - Annual Literature and Film Festival of the University from January 17 to 19, 2019. Major highlights of Yuvaan – 2019 are:

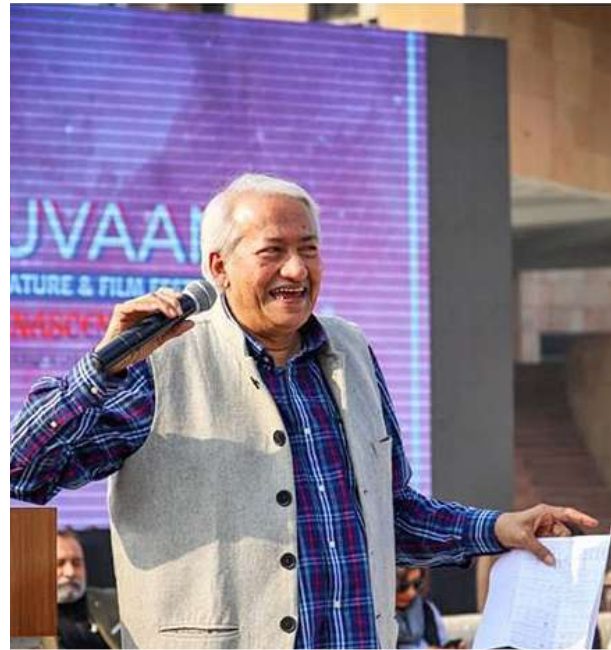
Manisha Koirala-Book Launch

More than 3000 students, and visitors all over the country were present to witness the Book Launch of Manisha Koirala, a famous Bollywood Actress and a Cancer Survivor. The event was held on January 17, 2019



Talk Show with Avijit Dutt

More than 2000 participants attended the event on January 17, 2019



Poetry session with Unerase Poetry

2000+ participants visited the event held on January 18, 2019



12.6 NSS DTU

NSS DTU is the largest student led organisation in the university working in the social sector, and aims to bring about a change in the society by organising various events and campaigns pertaining to all aspects of social service. The volunteers commit themselves to the greater good, and strive to achieve the best versions of themselves. Awareness regarding

the surroundings, identifying social evils pertaining to a region, and formulating and implementing practical ways to tackle them constitutes the role of an NSS Volunteer. Both long and short term programmes in the field of education, healthcare, road safety, etc. ensure efficient functioning of NSS as a unit, encouraging teamwork and helping it's volunteers grow immensely on a personal level as well.

ACTIVITIES AND PROJECTS

Name of the activity	Organizing Unit/Agency or Collaborating Agency	Year	Number of teachers participated in such activities	Number of Students participating in the activity
National Integration Programme "Sadbhavna" Campus Tour 2019	NSS DTU	2018-19	0	10
Juvenile Justice Board Visit 2019	NSS DTU/ Bharatiya Yog Sansthan	2018-19	0	10
International Yoga Day 2019	NSS DTU	2018-19	10	20
Kartavya'19	NSS DTU	2018-19	6	200
Social Ideation, Kartavya 2019	NSS DTU	2018-19	3	50
Case Study Challenge, Kartavya 2019	NSS DTU	2018-19	3	50
Abhivyakti, Kartavya 2019	NSS DTU	2018-19	6	150
Animal Awareness Discussion	NSS DTU/ NGO Straw	2018-19	0	50
Youth Yoga	NSS DTU/Elixir DTU	2018-19	2	15
Prayas Juvenile Centre Visit	NSS DTU	2018-19	0	30
EWS Camp 2019	NSS DTU	2018-19	0	10
Bood Donation Camp 2019	NSS DTU/Blood Connect	2018-19	2	150
Rural Camp	NSS DTU	2018-19	1	40
Road Safety Week	NSS DTU/IRSC DTU	2018-19	1	30
Joy of Giving	NSS DTU	2018-19	5	250
Cancer Detection Camp	Subhakshika/NSS DTU	2018-19	0	20
Kerala Donation Drive	NSS DTU/Rotaract DTU	2018-19	0	100
Jashn-e-Azad i	NSS DTU	2018-19	1	150

National Integration Programme “Sadbhavna” Campus Tour 2019

NSS DTU organised campus tour of DTU for 35 college students hailing from remote areas of Jammu and Kashmir as a part of National Integration Programme “Sadbhavna” of Indian Army on 6th July 2019. The students were shown the DTU campus including the Library, Incubation Centre, Tech Team Workshops, departments and various campus hotspots. The students gained insight into the latest developments in the field of science and technology with the tour. The tour concluded with a motivational talk by Major Rohit Yadav of 53 Rashtriya Rifles unit of Indian Army, followed by lunch.



Juvenile Justice Board Visit 2019

NSS DTU volunteers visited the Juvenile Justice Board, Delhi on 22nd June 2019. Like every week, there was a movie screening organised for the children there. This week the movie shown was ‘Toy Story’. The volunteers also taught the children there about friendship, childhood and how to



distinguish between good friends and bad friends. Like always, the volunteers tried to help the children in taking a step forward on the road to a better and more meaningful life. A life out of the juvenile home, and a way of life that will never let them come back to the confines of a juvenile home. We thank the volunteers of the NSS Juvenile team for spending time with the children and teaching them.

International Yoga Day 2019

The 5th International Yoga Day was celebrated on 21st June, 2019 in the admin lawns of DTU by NSS DTU and Bharatiya Yog Sansthan. The event was inaugurated by the Prof. Yogesh Singh, Vice Chancellor, DTU and attended by various other faculty members and admin officials including Prof. S. K. Garg, Pro Vice Chancellor, DTU and Prof. Samsher, Registrar, DTU. The event marked the day by engaging the participants in Yoga. It saw immense participation from people of all age groups who were guided throughout by professionals.



Kartavya '19- NSS DTU, 2019

‘Kartavya’19’, the annual conclave of NSS DTU was organised on the 8th of April 2019. The inaugural ceremony for the same was held at the Convocation Hall. The event was attended by Prof. Yogesh Singh, Hon’ble Vice Chancellor, DTU, Prof. S.K. Garg, Pro Vice Chancellor, Prof. Samsher, Registrar,

Ms. Anamika Chauhan, Coordinator, NSS DTU and Ms. Monika Arora, Advocate, Hon'ble Supreme Court.



Social Ideation, Kartavya '19- NSS DTU, 2019

As a part of the second edition of its annual Conclave - Kartavya, NSS DTU organized 'Social Ideation' on 8th April 2019. The event provided a platform to individuals and teams across the nation to showcase their contributions for the upliftment of the society, and to channel their ideas to tackle the social issues closest to them. The volunteers got the opportunity to acquire nationwide recognition and evaluation from renowned NGOs, along with guidance from leading pioneers across the social sector, to help volunteers overcome obstacles they face while implementing their projects. The NGOs that collaborated for the event were 'Pravah', 'IRSC', 'Akshaya Patra', 'Goonj' and 'Saathi'.

Winning team of 'Social Ideation': Enactus DTU



The volunteers also had a chance to get a paid internship with the NGOs.

Case Study Challenge, Kartavya '19- NSS DTU, 2019

NSS DTU organized the Case Study Challenge as a part of Kartavya '19. The event saw various students from different colleges participating and brainstorming on the case studies. The competition helped find innovative and efficient solutions to the problems discussed. The passion and dedication in the students was truly inspiring. The event was judged by Professor Saroj Bala, Department of Humanities and Tanya from Pravah. The first position was bagged by Team AJS, with Team Chanakya as the runners up.



Abhivyakti, Kartavya '19- NSS DTU, 2019

NSS DTU organised 'Abhivyakti', a Guest Lecture Series in view of 'Kartavya'19', the annual conclave of NSS DTU on the



8th of April 2019. The event saw a lineup of renowned dignitaries pertaining to varied domains in the social sector. Nitin Sood, Co-Founder, HappyShappy, who was accompanied by his wife, Sana Sood, Co-Founder, HappyShappy, Sushil Meena, Founder, Nirbhed Foundation, and Katyayani Bhatia, IRS (Income Tax) graced the stage and left the audience mesmerized and motivated with their speeches. The event immensely captured the essence of our theme, 'Youth for Tomorrow', and provided the audience with an opportunity to get to know the personal ideologies, life and professional experiences as well as the modus vivendi of our esteemed guests and also a chance to interact with them.

Animal Awareness Discussion- NSS DTU and NGO STRAW, 2019

NSS DTU in collaboration with NGO STRAW organised a Workshop and Discussion Session on Animals in college campus (especially dogs) on 21st February 2019. The aim of the workshop was understanding dog behavioural patterns, how to prevent dog bites and how should animals be taken care of in college campus. Ms. Vasanthi Kumar presided over the event as the spokesperson. A healthy discussion on the issue took place and also further actions on current scenario in the college were deliberated.



13. Student Societies

YOUTH YOGA- NSS DTU and ELIXIR DTU, 2019

NSS DTU and Elixir - Health and Fitness Society of DTU organised 'YOUTH YOGA', a yoga session for students on the occasion of National Youth Day. The one hour session started with basic stretching and concluded with asans like Naukasana, Bhujangasana, Suryanamaskara, etc. The session was an exhilarating experience for all the participants, as they felt refreshed and invigorated with every bit of their mind and body.



Prayas Juvenile Centre Visit- NSS DTU, 2019

On 2nd March, NSS DTU volunteers paid a visit to Prayas Juvenile Centre to interact with the children there. The volunteers held a movie screening of the critically acclaimed movie "The Martian".

Inspired by the movie, they also made the children participate in a plantation drive. This was followed by a deep discussion and analysis on the education and employment for children wherein everyone enthusiastically participated.

EWS Camp 2019

EWS, or the Economically Weaker Section, is entitled to a 25% reservation in admissions to private schools at the Nursery, K. G.



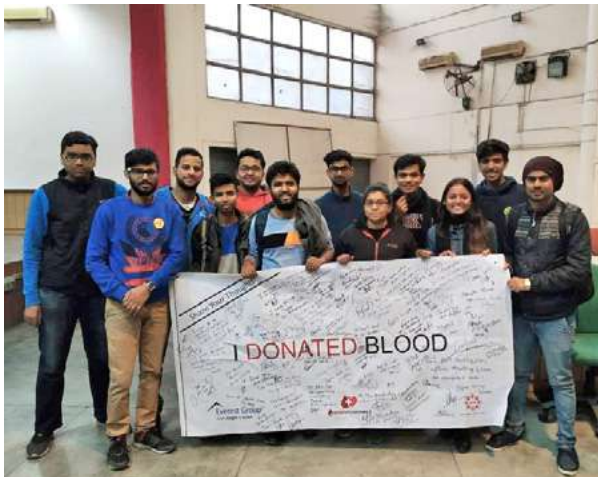
and Class 1 level. But they fail to avail this benefit due to lack of awareness and understanding of the online system.

In view of this, NSS DTU organised an EWS Admission Campaign on 26th and 27th January 2019 and 2nd February 2019. The campaign was held with the motive of bridging the gap between the government's online portal and people who're oblivious of what may prove to be their children's lifeline.

About 10 volunteers worked with utmost dedication over the weekend at a site in JJ colony, Bawana. As a result, more than 150 forms of EWS members were successfully filled by the volunteers.

Blood Donation Camp 2019

NSS DTU organised a blood donation camp on January 16th, 2019 in the campus



wherein more than 150 people participated. It was organised in association with BloodConnect and was a huge success in terms of the number of units donated.

NSS DTU Rural Camp 2018

This is the spirit with which we began our first day in the camp. Determined to create and sustain positive changes in the society in the most inclusive manner, we started our day at the Tarun Bharat Sangh campus in the village of Bheekampura, district- Alwar, Rajasthan with a humble prayer.



Road Safety Mega Event 2018

NSS DTU in collaboration with Indian Road Safety Campaign, JPN Trauma Centre, All India Institute of Medical Sciences (AIIMS), United Nations Institute for Training and Research (UNITAR), Delhi Traffic Police and Ministry of Road Transport and Highways (MoRTH) conducted a Mega Event at Delhi Technological University on the 30th of October 2018.

The event was a day-long culmination of activities revolving around Road Safety and aimed at increasing the awareness among the children, the youth and the adults regarding the ever-growing rate of traffic-related deaths. In a unique attempt at creating a world record, more than 350 students were trained for first responder and defensive training. Tackling Pre and

Post-emergency cases through First Responder Training, along with prevention via Defensive Driving was covered during the course of the day, with the help of experienced doctors and trainers from AIIMS. The event brought together experts, students and volunteers in an attempt to spread work and educate on road safety. Multiple competitions, workshops and exhibitions were held throughout the day, along with Road Safety Training being imparted to all participants



Joy of Giving - NSS DTU, 2018

NSS DTU organized it's 'Joy of Giving Week' – a week long donation drive to bring joy to homes of a few this festive season

Duration: From Tuesday, 9th October to Monday, 15th October, 2018.

Total number of books donated: 1130

Total number of stationary: 82 items and 1 school bag.



Cancer Detection Camp- Subhakshika / NSS DTU, 2018

The number of people diagnosed with tumors, especially malignant ones, is constantly increasing. There is also a rise in mortality rate due to delayed diagnosis and inappropriate treatment. Therefore, proper cancer diagnosis is very important. Cancer that's diagnosed at an early stage, when it isn't too large and hasn't spread, is more likely to be treated successfully.

In light of this, NSS DTU organised a Cancer Detection Camp on 19th August. The camp was held at Subhakshika, Amar Jyoti colony, where a group of 9 NSS volunteers worked with utmost dedication along with the doctors.



First the people had to register where their health details were collected. In the camp they were first sent to have their blood tests. Then each patient was diagnosed by an ENT specialist. Female patients were separately diagnosed by a gynaecologist. Finally x-rays and mammography of patients were conducted. Also, everyone was treated with food and refreshments after their checkups. The camp proved to be a success as over 95 patients registered.

Kerala Donation Drive- NSS DTU/ Rotaract DTU, 2018

The Rotaract Club of DTU organized a 2-day donation drive for the flood victims of Kerala in collaboration with NSS-DTU. A considerable amount of clothes, food and monetary aid was collected, which was later on sent to Goonj to help it reach Kerala.



National Service Scheme
Delhi Technological University
Delhi School of Management

Rotaract
Rotary Club Partner

Club of DTU
Regency

The heavy flooding in Kerala has left over 3.1 lakh people displaced and 324 dead. We can do our bit to help our fellow countrymen by donating whatever we can, be it money or basic things like food and blankets.

To make it easier for you to donate, Rotaract Club of DTU, NSS-DTU and NSS-DSM will be setting up a collection point at Amul.

Any of the following items would be welcome:

1. Ready-to-eat food items (Biscuits, Jam, Oats, Maggie Milk Powder, Tea bags etc)
2. Energy Bars
3. Sugar, Salt, Rice and Wheat
4. Baby Food
5. Sleeping Mats, Towel, Bedsheets and Blankets
6. Candles and Matchboxes
7. General Medicines, Dettol & Sanitary Napkins
8. Toiletries
9. Utensils
10. Clothes

Date: 20th & 21st August 2018
Venue: Amul Parlour near MechC

Anushka (Rotaract Club of DTU)
9999967175

Lovely (NSS DTU)
9643668506

Siddharth (NSS DSM)
8444871404

#DO FOR KERALA

Jashn-e-Azadi - NSS DTU, 2018

On the occasion of the 72nd Independence Day, NSS DTU organised Jashn-e-Azadi on 14th August, a celebration including a bunch of activities aimed towards the propagation of the spirit of Independent India; a questionnaire to test the participants' knowledge concerning our Independence and a canvas to doodle heartfelt messages for the public. Students exhibited exemplary zeal, and the immense participation was a testimony to the honor and gratitude we have to offer to our forefathers. Jashn-e-Azadi was put forth as a platform for people of all ethnicities to come together and share their own idea of Independence, to treasure the essence of India.



AWARDS AND RECOGNITIONS

Name of the activity	Name of the Award / Recognition	Name of the Awarding Government/ Recognised body	Year of Award
Conferencia De Youth'19 - Educate and Empower	1 st Runners Up	BITS Pilani	2019
Conferencia De Youth'19 - Hackathon	Winners	BITS Pilani	2019
National Social summit - Case Study Competition	Winners	IIT Roorkee	2019

Conferencia De Youth'19 - BITS Pilani, March 2019

A team of 6 volunteers participated in the annual conclave of NSS unit of BITS Pilani. They participated in 'Educate and Empower' wherein they taught 10-11 year old students various topics in a creative and innovative way and bagged the second prize. The team also participated in their social hackathon wherein they were given some themes on which to develop ideas and prototypes. The team bagged the first prize in the same.

National Social Summit IIT ROORKEE - NSS DTU, February 2019

A team representing NSS DTU participated in the National Social Summit'19 held at IIT Roorkee from 8th - 10th February 2019. The team bagged the first prize in the Case Study Competition: Women Education and NSS DTU Work Presentation, Innovision.

13 Central Facilities

13.1 Central Library

Salient Features

The Central Library of Delhi Technological University acquires a prominent place among the students and faculty. Situated in the heart of the DTU a three stories centrally air-conditioned building spread over an area of 5000 square meters, it is a central place for academic and research activities. The Library has a very rich collection of print as well as electronic books and journals satisfying the information needs of the faculty and students. The total collection of books is approx. **2, 24, 656** consists of 1, 51, 757 main collection, 58,363 Book Bank, 9,057 SCP Book Bank, and 5,479 donated books. Library also subscribes a large number of reputed magazines & newspapers. Keeping in view the fast changes in technology, the knowledge base of the library is updated regularly by way of adding new literature in the form of text books, reference books, reports, proceedings, abstracts and indexes,

encyclopaedias, data books, standards (National and International), Journals and database on CD-ROM. Apart from adding the new literature, the basic literature is also procured for the new programmes along with current one.

Staff

Librarian:

Dr. Rama Kant Shukla

Assistant Librarian:

Dr. (Mrs) Lalita

Counter Assistants:

Mrs. Taruna

Mrs. Rampati Nain

Mrs. Neeru Malik

Mrs. Neeru Vig

Mr. Abdul Aleem

Library Attendant:

Mr. Saudan Singh

Lab Attendant:

Mr. Narender Sharma

Books Acquisition

Year	No. of Books Purchased	Total Expenditure
01.04.2018-31.03.2019	7385	Rs. 58, 16, 766.00

Expenditure on E-Resources, Books, Magazine & Newspaper and Misc.

e-Journals in Rs.	Books in Rs.	Mag & News in Rs.	Misc. in Rs.	Total in Rs.
2,48,24,843/-	58,16,766/-	2,22,143/-	34,636/-	3,08,98,388/-

Issue, Re-Issue and Return

Year	Issue	Re-issue	Return
01.04.2018-31.03.2019	57692	51895	26555

No. of E-Resources Subscribed by DTU Library

S. No.	Databases	No of Journals
1	Access Engineering	759
2	Association For Computing Machinery (ACM)	50
3	American Chemical Society	49
4	American Institute of Physics	19
5	American Physical Society	15
6	American Society of Civil Engineers (ASCE)	36
7	American Society of Mechanical Engineers (ASME)	29
8	ASTM	5
9	EBSCO	6664
10	Emerald	313
11	Economic and Political Weekly	01
12	ICE Publishing	37
13	Engineering Village	01
14	IEEE Xplore Digital Library	505
15	IndianJrs.com	104
16	Institute of Physics	76
17	IWA Publishing	12
18	J-Gate	25656
19	Nature Title	1
20	Oxford University Press	262
21	Prowess	01
22	Sage Publications	117
23	Science Direct	843
24	Springer Link	1733
25	Taylor & Francis Journal	1079
26	The Optical Society	25
	Total =	38392

Library Timing:

Monday – Friday	09.00 am to 10.00 pm
Saturday	09.30 am to 10.00 pm
Sunday	10.00 am to 05.00 pm

Library services

Newspaper Clipping, Monthly Scholarly Publication, Current Awareness Service, Monthly New Arrivals Bulletin, Bibliographical Services, Browse reading materials in open access environment, Browsing CD ROM, Document Borrowing, Inter-Library Loan Service, Library Membership, Reference, Referral and Information Service, and E-referencing, Reservation of books, Text book Service, Use of special collections, Xeroxing Service, Reprography services like Photocopy, Printing, Scanning, Spiral binding, Lamination etc. were provided. The library also provides access to reference material like Encyclopaedia, Handbook, Standards, Reports, Proceeding, Abstracts and Indexing, Data book, research papers and theses, Lecture Notes on Computer Science (LNCS). Assistance in the use of e-Resources, Cubic for research scholars, 30 Terminals for Internet Access, access to Theses and Dissertation, Plagiarism checking (similarity index checking) also made available to the users.

Library Promotion

The library conducted Information Literacy programme, workshops and other activities as follows:-

Information Literacy programme/ Workshop: On various e-Resources like Science Direct, Emerald Insight, ICE, Springer-Link, EBSCO, ASTM, ASCE, ASME, Access Engineering, IWA, IEEE-IEL and RemoteXs etc.

Central Library



Library magazines and newspaper section



Library Book Bank



Library Reading Room



13.2 Computer Centre



Head of the Computer Center
Dr. Manoj Kumar, head.cc@dce.ac.in

Knowledge Network Manager
Sh Piyush Vaish, piyushvaish@dtu.ac.in

Other Technical Staff

Sh Mukesh Kumar	Assistant Programmer
Sh Sudhir Kumar	Network Assistant
Sh Vinod Saini	Network Assistant
Sh Vikas Sinha	Junior Technical Assistant

DTU has a well-equipped centralized computer centre to cater to the needs of high profile students and faculty in the University. It is housed, in a magnificent state-of-the-art building having specialized laboratories to provide variety of platforms and computing environment for UG, PG and Research students. The centre possesses HP ML370, ML570 standalone servers & DL360, Dell R630 & R720 rack servers, Dell blade servers (power edge 1000e) and about 290 desktop computer of latest configuration (Intel Core i5 processor). These are working on Windows 7/8/8.1/10, server 2008 and Linux platforms. Additionally, it provides Microsoft product license for registered Windows and MS Office to DTU faculty.

DTU Campus wide Network

The centre is networked through high-end intelligent Dax/Avaya/D-Link/Brocade

manageable switch, and possesses round the clock two leased lines of 200 Mbps (Bharti Airtel) and 10Gbps link of NKN (shared bandwidth) in different pipes for the Wi-Fi connectivity in the Library, Academic, Departments, Administrative, Faculty residence and Hostel blocks of the campus, with internet facilities on all the nodes. Access for internet is given to end user after secure authentication. Network traffic is being monitored & controlled by full version of checkpoint (UTM). Presently all the 290 computers are connected through LAN in two floors of computer centre providing internet access. It is providing programming facilities to all the departments of the university. The departments/academic/library/administrative blocks, faculty residence and all the hostels of DTU are interconnected using 48 core & 6 core optical fiber cable(OFC) and Wi-Fi with 180 number of access points.

The present network setup satisfies the needs of the University's rudimentary Internet connectivity and maximum resource sharing for the connected departments. To put DTU on par with IITs and reputed NITs, it is necessary to use Information Technology as the backbone for its academic, research, consultancy and administrative ventures.

DTU Website

Computer Centre maintain DTU websites (www.dtu.ac.in), alumni portal, departments portal, library portal, IQAC portal, faculty portal, hostel portal, student portal, DTU times portal, and other related intranet/internet web services. The DTU website is updated by this centre on daily basis. The information on the website displayed after the approval of the concerned department, faculty or administrative offices.

Computer Centre provides mail services to the university teaching communities and administrative officers.

13.3 Department of Training and Placement

HoD : Prof. Rajesh Rohilla
 Associate HoD : Dr. Anil Singh Parihar
Staff : SOA: 1, ATPO: 1, JOA: 1
 and Attendant: 3

INFRASTRUCTURE

Group Discussion Rooms : **2**
 Interview Rooms/Cabins : **14+4**
 A/C Presentation Halls : **1**
 Dept. Office : **1**
 HOD Office : **1**
 Placement Coordinator Room : **1**
 LED Projectors: : **1**
 Computer Center (for online tests): **280 computers**

Delhi Technological University, one of the premier engineering universities in India, has always strived to produce the brightest minds in the country with their remarkable subject matter expertise, exceptional logical, analytical and practical skills. The university aims at nurturing the students into becoming world leaders and innovators who have the ability and passion to create a difference in the world.

With the mission of helping the leading organizations find the brightest minds of country, DTU entered the 2018-19 placement season at the end of July with full zest and vigor. In academic year 2018-19, a total of 323 organizations took part in campus placements and 1434 jobs were offered where as in 2017-18 a total of 292 organizations took part in campus placements and offered 1156 jobs. Students from Bachelor of Technology (B. Tech.), Master of Technology (M. Tech.), Master of Business Administration (MBA) programs in various fields of engineering and technology, participated in the placement process.

The process began in June 2018 by sending invitation to companies to visit the University for Pre-Placement Talks and provide their job announcements. The talks provided avenue for interaction and familiarization of students with the recruiting organizations and their work profile.

Organizations from a diverse background participated in the recruitment session offering a wide variety of profiles which can be broadly classified into: -

1. Core Engg & Tech
2. IT & IT Enabled services
3. Analytics and Consulting
4. Teaching
5. PSU/Govt.

Core Engineering and Technology

The students of DTU continued to demonstrate a strong commitment to their core educational background in the choice of employment. A large number of students opted for science, engineering and technology oriented jobs, with the recruiting companies operating in various sectors of the economy. Some of the core companies among the 78 that visited campus and selected 272 students are Maruti, Bajaj, Tata Motors, Schlumberger, Turner, L&T, Hyundai Samsung Engineering and R&D, Texas Instrument, CBRE, Philips, Qualcomm, Western Digital, Escorts to name a few.

IT and IT Enabled Services

Over 131 leading IT firms, including several global leaders, visited DTU for campus placements this year. These organizations work with large corporations across the world and help them resolve complex business problems. Management Consulting companies especially carry a

reputation of being very selective in their choice of campuses and of having extremely high standards in their recruitment process. Over 684 offers were made in software firms like, Google, Amazon, Directi, Microsoft IDC, Flipkart, Adobe, Texas Instrument, Paytm, Goldman Sachs, Tata communications, Expedia, Uber, SAP Labs to name a few.

Analytics & Consulting

The well deserved reputation of superior analytical and reasoning skills of DTU graduates continued to draw recruiters from the rapidly growing field of data analytics. There were 433 job offers from 99 organizations making it one of the biggest sector after information technology profile. Some companies that visited are Barclays, Deloitte, Future First, ZS Associates, EXL, UHG, KPMG, Bain, BCG, Tower Watson and many more.

Teaching

DTU has continued to provide faculty to several educational institutions and universities through campus recruitments over the past several years. Many post-graduate students have been offered jobs with public and private educational institutions through campus placement. Some of the educational institutes visiting DTU are MIET University, Vidya Mandir Classes, KIET, Aakash Institute, DIT.

Diverse Recruiters

While the placement season has seen recruiters from the entire spectrum of the job industry, the initial part of the season was dominated by a variety of firms from sectors like engineering and manufacturing, computer software, data analytics, management consulting, finance/banking and FMCG. Most of these firms are world leaders in their respective domains like Nestle, Ernst & Young and many more.

The placement season also witnessed students bagging international offers from world renowned organizations. Some of the Companies which made the hiring offers were facebook (London), Google (Munich), Landmark group (Dubai), Uniqlo (Tokyo) and Codenation (based out of Dubai).

Training Sessions

This year a key focus of the Department of Training and Placement was to provide industry relevant and skill enhancing trainings to make the students competent for the different roles.

A comprehensive training program was designed for the overall development of the students. The sessions that were conducted were segregated in the following broad categories:-

1. Skill enhancement Programs
2. Industry relevant training programs
3. Interview preparatory sessions
4. Sessions for research & higher studies

Skill Enhancement Programs

DTU students are expected to excel not only in technical knowledge but also in leadership, teamwork and other attributes. A large number of preparatory activities were conducted this year for the graduating students, including talks/expert lectures on skill enhancement. In addition, workshops to enhance communications skills, interview skills and group dynamics were also organized. Several talks with alumni working in diverse sectors were also organized to orient the students regarding different job requirements. The workshops aimed at enhancing the skillsets of students from diverse branches and backgrounds studying at DTU.

Industry relevant training Programs

To cope up with the ever changing industry trends and needs, The Department of Training and Placement conducted a wide variety of sessions to align the students' preparation with the industry requirements and also give them timely insights to the practical and emerging technologies and trends. These include workshops on various domains like electronics, mechanical, robotics, software, analytics and consulting to name a few. The workshops and training programs were organized in collaboration with prestigious organizations like Barclays, Bain and Company, ZS Associates, United Health Group, Texas Instruments, NXP, Fractal Analytics, Polestar, Adobe. These sessions not only helped the students by giving them a chance to interact with world leaders but also played a major role in strengthening the campus industry relationships.

Interview Preparatory sessions

The Department of Training & Placement has always believed in healthy training and nurturing of the students to make them ready for the placement process. To acquaint the students with the processes of different companies, mock interview sessions, specifically designed and customized as per the past process of each company, were conducted. Frequent group discussions, resume writing and case study rounds were also organized to help students in preparing for their dream company.

The Department of Training & Placement also collaborated with the specialized societies and clubs of the university in organizing interactive competitions to inculcate a healthy competitive spirit in the students. Some of the programs are:

1. Get an Intern
2. Case Study competition
3. Programmer's date
4. Gate Preparation Workshop
5. Placement Preparation Workshop
6. Software Development
7. LINUX workshop

Sessions for research and higher studies

A large number of students in DTU are interested in pursuing research or higher education after their graduation/post graduation. To cater to the needs of these students, T & P department organized various career counselling sessions focused majorly on higher education. In these sessions, experts from Harvard University, Carnegie Mellon University, National University Singapore, Nanyang Technological University and ISB visited the campus to guide the DTU students about the application process and addressed their doubts.

Highlights of the Training sessions

S. No.	Organization	Topic
1	SAP Labs	ML/Block Chain
2	Barclays (Rubicon)	Employability Skills/PI Preparation
3	Adobe	Digital Report Preparation
4	HPAP Academy	Grooming Session
5	Microsoft	Technology Trends
6	Oracle	ML/AI
7	Texas Instrument	Prep. for core electronics companies

Placement training sessions conducted by Department of Training and Placement, DTU were attended by more than 678 students which comprised of 15 sessions.

The sessions were addressed by faculty and many fourth year students who are currently placed at different companies.

The successful student placements in 2018-19 clearly demonstrated the demand of DTU graduates among the top recruiters in various segments of the economy. The recruiters appreciated the knowledge and training of our students. A majority of our past recruiters held their faith in our student's abilities and came to recruit in large numbers. Several new organizations also visited DTU for the first time, and we look forward to fostering long-term relationships with all these organizations.

The achievement of the Department of Training and Placement, combined with excellent academic system and the opportunity for all-round development, has also contributed to making DTU a preferred destination for both students and the companies.

The success of the placements endeavor can be attributed to the outstanding quality of our students as well as the tremendous support provided by the Institute administration, academic units, faculty and staff, alumni and other well-wishers. The Department of Training and Placement thank them and look forward for their continued support.

Training and Placement Officer's Visit for Building Corporate Relationship

Infosys (Feb-2019)-Prof. Rajesh Rohilla, Head along with Dr. Anil Singh Parihar Associate Head, Training and Placement attended the annual TPO meet organized by Infosys to enhance a cordial relationship with them.

Program-wise Placement Data for 2018-19

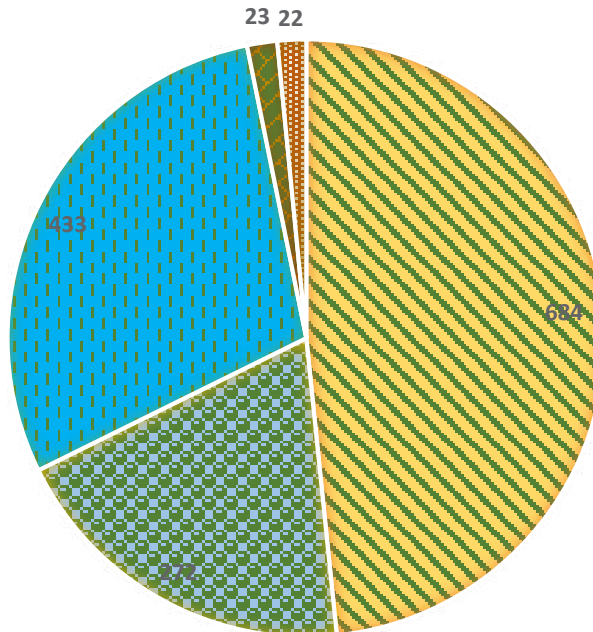
Program	Offers Made	Highest Package Offered
B. Tech.	1195	1.02 CrPA
M. Tech.	154	17.14 LPA
MBA	85	12 LPA

Placement Detail Sector-wise 2018-19

Sectors	Offers	Number of Organizations
Software /IT	684	131
CORE/R&D	272	78
COUNSULTING/ ANALYTICS	433	99
Teaching/Others	23	6
PSUs/Govt	22	9
Total	1434	323

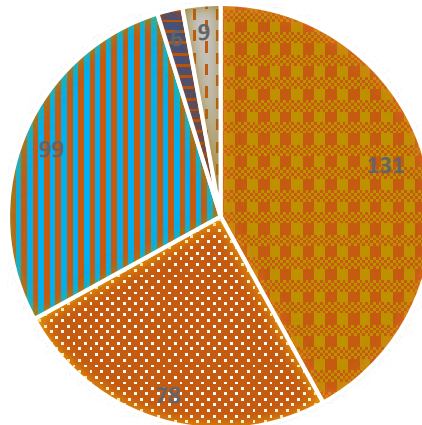
SECTOR WISE OFFERS MADE 2018-19

■ Software /IT ■ CORE/R&D ■ COUNSULTING/ANALYTICS ■ Teaching/Others ■ PSUs/Govt



SECTOR WISE ORGANISATION DISTRIBUTION 2018-19

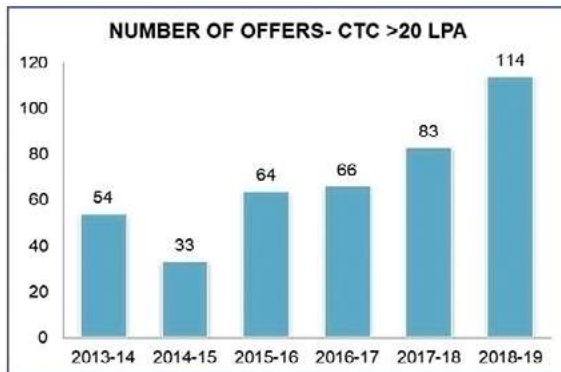
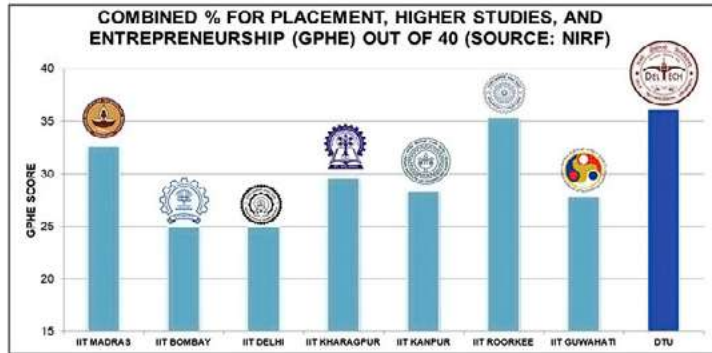
■ Software /IT ■ CORE/R&D ■ COUNSULTING/ANALYTICS ■ Teaching/Others ■ PSUs/Govt





DTU (DCE) PLACEMENT SNAPSHOT: 2018-19

300+ COMPANIES
1400+ OFFERS



HIGHEST INTERNATIONAL PACKAGE

facebook

INR 1 CRORE

HIGHEST DOMESTIC PACKAGE

Microsoft

INR 39 LPA

HIGHEST NON-TECH PACKAGE

LANDMARK GROUP

INR 28 LPA

MAJOR RECRUITERS



Name of Course	Name Of Department	No of Offers Made	No. Of Student Placed	No. of Internships and Field Training Offers Made	Highest Package Offered (in LPA)
B. Tech	Automotive Engineering	55	47	2	16.5
	Bio-Technology	15	11	2	13
	Civil Engineering	57	50	7	17.3
	Computer Engineering	158	122	162	40.63
	Electrical Engineering	105	86	11	24
	Electronics and Communication Engineering	157	125	26	39
	Electrical and Electronics Engineering	76	61	4	20.33
	Engineering Physics	34	27	1	16
	Environment Engineering	38	27	2	16
	Information Technology	107	86	43	40.63
	Mathematics and Computing	93	70	16	39
	Mechanical Engineering	150	117	20	23
	Polymer Science and Chemical Technology	32	27	5	14
	Production and Industrial Engineering	24	20	3	18
	Software Engineering	94	75	30	1.02 Cr
	Total	1195	951	334	---
M. Tech.	Civil Engineering	11	10	0	6
	Electrical Engineering	16	14	0	16.29
	Mechanical Engineering	28	22	0	8
	Computer Science Engineering	45	31	6	17.14
	Electronics And Communication Engineering	22	18	14	17.14
	Applied Physics	0	0	0	0
	Environment Engineering	2	2	0	4.72
	Applied Chemistry	3	3	0	4.32
	Information Technology	25	17	10	18.5
	Bio-Technology	2	2	0	8
		Total	154	119	30
MBA	MBA (All Specializations)	85	81	71	12
Grand Total		1434	1151	435	---

13.4 Sports and Gymnasium

Director Physical Education: Dr. A.K. Srivastava

Facilities

The students of Delhi Technological University are provided with excellent facilities and encouraged to take part in the tournaments held in and around NCR Delhi, particularly, engineering institutions. Delhi Technological University is having 400m running track, ground for Football, Hockey, Cricket, two courts for Volley Ball, two courts for Basketball, three courts for Tennis and five courts for Badminton, Three Kabaddi courts, Indoor Games facilities are also provided i.e. Table Tennis rooms, Chess rooms, Carom rooms and Gyms are also available in each hostel of the DTU campus. Sports council of DTU has organized several tournaments during 2017-18 academic sessions. The university has well equipped gymnasium with the modern equipments. The university students, faculty and staffs utilise this facility. There are two full gymnasiums in the university, one is situated in the sports ground and yet another is situated in the faculty residential area which is generally used by girl's students also.



The Main Cricket Field and Athletics track in the Sports Complex



The Volleyball, Basketball and Tennis Courts at the Sports Complex



Main football field adjacent to director's residence



The DTU Gymnasium

13.5 Health Centre

Dr. Rajesh Birok, Officer-In charge

The DTU is having a modest Health Centre manned by well experienced Doctors and other paramedical staff. A service of two general medicine practitioners is available to the students throughout the day. The University health centre is also visited by specialized medical practitioners for Eye, Dental care, Orthopedic, Gynecologic, Psychiatry etc. for expert advice and

treatment. University is also having tie up with nearby leading hospital viz., Ishan Hospital for emergency medical assistance for students. A large number of hospitals in the vicinity of the University are also on panel such as Saroj Hospital, Mahavir Hospital, Jaipur Golden Hospital and Max Hospital etc. Moreover a state of art sports medicine-cum-physiotherapy center has been providing the necessary expert advice. The following Doctors engaged in the university health center.

S. No.	Name	Expertise	Days	Timing
1	Dr. Ravi Bansal	General Physician	Mon to Sat (6 days in a week)	1 PM to 5 PM
2	Dr. Rajesh Singhai	General Physician	Mon to Sat (6 days in a week)	9 AM to 12 NOON
3	Dr. Arpana Bansal	Eye Specialist	Mon, Wed and Fri (3 days in a week)	1 PM to 3 PM
4	Dr. Bharat B. Sethi	Dentist	Mon, Wed and Fri (3 days in a week)	1 PM to 3 PM
5	Dr. Subodh Mor	Sports Medicine- cum- Physiotherapist (MPT)	Mon to Sat (6 days in a week)	1 PM to 4 PM
6	Dr. Dinesh Bansal	Orthopedician	Mon, Wed and Fri (3 days in a week)	1 PM to 3 PM
7	Dr. Gaurav Gupta	Psychiatrist	Tue and Thu (2 days in a week)	1 PM to 4 PM
8	Dr. Nishi Jha	Gynecologist	Tue and Thu (2 days in a week)	1 PM to 4 PM

- New doctors to be engaged very soon in the departments of
 - Clinical Psychology
 - ENT
 - Dermatology
 - Ayurveda
 - Homeopathy
- Two qualified new nursing staff [One Male and Two Female] deputed to provide adequate nursing facility to all the stake holders viz., students, faculty staff etc.
- Salary of doctors hiked up to another 25%.
- TI doubled from existing Rs 25,000/- to Rs 50,000/- to meet out the medicine and other consumables procurement expenditure.
- Generic medicines inventory improved and expanded with the intake of new medicines including rabies vaccines.
- New non-consumable items added such as

- New Air Conditioners installed in all the departments,
- New furniture such as tables, chairs, stools, benches & reception desk
- RO Water purifier system.
- Tea, coffee & soup making machine.
- Renovation related to civil and electrical works carried out nearly in all the departments of the health center.
- Purchase of new medical diagnostic and testing equipment is under process.
- Sign/flex boards put at all the prominent places to display vital information related to emergency services details, depression, stress symptoms and management.
- First aid boxes procured through stores and purchase for the distribution in the departments and central utilities of the university.
- Under the University Student Internship Program [USIP] one such student was engaged to carry on routine assignments related to university health Centre.
- Started the concepts of
 - feedback of the patients
 - monthly performance reports of doctors
 - biometric attendance of the paramedical staff.



13.6 Transport Office

Prof. Nitin Kumar Puri, Transport Officer

Sh A.K. Chauhan, Transport Consultant

The university has established a transport office with the following vehicles which are available in the University for Official Duties time to time.

S. No.	Type Vehicle	Registration No.	Attached With	Drivers
1	Maruti Ciaz	DL-11CB-2685	Hon'ble VC	Sh Amrender Jha (Out Source)
2	Honda City	DL-10CA-2100	Pro VC	Sh Sukhwant Singh (Contractual)
3	Ambassador	DL-8C-NA-3902	General Pool	Sh Updesh Saini (Contractual)
4	Scorpio	DL-4C-NB-4918	General Pool	Sh Rishi Pal Singh (Out Source)
5	Omni Van	DL-5CD-9975	General Pool	Sh Amit Tiwari (Out Source)
6	Ambulance	DL-1A-2507	Emergency and Trauma	Sh Mukesh (Permanent)

- The University also maintains a 35 seater CNG Bus (Swaraz Mazda, DL-1PC-3419) for the transportation of the University students and staff from nearest metro station (Badli/ Rithala) to the university campus Seven times in a day the bus is also provided for various educational and industrial tours by the students in the nearby areas.
- A Circular was issued vide F.No. DTU/Reg./Circular/2017-18/16 dated 07.09.2017.

13.7 Dr. B. R. Ambedkar Auditorium



The University has equipped, fully air-conditioned, state of art audio visual infrastructure for web casting in an auditorium having seating capacity of six hundred and fifty.

13.8 Store and Purchase Department

The Stores section has a quality system of Inventory management, which involves updated records of all stores/equipment's received and issued to the user department, Annual Stock Verification and Disposal of obsolete/unserviceable stores/equipment.

The Purchase section has a quality procurement policy. The important Consideration in purchase of Goods or services are (a) Quality (b) Reliability (c) efficiency (d) accountability and (e) Economy – Efforts are being made to ensure placement of contract/ Purchase Order within the original validity of the bids.

Specified quality and reliability of the supplier has to be taken into consideration with low cost involvement.

The purchase procedure being followed in this University is based on the guidelines enumerated in the General Financial Rules 2017.

This university has various committees of the faculties/officers for making purchases:

1. Central Purchase Committee (CPC): The committee has been constituted consisting of the senior faculty members for the purpose of scrutiny/ evaluation of all the purchase proposals of all the department of the University, which are having the estimated cost of the item more than Rs. 50 Lacs and submits its recommendation to the Vice Chancellor, DTU.

2. Computer and Computer Peripherals Committee (CCPC): The committee is constituted for the purposes of evaluation of all the purchase proposals pertaining to Computer and its peripherals and submits its recommendation to the Competent Authority.
3. Departmental Purchase Committee (DPC): The committee has been constituted at the department level under the Chairmanship of respective HOD of the Departments to securitize/ evaluate technical /financial bids of all the purchase proposals pertains to their department and to submit its recommendation to the Competent Authority.
4. Other than the above mentioned committees, the following committee are also constituted:
 - i) Stationery & Printing Committee and Miscellaneous items Committee.
 - ii) Liveries Committee
 - iii) Chemical & Glassware Committee.
 - iv. Sports Council.

The Purchase office consists of the following employees for its smooth functioning.

Officer in charge store and purchase
 Consultant (S & P)
 Chief store Keeper
 Junior Office Assistant (S & P)
 Assistant Store Keepers

13.9 Estate and Work

Review of Existing Infrastructure

The Delhi Technological University Campus at Bawana Road, was raised in 1997-98. While the total campus plot area is 163.87 acres (663154.03 sqm), only a part of it was constructed in the first phase of construction keeping in mind a target student population of 3,000 at that time. The approved area utilization norms followed are as under:

- Academic: 45% (73.23 Acres)
- Residential: 25% (40.68 Acres)
- Green/Open: 15% (24.41 Acres)
- Sports/Cultural: 15% (24.41 Acres)

Accordingly, the first phase of construction which was completed around 1997-98 comprised of a total built up area of 1, 58,840.41SqM with the break-up as follows:

- Academic Area 69,146.03 Sqm.
- Hostel Area 50,607.40 Sqm.
- Residential Area 39,086.98 Sqm.

The details of administrative and academic blocks of Delhi Technological University along with its corresponding approximate ground coverage and covered area details are as given below:

Administrative and Academic Blocks

S. No.	Type of Block	Total Gr. Coverage (SqM)	Total Covered Area on all Floors (SqM)
1	Administrative Block	1879.40	4063.66
2	Electrical Block	9628.64	23684.49
3	Electronics Block	9628.64	23684.49
4	Civil Engineering Block	9628.64	23684.49
5	Mechanical Engineering Block	4208.83	14291.10
6	Workshop Block	3416.20	3416.20
7	Science Block	2817.43	8667.78

Existing Administrative and Academic Blocks

- Administrative Block
- Electrical, Electronics and Civil Engineering Blocks
- Mechanical Engineering Block
- Workshop Block
- Science Block

The details of various central administrative and academic facilities at Delhi Technological University along with its corresponding approximate ground coverage and covered area details are as given under: -

Central Administrative and Academic Facilities

S. No.	Description of Block	Student Capacity	Total Gr. Coverage (SqM)	Total Covered area on all floors (SqM)
1	Main Library	400	2000.00	5500.00
2	Computer Centre	300	1500.00	3000.00
3	Multipurpose Lecture Theatre cum Seminar Hall (Auditorium)	550	2500.00	3000.00
4	Senate Hall	45	72.00	72.00
5	Exposition Hall	45	84.00	84.00
6	Smart Class room -I	90	144.00	144.00
7	Smart Class room -II	90	144.00	144.00
8	Seminar Hall (RN 307)	25	112	112
9	Edusat Hall	40	-	-

Central Administrative and Academic Facilities

- Main Library
- Computer Centre
- Multipurpose Lecture Theatre cum Seminar Hall (Auditorium)
- Senate Hall

- Smart Class Room
- Seminar Hall

The details of existing hostel accommodation for boys and girl students including capacity of each hostel and corresponding approximate ground coverage and covered area details are as given below.

S. No.	Hostel Name	Capacity	Total Gr. Coverage (SqM)	Total Covered area on all floors (SqM)
1	VVS Boys Hostel	178	11875.02	47500.08
2	JCB Boys Hostel	178		
3	VMH Boys Hostel	178		
4	CVR Boys Hostel	178		
5	BCH Boys Hostel	178		
6	HJB Boys Hostel	166		
7	Ramanujan Boys Hostel	65		
8	Aryabhatt Boys Hostel/ Type-I	168		
9	Type – II B – 5, Boys Hostel	24		
Total Boys :-		1313		
10	KCH Girls Hostel	45	776.83	3107.32
11	SNH Girls Hostel	99		
12	Type-III Block 1 Girls Hostel	70		
13	Type-III Block 2 Girls Hostel	48		
14	Type – II Block – 1 Girls Hostel	66		
15	Type – II Block –2,3, 4 Girls Hostel	72		
Total Girls :-		400		
Grand Total :-		1713		

Existing Hostels

- JCB Hostel
- VMH Hostel
- CVR Hostel
- BCH Hostel
- HJB Hostel
- Ramanujan Hostel
- Aryabhata Hostel
- Type – II B – 5

- KCH Hostel
- SNH Hostel
- Type-III Block 1 & 2 Girls Hostel

The details of residential accommodation for faculty and staff members including numbers of different type of houses with its corresponding approximate ground coverage and covered area details are as given below.

Residences

S. No	Type	No	Total Gr. Coverage (SqM)	Total Covered area on all floors (SqM)
1	Type VI Residence	1	200.00	250.00
2	Type V Residence	56	2984.68	11938.72
3	Type IV Residence	60	15650.56	6262.24
4	Type III Residences	45	878.28	3513.12
5	Type II Residence	105	1679.37	6717.48
6	Type I Residence	60	803.12	3212.48
7	Total	327		

Residential Area

- Type-I, Residence
- Type-II, Residence
- Type-III, Residence
- Type-IV, Residence
- Type-V, Residence

- Type-VI, VC Residence

The details of various central amenities provided in the campus for resident's boys and girl students including capacity of each hostel and corresponding approximate ground coverage and covered area details are as given below.

S. No.	Description of Blocks	Total Gr. Coverage (SqM)	Total Covered area on all floors (SqM)
1	Guest House (8 Double Bedded Rooms)	414.46	828.92
2	State Bank of India	2984.68	2984.68
3	Post Office	878.28	878.28
4	12 bedded hospital	782.40	1267.00
5	Nursery School (currently under occupation with PWD)	800.00	800.00
6	Main Canteen	700.00	1500.00

Central Amenities Area

- State Bank of India
- Post Office
- 12 Bedded Hospital
- Nursery School (Currently used by PWD)
- Main Canteen

Master Plan 2021: Delhi Technological University

The overall master plan envisaged for the Delhi Technological University to be constructed in different phases is summarised below: -

Permissible	Land (%)	Area (Sq.m.)	Ground Cov. (Sq.m.)		FAR (Sq.m.)		Height (Mts.)
Academic	45%	2 96 361	88 908	30.00%	3 55 634	120.00%	37
Residential	25%	1 64 645	54 876	33.33%	3 29 291	200.00%	NR
Community Spaces, Sports and cultural	15%	98 787	9 879	10.00%	14 818	15.00%	26
Parks and Landscaped Open Area	15%	98 787					
Total		6 58 581	1 53 663		6 99 742		
Existing	Land (%)	Area (Sq.M.)	Ground Cov. (Sq.M.)		FAR (Sq.M.)		Height (Mts.)
Academic	45%	2 96 361	30 673	10.35%	69 146	23.33%	16
Residential	25%	1 64 645	25 284	15.36%	89 694	54.48%	14.8
Community Spaces, Sports and cultural	15%	98 787	850	0.86%	850	0.86%	3.6
Parks and Landscaped Open Area	15%	98 787					
Total		6 58 581	56 807		1 59 689		

Proposed	Land (%)	Area (Sq.M.)	Ground Cov. (Sq.M.)		FAR (Sq.M.)		Height (Mts.)
Academic	45%	2 96 361	39 425	13.30%	2 41 069	81.34%	36.45
Residential	25%	1 64 645	29 310	17.80%	1 89 166	114.89%	41.85
Community Spaces, Sports and cultural	15%	98 787	4 060	4.11%	5 846	5.92%	15
Parks and Landscaped Open Area	15%	98 787					
Total		6 58 581	72 795		4 36 081		
Total	Land (%)	Area (Sq.M.)	Ground Cov. (Sq.M.)		FAR (Sq.M.)		Height (Mts.)

Proposed	Land (%)	Area (Sq.M.)	Ground Cov. (Sq.M.)		FAR (Sq.M.)		Height (Mts.)
Academic	45%	2 96 361	70 098	23.65%	3 10 215	104.67%	36.45
Residential	25%	1 64 645	54 594	33.16%	2 78 860	169.37%	41.85
Community Spaces	15%	98 787	4 910	4.97%	6 696	6.78%	15
Ancillary Services	15%	98 787					
Total		6 58 581	1 29 602		5 95 771		

Infrastructure proposed to be constructed in Phase II (Stage 1)

A proposal for construction of various academic and hostel buildings is under active consideration of the Govt of NCT Delhi. The second phase of construction at DTU submitted to the Govt includes construction of:

- Boys and Girls Hostels.
- Academic Blocks for the Newly Added UG and PG programs.

- Built-up space for the ongoing and future research and development centres.
- Built-up space for School of Management and Centre for Innovation and Techno-entrepreneurship.

The buildings proposed in Phase - II (Stage-I) and proposed area statement is as given below: -

S. No.	Building Names	Ground Coverage (Sq.m)	Built Up Area (Sq.m.)	No. of Storey
1	Boys Hostel H5	519	5895	B+G+11
2	Girls Hostel HG5	426	5937	B+G+11
3	Girls Hostel HG6	426	5937	B+G+11
4	Academic Block AB3	1809	18436	B+G+8
5	Academic Block AB4	2285	23198	B+G+8
	Total	5465	59403	

Expansion of DTU campus Ph-II: Phase-wise Construction plan



PHASE II

Proposed Buildings in Phase II with Existing Buildings of Phase-I East Delhi Vivek Vihar Campus

The Hon'ble Lt. Governor, Delhi has pleased to allow the use of existing Campus of Shaheed Sukhdev College of Business Studies, University of Delhi, and Vivek Vihar for running East Campus of Delhi Technological University (DTU) on temporary basis. Consequent upon this, new session for conducting various courses has been started at DTU East Delhi Campus at Vivek Vihar during the year 2017-18. Hon'ble Chief Minister of Delhi inaugurated the new Campus of DTU on 18th August, 2017. The existing plot area of DTU East Delhi Campus at Vivek Vihar is 8341 Sqm. (2.06 acre). The built up area comprising of the following buildings are as follows.

S. No.	Name of Building	Area (Sqm)	Remarks
1	Main Building	4,417.00	Four Storied
2	University School of Management and Entrepreneurship	576.68	Double Storied
3	Class Room Block-A & Canteen	382.11	Single Storey
4	Class Room Block-B	516.16	Double Storied
	Total	5,941.65	

East Delhi (ITI Mayur Vihar) Campus

A piece of land measuring 4852.8 sq.m. Has been allotted initially in ITI Mayur Vihar Campus for Establishment of East Delhi Campus/Constituent College of Delhi Technological University by the DTTE. For development of Campus the soil investigation work has already been carried out by PWD.



14 Other Facilities

14.1 DTU Studio

- The Television Studio at Delhi Technological University is an example of Innovation and Industry Academia Collaboration. The spacious television studio can handle Pre-Production, Production and Post-Production activities for various activities like Interview, Panel Discussion, short plays, lectures, etc.
- DTU Studio comprises of a multi camera setup with lighting grids and a Teleprompter, Production control room with control panels which can handle multiple video and audio sources online and offline, Graphics and special effects generators, video edit suites with a Mac equipped with Final Cut Pro Video Editing software, Motion, Live-Type, EDIUS 9.0 video editing software and Photoshop CS6, etc.
- Our experienced and competent team of professionals renders these services by making use of ultra-modern technology with quality standards in tandem with exact requirements and necessities as required. The offered services are highly demanded for their unique characteristics such as reliable solution, flexible approach, hassle-free management, promptness and professional approach.
- The students of Delhi Technological University are engaging in a whole range of In-house and Outdoor production activities. These activities are widely admired for their timely execution, promptness and hassle-free operations. In addition to this, trouble free operation and promptness of these activities is our strength and are rendered in the best possible way.

1. Infrastructure

- DTU STUDIO is having facility of two studios at Delhi Technological University. It has the facility of Indoor production as well as Outdoor production. One of the studios has the facility of Teleprompter, Chroma keying with virtual studio sets and all necessary equipments for video production.
- DTU STUDIO is equipped with sophisticated high end broadcasting quality equipments for production like Three Sony studio camera, Two Camcorder, Two Still camera, One Non-Linear Editing machine Mac Pro with Final Cut Pro Video Editing software, One Dell Precision T 7500 Workstation, One 7 Dell Precision tower 7810 dual Intel Xeon Workstation, VT-5 Live switcher, Sony D-800 Live switcher, Newtek live audio and video switcher, Two Yamma O1V96 digital Audio Consol, Two lite-puter CV12.

2. Utilization

- At present DTU STUDIO has started its web series “**ROOBAROO**” where aluminizes of DCE/DTU share their valuable life type experience with the audience and the same programmers are uploaded at the official You-Tube page “**DTUSTUDIO16**”.
- DTU STUDIO is covering all university Events, International Conferences, Departmental workshops, lab experiments, Student Fest, Alumni Meet as well as the Global Initiative of Academic Networks (GIAN) in Higher Education Programs where renowned

Experts faculty, Guest Lectures from internationally and national faculty lectures are recorded.

3. Services being offered

- With the support of our in-house facilities, we are busy in offering Pre production, Production and Post Production Facility for recording various programs like Interview, Panel Discussion, short plays, lectures, etc in the spacious television studio of the university located at the 1st floor of Civil/Environment Engineering department.
- To offer these services, we have hired skilled and innovative professionals that hold in-depth knowledge and immense experience in their respective domain. The offered services are committed for their flexibility, reliability and timely execution.
- Apart from this, we are engaged in offering an impeccable quality of Outdoor Photography and Video

Production Service with respect to suit the exact preferences as required. These services are available in various customized solutions as per the requirement. These services are widely admired for their timely execution, promptness and hassle-free operations.



YouTube Channel QR Code:

14.2 Guest House

- The guest house within the campus is meant for the staying purpose of individuals visiting DTU. The rooms are comfortable with all modern facilities available within. It consists of eight double bedded rooms. Dr. Rajesh Rohilla, Professor in Department of Electronics Engineering is the officer incharge.



Guest House (8 Double Bedded Rooms)

15 University Accounts

DELHI TECHNOLOGICAL UNIVERSITY

Balance Sheet as at 31st March, 2019

	Schedule	As at 31-03-2019	As at 31-03-2018
		(Rs)	(Rs)
SOURCES OF FUNDS			
CAPITAL FUND	1	3,453,201,245.20	3,347,381,600.54
CORPUS FUND	1A	445,159,045.00	416,089,799.00
DESIGNATED/EARMARKED/ ENDOWMENT FUNDS	2	1,136,130,718.67	725,242,856.72
CURRENT LIABILITIES AND PROVISIONS	3	69,775,316.00	98,975,992.00
TOTAL		5,104,266,324.87	4,587,690,248.26
APPLICATION OF FUNDS			
FIXED ASSETS	4		
Tangible Assets		2,629,227,914.00	2,569,993,605.00
Intangible Assets			
Capital Work In Progress		123,464,769.00	5,713,445.00
INVESTMENTS FROM EARMARKED FUNDS	5		
Long Term		1,427,499,181.00	995,413,725.00
INVESTMENTS - OTHERS	6	393,831,578.00	378,812,430.00
CURRENT ASSETS	7	463,086,597.87	572,132,353.26
LOANS,ADVANCES AND DEPOSITS	8	67,156,285.00	65,624,690.00
TOTAL		5,104,266,324.87	4,587,690,248.26
SIGNIFICANT ACCOUNTING POLICIES & NOTES TO ACCOUNTS	23		

Sd/-
Ajay Kumar Gupta
(Partner)
Chartered Accountants
M.A.M. & Associates

Sd/-
Cleetus K.M.
(Sr.AO/DDO)

Sd/-
Nand Kishore
D.R. (F&A)

Sd/-
Dr. Samsher
(Registrar)

Place : New Delhi
Dated : 6th August, 2019

DELHI TECHNOLOGICAL UNIVERSITY

Income and Expenditure Account for the Year ended 31st March, 2019

	Schedule	2018-2019	2017-2018
		(Rs)	(Rs)
INCOME			
Academic Receipts	9	924,398,387.12	680,751,973.16
Grant in Aid	10	260,000,000.00	270,000,000.00
Income From Investments	11	39,804,050.00	47,756,755.00
Interest Earned	12	-	-
Other Incomes	13	140,827,547.24	45,316,371.69
Prior Period Income	14	-	-
TOTAL (A)		1,365,029,984.36	1,043,825,099.85
EXPENDITURE			
Staff Payments & Benefits (Establishment Expenses)	15	673,770,483.00	577,969,999.00
Academic Expenses	16	55,165,619.00	45,793,370.00
Administrative and General Expenses	17	267,061,802.35	192,764,348.00
Transportation Expenses	18	575,572.00	1,097,228.00
Repair and Maintenance	19	156,778,121.00	55,661,210.00
Finance Costs	20	131,796.27	144,719.78
Depreciation	4	141,442,607.00	123,968,207.00
Other Expenses	21	-	-
Prior Period Expenses	22	-	-
TOTAL (B)		1,294,926,000.62	997,399,081.78
Balance being Excess of Income over Expenditure		70,103,983.74	46,426,018.07
Transfer To/From Designated Fund			
Building Fund		-	-
Others (specify)		-	-
Balance Being Surplus/(Deficit) Carried To Capital Fund		70,103,983.74	46,426,018.07
SIGNIFICANT ACCOUNTING POLICIES & NOTES TO ACCOUNTS	23		

Sd/-
Ajay Kumar Gupta
(Partner)
Chartered Accountants
M.A.M. & Associates

Place : New Delhi
Dated : 6th August, 2019

Sd/-
Cleetus K.M.
(Sr.AO/DDO)

Sd/-
Nand Kishore
D.R. (F&A)

Sd/-
Dr. Samsher
(Registrar)

DELHI TECHNOLOGICAL UNIVERSITY**Receipts and Payment Account for the Year Ended 31st March, 2019**

Amount in Rupees					
RECEIPTS	As at 31-03-2019	As at 31-03-2018	PAYMENTS	As at 31 st March, 2019	As at 31 st March, 2019
I. Opening Balance			I. Payments		
a) Cash Balance	-	-	a) Establishment Expenses	673,770,483.00	577,969,999.00
b) Bank Balance	-	-	b) Academic Expenses	55,165,619.00	45,793,370.00
i. In Current accounts	-	-	c) Adm inistrative Expenses	267,061,802.35	192,764,348.00
ii. In Deposit accounts	-	-	d) Transportation Expenses	575,572.00	1,097,228.00
iii. Saving accounts	572,132,353.26	366,809,965.34	e) Repair and Maintenance	156,778,121.00	55,661,210.00
			f) Finance Costs	131,796.27	144,719.78
			g) Prior Period Expenses	-	-
II. Grant Received			II. Payments against Earmarked / Endowment Fund	281,763,862.95	200,745,420.45
a) From Government of India	-	-			
b) From State Government					
(i) For Capital Expenditure	30,000,000.00	12,500,000.00			
(i) For Revenue Expenditure	260,000,000.00	270,000,000.00			
c) From Other sources (details)	-	-			
(Grants for capital & revenue exp / to be shown separately if available)					
III. Academic Receipts	924,398,387.12	680,751,973.16	III. Payment against Sponsored Projects/ Schemes	-	-
IV. Receipts against Earmarked / Endowment Funds	634,544,184.82	485,164,680.30	IV. Payment against Sponsored Fellowships / Scholarships	-	-

Amount in Rupees					
RECEIPTS	As at 31-03-2019	As at 31-03-2018	PAYMENTS	As at 31 st March, 2019	As at 31 st March, 2019
V. Receipts against Sponsored Projects/ Schemes	-	-	V. Investment and Deposits made		
			a) Out of Earmarked / Endowment Funds	1,043,962,414.00	1,008,288,386.00
			b) Out of own funds (Investments-Others)	2,193,704,834.00	876,870,819.00
VI. Receipts against Sponsored Fellowships and Scholarships	-	-	VI. Term Deposits with Scheduled Banks	-	-
VII. Income on Investments from			VII. Expenditure on Fixed Assets and Capital Works - in - Progress		
a) Earmarked / Endowment funds	40,933,713.00	48,732,524.00			
b) Other Investments	81,923,287.00	35,974,246.00	a) Fixed Assets	192,806,708.00	148,131,193.00
			b) Capital Works - in -Progress	123,464,769.00	149,934,520.00
VIII. Interest Received on			VIII. Other Payments including Statutory payments	195,336,203.00	128,219,202.00
a) Bank Deposits	-	-			
b) Loan and Advances	-	-			
c) Saving Bank Accounts	2,918,161.00	3,004,541.00			
IX. Investments encashed	2,798,186,795.00	1,882,038,702.00	IX. Refund of Grants	-	-
X. Term Deposits with Scheduled Banks encashed	-	-	X. Deposits and Advances	-	-

Amount in Rupees					
RECEIPTS	As at 31-03-2019	As at 31-03-2018	PAYMENTS	As at 31 st March, 2019	As at 31 st March, 2019
XI. Other Income (including Prior Period Income)	-	-	XI. Other Payments	4,844,054.00	1,287,404.00
XII. Deposits and Advances	-	-	XII. Closing Balance	-	-
			a) Cash in hand	-	-
			a) Bank Balance	-	-
			In Current accounts	-	-
			In Saving accounts	463,086,597.87	572,132,353.26
			In Deposit accounts	-	-
XIII. Miscellaneous Receipts including Statutory Receipts.	307,415,955.24	174,063,540.69			
XIV. Any other Receipts	-	-			
Total	5,652,452,836.44	3,959,040,172.49	Total	5,652,452,836.44	3,959,040,172.49

Sd/-

Ajay Kumar Gupta
(Partner)
Chartered Accountants
M.A.M. & Associates

Place : New Delhi
Dated : 6th August, 2019

Sd/-

Cleetus K.M.
(Sr.AO/DDO)

Sd/-


Nand Kishore
D.R. (F&A)


Sd/-


Dr. Samsher
(Registrar)

DELHI TECHNOLOGICAL UNIVERSITY
BALANCE SHEET AS AT 31ST MARCH, 2019


	Schedule	As at 31-03-2019 (Rs)	As at 31-03-2018 (Rs)
SOURCES OF FUNDS			
CAPITAL FUND	1	3,453,201,245.20	3,347,381,600.54
CORPUS FUND	1A	445,159,045.00	416,089,799.00
DESIGNATED/EARMARKED/ENDOWMENT FUNDS	2	1,136,130,718.67	725,242,856.72
CURRENT LIABILITIES AND PROVISIONS	3	69,775,316.00	98,975,992.00
TOTAL		5,104,266,324.87	4,587,690,248.26
APPLICATION OF FUNDS			
FIXED ASSETS			
Tangible Assets	4	2,629,227,914.00	2,569,993,605.00
Intangible Assets			
Capital Work In Progress		123,464,769.00	5,713,445.00
INVESTMENTS FROM EARMARKED FUNDS			
Long Term	5	1,427,499,181.00	995,413,725.00
INVESTMENTS - OTHERS			
	6	393,831,578.00	378,812,430.00
CURRENT ASSETS			
	7	463,086,597.87	572,132,353.26
LOANS, ADVANCES AND DEPOSITS			
	8	67,156,285.00	65,624,690.00
TOTAL		5,104,266,324.87	4,587,690,248.26
SIGNIFICANT ACCOUNTING POLICIES & NOTES TO ACCOUNTS	23		


Cleetus K.M
(Sr.AO/DDO)


Nand Kishore
D.R (F&A)


Dr. Samsher
(Registrar)

Place : New-Delhi
Dated : 6th August, 2019



Delhi Technological University
(Estd. By Govt. of Delhi)
Shahbad Daultpur, Barwala Road
Delhi-110042


DELHI TECHNOLOGICAL UNIVERSITY
INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31ST MARCH, 2019

	Schedule	2018-2019 (Rs)	2017-2018 (Rs)
INCOME			
Academic Receipts	9	924,398,387.12	680,751,973.16
Grant in Aid	10	260,000,000.00	270,000,000.00
Income From Investments	11	39,804,050.00	47,756,755.00
Interest Earned	12	-	-
Other Incomes	13	140,827,547.24	45,316,371.69
Prior Period Income	14	-	-
TOTAL (A)		1,365,029,984.36	1,043,825,099.85
EXPENDITURE			
Staff Payments & Benefits (Establishment Expenses)	15	673,770,483.00	577,969,999.00
Academic Expenses	16	55,165,619.00	45,793,370.00
Administrative and General Expenses	17	267,061,802.35	192,764,348.00
Transportation Expenses	18	575,572.00	1,097,228.00
Repair and Maintenance	19	156,778,121.00	55,661,210.00
Finance Costs	20	131,796.27	144,719.78
Depreciation	4	141,442,607.00	123,968,207.00
Other Expenses	21	-	-
Prior Period Expenses	22	-	-
TOTAL (B)		1,294,926,000.62	997,399,081.78
Balance being Excess of Income over Expenditure		70,103,983.74	46,426,018.07
Transfer To/From Designated Fund		-	-
Building Fund		-	-
Others (specify)		-	-
Balance Being Surplus/(Deficit) Carried To Capital Fund		70,103,983.74	46,426,018.07

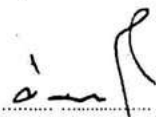
SIGNIFICANT ACCOUNTING POLICIES & NOTES TO ACCOUNTS 23


Chetans K.M.
(Sr.AO/DDO)


Nand Kishore
D.R (F&A)


Dr. Samsheer
(Registrar)

Place : New Delhi
Dated : 6th August, 2019


Vice-Chancellor
Delhi Technological University
(Inst. By Govt. of N.C.T. of Delhi)
Shahbad Dastipur, Bawana Road
Delhi-110042

DELHI TECHNOLOGICAL UNIVERSITY
RECEIPTS AND PAYMENT ACCOUNT FOR THE YEAR ENDED 31ST MARCH, 2019

RECEIPTS	As at 31-03-2019	As at 31-03-2018	PAYMENTS	As at 31-03-2019	As at 31-03-2018
I. Opening Balance			I. Payments:		
a) Cash Balance	-	-	a) Establishment Expenses	673,770,483.00	577,969,999.00
b) Bank Balance	-	-	b) Academic Expenses	55,165,619.00	45,793,370.00
i. In Current accounts	-	-	c) Administrative Expenses	267,061,802.35	192,764,348.00
ii. In Deposit accounts	-	-	d) Transportation Expenses	575,572.00	1,097,228.00
iii. Saving accounts	572,132,353.26	366,809,965.34	e) Repair and Maintenance	156,778,121.00	55,661,210.00
			f) Finance Costs	131,796.27	144,719.78
			g) Prior Period Expenses		
II. Grant Received			II. Payments against Earmarked / Endowment Fund	281,763,862.95	200,745,420.45
a) From Government of India					
b) From State Government					
(i) For Capital Expenditure	30,000,000.00	12,500,000.00			
(ii) For Revenue Expenditure	260,000,000.00	270,000,000.00			
c) From Other sources (details)					
(Grants for capital & revenue exp / to be shown separately if available)					
III. Academic Receipts	924,398,387.12	680,751,973.16	III. Payment against Sponsored Projects/ Schemes		
IV. Receipts against Earmarked / Endowment Funds	634,544,184.82	485,164,680.30	IV. Payment against Sponsored Fellowships / Scholarships		
V. Receipts against Sponsored Projects/ Schemes			V. Investment and Deposits made		
			a) Out of Earmarked /Endowment Funds	1,043,962,414.00	1,008,288,386.00
			b) Out of own funds (Investments-Others)	2,193,704,834.00	876,870,819.00
VI. Receipts against Sponsored Fellowships and Scholarships			VI. Term Deposits with Scheduled Banks		
VII. Income on Investments from			VI. Expenditure on Fixed Assets and Capital Works - in - Progress		
a) Earmarked / Endowment funds	40,933,713.00	48,732,524.00	a) Fixed Assets	192,806,708.00	148,131,193.00
b) Other Investments	81,923,287.00	35,974,246.00	b) Capital Works - in -Progress	123,464,769.00	149,934,520.00

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VII. Interest Received on a) Bank Deposits b) Loan and Advances c) Saving Bank Accounts	- 2,918,161.00 -	- 3,004,541.00 -	VII. Other Payments including Statutory payments	195,336,203.00	128,219,202.00
IX. Investments encashed	7,798,186,795.00	1,882,038,702.00	IX. Refund of Grants	-	-
X. Term Deposits with Scheduled Banks encashed	-	-	X. Deposits and Advances	-	-
XI. Other Income (including Prior Period Income)	-	-	XI. Other Payments	4,844,054.00	1,287,404.00
XII. Deposits and Advances	-	-	I. Closing Balance a) Cash in hand a) Bank Balance In Current accounts In Saving accounts In Deposit accounts	- - - 463,086,597.87	572,132,353.26
XIII. Miscellaneous Receipts including Statutory Receipts.	307,415,955.24	174,063,540.69			
XI. Any other Receipts	-	-			
Total	5,652,452,836.44	3,959,040,172.49	Total	5,652,452,836.44	3,959,040,172.49

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Delhi-110042

Place : New Delhi
Dated : 6th August, 2019

16 Annexure

16.1 Journal Publications

S. No.	Title of the Paper	Authors Name	Department Name	Journal title	Publication Year
1	Analysis of challenges faced by Indian logistics service providers	Gupta A., Singh R.K., Suri P.K.	Delhi School of Management, Delhi Technological University	Operations and Supply Chain Management	2018
2	Spectroscopic study of EUV and SXR transitions of Cs XXV	Goyal A., Khatri I., Singh N., Aggarwal S., Singh A.K., Sharma R.	Department of Applied Physics, Delhi Technological University	Canadian Journal of Physics	2018
3	A Review of Particle Swarm Optimization	Jain N.K., Nangia U., Jain J.	Department of Electrical Engineering, Delhi Technological University	Journal of The Institution of Engineers	2018
4	Measure of entropy for past lifetime and k-record statistics	Goel R., Taneja H.C., Kumar V.	Department of Applied Mathematics, Delhi Technological University	Physica A: Statistical Mechanics and its Applications	2018
5	Molecular characterization, modeling, and docking analysis of late phytic acid biosynthesis pathway gene, inositol polyphosphate 6-/3-/5-kinase, a potential candidate for developing low phytate crops	Punjabi M., Bharadvaja N., Sachdev A., Krishnan V.	Department of Biotechnology, Delhi Technological University	3 Biotech	2018
6	Dynamic frequency based parallel k-bat algorithm for massive data clustering (DFBPKBA)	Tripathi A.K., Sharma K., Bala M.	Department of Information Technology, Delhi Technological University	International Journal of Systems Assurance Engineering and Management	2018
7	Effect of hybrid wire EDM conditions on generation of residual stresses in machining of HCHCr D2 tool steel under ultrasonic vibration	Kumar S., Grover S., Walia R.S.	Department of Mechanical Engineering, Delhi Technological University	International Journal on Interactive Design and Manufacturing	2018
8	Multiwalled carbon nanotube modified microfluidic-based biosensor chip for nucleic acid detection	Ghrra A.S., Pandey C.M., Malhotra B.D.	Department of Applied Chemistry, Department of Biotechnology, Delhi Technological University	Sensors and Actuators, B: Chemical	2018
9	Threats to validity in search-based predictive modelling for software engineering	Malhotra R., Khanna M.	Department of Computer Science & Engineering, Delhi Technological University	IET Software	2018
10	Vertex Equitable Labeling of Signed Bistars	Jain R., Acharya M., Kansal S.	Department of Applied Mathematics, Delhi Technological University	National Academy Science Letters	2018

S. No.	Title of the Paper	Authors Name	Department Name	Journal title	Publication Year
11	Electrochemical studies of novel olivine-layered (LiFePO ₄ -Li ₂ MnO ₃) dual composite as an alternative cathode material for lithium-ion batteries	Saroha R., Panwar A.K., Gaur A., Sharma Y., Kumar V., Tyagi P.K.	Department of Applied Physics, Delhi Technological University	Journal of Solid State Electrochemistry	2018
12	Third party logistics (3PL) selection for cold chain management: a fuzzy AHP and fuzzy TOPSIS approach	Singh R.K., Gunasekaran A., Kumar P.	Department of Mechanical Engineering, Delhi Technological University	Annals of Operations Research	2018
13	Video benchmarks of human action datasets: a review	Singh T., Vishwakarma D.K.	Department of Electronics & Communication Engineering, Department of Information Technology, Delhi Technological University	Artificial Intelligence Review	2019
14	Desulfurization of FCC gasoline by using spiral wound pervaporation module: Removal of different types of sulfur-containing species	M. Jain, S.K. Gupta	Department of Applied Chemistry, Delhi Technological University	Chemical Engineering Research and Design 336 (2018) 105-118.	2018
15	Vertex equitable labelling of signed bistars	Jain R., Acharya M., Kansal S.	Department of Applied Mathematics, Delhi Technological University	National Academy Science Letters (Springer)	2018
16	Measure of Entropy for past lifetime and k Record Statistics.	Goel R., Taneja H.C., Kumar V.	Department of Applied Mathematics, Delhi Technological University	Physica A (2018) Vol 503, 623-631.	2018
17	New transitivity property of intuitionistic multiplicative preference relation and its application in missing value estimation	Sahu M., Gupta A.	Department of Applied Mathematics, Delhi Technological University	Annals of Fuzzy Mathematics and Informatics	2018
18	Ricci dark energy model with bulk viscosity	Singh C.P., Kumar A.	Department of Applied Mathematics, Delhi Technological University	European Physical Journal Plus	2018
19	Molecular characterization, modeling and docking analysis of late phytic acid biosynthesis pathway gene, inositol polyphosphate 6-/3-/5-kinase, a potential candidate for developing low phytate crops	Punjabi M., Bharadvaja N., Sachdev A., Krishnan V.	Department of Biotechnology, Delhi Technological University	3Biotech	2018

S. No.	Title of the Paper	Authors Name	Department Name	Journal title	Publication Year
20	Reactive Power Management of Islanded Microgrid Using UPFC	Gandhar S., Ohri J., Singh M.	Department of Electronics & Communication Engineering, Department of Electrical Engineering, Delhi Technological University	Asian Journal of Water, Environment and Pollution	2019
21	Uncertainty Estimation in PM10 Mass Measurements	Pokhriyal J., Mandal A., Aggarwal S.G.	Department of Environment Engineering, Delhi Technological University	MAPAN-Journal of Metrology Society of India	2019
22	Thermodynamic analysis of ORC based thermal power plant for performance improvement-A review	Mishra R.S., Khan Y.	Department of Mechanical Engineering, Delhi Technological University	International Journal of Research in Engineering and Innovation	2019
23	Thermodynamic analysis of two stage cascade refrigeration systems using R-1234ZE in high temperature circuit and R1234YF in low temperature circuit	Mishra R.S.	Department of Mechanical Engineering, Delhi Technological University	International Journal of Research in Engineering and Innovation	2019
24	Performance analysis of vapour compression refrigeration systems using eighteen ecofriendly and other CFC refrigerants	Mishra R.S.	Department of Mechanical Engineering, Delhi Technological University	International Journal of Research in Engineering and Innovation	2019
25	Thermodynamic analysis of two stages cascade refrigeration system using r-1234ze in high temperature circuit and r1234yf in low temperature circuit for replacing HFC (R-134a) refrigerant	Mishra R.S.	Department of Mechanical Engineering, Delhi Technological University	International Journal of Research in Engineering and Innovation	2018
26	Method for improving thermodynamic performance of vapour compression refrigeration system using nanofluids- A Review	Mishra R.S.	Department of Mechanical Engineering, Delhi Technological University	International Journal of Research in Engineering and Innovation	2018
27	Experimental & theoretical validation of thermodynamic performance of vapour compression refrigeration system using ecofriendly refrigerants	Mishra R.S.	Department of Mechanical Engineering, Delhi Technological University	International Journal of Research in Engineering and Innovation	2018

S. No.	Title of the Paper	Authors Name	Department Name	Journal title	Publication Year
28	Thermodynamic analysis of combined cycle power plant with trans-critical cycle integrated with solar system for power generation for space heating and cooling	Mishra R.S., Bahl A.	Department of Mechanical Engineering, Delhi Technological University	International Journal of Research in Engineering and Innovation	2019
29	Thermodynamic models for combined cycle power plants used in organic Rankine & Brayton Cycles	Mishra R.S., Kumar A. M.	Department of Mechanical Engineering, Delhi Technological University	International Journal of Research in Engineering and Innovation	2019
30	Multi objective hybrid optimization(DAAL) for efficient job shop scheduling	Kumar V., Singh O., Mishra R.S.	Department of Mechanical Engineering, Delhi Technological University	International Journal of Advanced Research in Engineering and Technology	2018
31	Moderating effects of age, income and internet usage on Online Brand Community (OBC)-induced purchase intention	Tiruwa A., Yadav R., Suri P.K.	Delhi School of Management, Delhi Technological University	Journal of Advances in Management Research	2018
32	Benchmarking the logistics management implementation using Delphi and fuzzy DEMATEL	Mangla S.K., Luthra S., Jakhar S.K., Tyagi M., Narkhede B.E.	Department of Mechanical Engineering, Delhi Technological University	Benchmarking	2018
33	Community Trolling: An Active Learning Approach for Topic Based Community Detection in Big Data	Gupta P., Jindal R., Sharma A.	Department of Computer Science & Engineering, Delhi Technological University	Journal of Grid Computing	2018
34	Spectroscopic investigations on Dy ³⁺ ions doped zinc lead alumino borate glasses for photonic device applications	Deopa N., Saini S., Kaur S., Prasad A., Rao A.S.	Department of Applied Physics, Delhi Technological University	Journal of Rare Earths	2019
35	Spectroscopic Investigations on Dy ³⁺ ions doped Zinc Lead Alumino Borate Glasses for Photonic Applications	Deopa N., Saini S., Kaur S., Prasad A., Rao A.S.	Department of Applied Physics, Delhi Technological University	Journal of Rare Earths	2019
36	Epitaxial growth of GaN nanostructure by PA-MBE for UV detection application	Goswami L., Pandey R., Gupta G.	Department of Electronics & Communication Engineering, Delhi Technological University	Applied Surface Science	2018
37	Physical properties and electrochemical performance of Zn-substituted Na _{0.44} Mn _{1-x} Zn _x O ₂ nanostructures as cathode in Na-ion batteries	Chandra M., Shukla R., Saroha R., Panwar A.K., Gupta A., Basu S., Dhaka R.S.	Department of Applied Physics, Delhi Technological University	Ceramics International	2018

S. No.	Title of the Paper	Authors Name	Department Name	Journal title	Publication Year
38	Electrochemical genosensor based on carboxylated graphene for detection of water-borne pathogen	Jaiswal N., Pandey C.M., Soni A., Tiwari I., Rosillo-Lopez M., Salzmann C.G., Malhotra B.D., Sumana G.	Department of Applied Chemistry, Department of Biotechnology, Delhi Technological University	Sensors and Actuators, B: Chemical	2018
39	Thermodynamic analysis of low-grade solar heat source-powered modified organic Rankine cycle using zeotropic mixture (Butane/R1234yf)	Tiwari D., Sherwani A.F., Arora A.	Department of Mechanical Engineering, Delhi Technological University	International Journal of Ambient Energy	2018
40	Preclinical evaluation and molecular docking of 1,3-benzodioxole propargyl ether derivatives as novel inhibitor for combating the histone deacetylase enzyme in cancer	Kumar N., Tomar R., Pandey A., Tomar V., Singh V.K., Chandra R.	Department of Biotechnology, Delhi Technological University	Artificial Cells, and Nanomedicine Biotechnology	2018
41	A aptasensor for rapid and sensitive detection of estrogen receptor alpha in human breast cancer	Ahirwar R., Dalal A., Sharma J.G., Yadav B.K., Nahar P., Kumar A, and Kumar S	Department of Biotechnology, Delhi Technological University	Biotechnology and Bioengineering.	2018
42	The continuous culture of <i>Brachionus plicatilis</i> with sea water	Sharma J.G., Masuda R., Tanaka M., and Chakrabarti R	Department of Biotechnology, Delhi Technological University	Madridge Journal of Aquaculture Research & Development (Madridge Publishers)	2018
43	Wireless sensor network for aquaculture: Review, survey, and case study of aquaculture practices in western Godavari region	Shareef Z., Reddy S.R.N.		Journal of Ambient Intelligence and Smart Environments	2018
44	Dynamic analysis of vehicle-track interaction due to wheel flat using bond graph	Kumar V., Rastogi V., Pathak P.M.	Department of Mechanical Engineering, Delhi Technological University	Journal of Multi-body Dynamics	2018
45	Volterra bound interval type-2 fuzzy logicbased approach for multiple power quality events analysis	Kapoor R., Kumar R., Tripathi M.M.	Department of Electronics & Communication Engineering, Department of Electrical Engineering, Delhi Technological University	IET Electrical Systems in Transportation	2018
46	Photoluminescence investigations on Dy ³⁺ ions doped Zinc Lead Tungsten Tellurite glasses for optoelectronic devices	Sharma R., Rao A.S.	Department of Applied Physics, Delhi Technological University	Journal of Non-Crystalline Solids	2018

S. No.	Title of the Paper	Authors Name	Department Name	Journal title	Publication Year
47	Movie recommender system with metaheuristic artificial bee	Katarya R.	Department of Computer Science & Engineering, Delhi Technological University	Neural Computing and Applications	2018
48	Recommender system with grey wolf optimizer and FCM	Katarya R., Verma O.P.	Department of Computer Science & Engineering, Department of Electronics & Communication Engineering, Delhi Technological University	Neural Computing and Applications	2018
49	Stock market development and economic growth: Evidence from bootstrap panel Granger causality test	Sharma R., Bardhan S.	University School of Management & Entrepreneurship, Delhi Technological University	Journal of Economic Development	2018
50	S-Shaped Metamaterial Ultra-Wideband Directive Patch Antenna	Dawar P., De A., Raghava N.S.	Department of Electronics & Communication Engineering, Delhi Technological University	Radioelectronics and Communications Systems	2018
51	Online Object Tracking via Novel Adaptive Multicue Based Particle Filter Framework for Video Surveillance	Walia G.S., Kapoor R.	Department of Electronics & Communication Engineering, Delhi Technological University	International Journal on Artificial Intelligence Tools	2018
52	Prioritizing Critical Success Factors for Sustainable Service Quality Management by Logistics Service Providers	Gupta A., Singh R.K., Suri P.K.	Delhi School of Management, Delhi Technological University	Vision	2018
53	Effect of Homocysteine on Biofilm Formation by Mycobacteria	Virmani R., Hasija Y., Singh Y.	Department of Biotechnology, Delhi Technological University	Indian Journal of Microbiology	2018
54	Distinguishing different classes of entanglement of three-qubit pure states	Datta C., Adhikari S., Das A., Agrawal P.	Department of Applied Mathematics, Delhi Technological University	European Physical Journal D	2018
55	Structure, magnetism and electrical transport in epitaxial La _{0.23} Pr _{0.41} Ca _{0.36} MnO ₃ thin films: Consequences of film thickness	Singh S., Tyagi P.K., Singh H.K.	Department of Applied Physics, Delhi Technological University	AIP Advances	2018
56	Electrochemical genosensor based on template assisted synthesized polyaniline nanotubes for chronic myelogenous leukemia detection	Soni A., Pandey C.M., Solanki S., Kotnala R.K., Sumana G.	Department of Applied Chemistry, Delhi Technological University	Talanta	2018

S. No.	Title of the Paper	Authors Name	Department Name	Journal title	Publication Year
57	An efficient approach for facial action unit intensity detection using distance metric learning based on cosine similarity	Rathee N., Ganotra D.		Signal, Image and Video Processing	2018
58	Cryogenic measurement set-up for characterization of superconducting nano structures for single-photon detection applications	Singh M., Chaujar R., Rakshit R.K.	Department of Applied Physics, Delhi Technological University	Current Science	2018
59	An emerging nanostructured molybdenum trioxide-based biocompatible sensor platform for breast cancer biomarker detection	Augustine S., Joshi A.G., Yadav B.K., Mehta A., Kumar P., Renugopalakrishnan V., Malhotra B.D.	Department of Biotechnology, Department of Electrical Engineering, Delhi Technological University	MRS Communications	2018
60	Multi-organ on a chip for personalized precision medicine	Palaninathan V., Kumar V., Maekawa T., Liepmann D., Paulmurugan R., Eswara J.R., Ajayan P.M., Augustine S., Malhotra B.D., Viswanathan S., Renugopalakrishnan V., Sakthi Kumar D.	Department of Biotechnology, Delhi Technological University	MRS Communications	2018
61	Electrochemical and spectroscopic studies of riboflavin	Singh R., Rathore D., Pandey C. M., Geetanjali, Srivastava R.	Department of Applied Chemistry, Delhi Technological University	Analytical Chemistry Letters	2018
62	Matrix Games with Interval valued 2-tuple Linguistic Information	Singh A., Gupta A.	Department of Applied Mathematics, Delhi Technological University	Games	2018
63	A2B Corroles: Fluorescence signaling systems for sensing fluoride ions	Yadav O., Varshney A., Kumar, A., Ratnesh R.K., Mehata M.S.	Department of Applied Physics, Department of Applied Chemistry, Delhi Technological University	Spectrochimica Acta A: Molecular and Bimolecular Spectroscopy	2018
64	Isolationist versus Integrationist: An Indian Perspective on High-Performance Work Practices	Garg N.	University School of Management and Entrepreneurship, Delhi Technological University	FIIB Business Review	2018
65	Matrix games with interval-valued 2-tuple linguistic information	Singh A., Gupta A.	Department of Applied Mathematics, Delhi Technological University	Games	2018

S. No.	Title of the Paper	Authors Name	Department Name	Journal title	Publication Year
66	Discussion of “Characteristics of hydraulic jump on rough bed with adverse slope” by Parastoo Parsamehr, Davoud Farsadizadeh, Ali Hosseinzadeh Dalir, Akram Abbaspour and Mohammad Javad Nasr Esfahani (2017)	Mazumder S.K.	Department of Civil Engineering, Delhi Technological University	ISH Journal of Hydraulic Engineering	2018
67	Performance of MRC receiver over Hoyt/lognormal composite fading channel	Kumar S., Soni S.K., Jain P.	Department of Electronics & Communication Engineering, Delhi Technological University	International Journal of Electronics	2018
68	The Astropy Project: Building an Open-science Project and Status of the v2.0 Core Package	Price-Whelan A.M., Sipőcz B.M., Günther H.M., Lim P.L., Crawford S.M., Conseil S., Shupe D.L., Craig M.W., Dencheva N., Ginsburg A., Vanderplas J.T., Bradley L.D., Pérez-Suárez D., De Val-Borro M., Aldcroft T.L., Cruz K.L., Robitaille T.P., Tollerud E.J., Ardelean C., Babej T., Bach Y.P., Bachetti M., Bakanov A.V., Bamford S.P., Barentsen G., Barmby P., Baumbach A., Berry K.L., Biscani F., Boquien M., Bostroem K.A., Bouma L.G., Brammer G.B., Bray E.M., Breytenbach H., Buddelmeijer H., Burke D.J., Calderone G., Rodríguez J.L.C., Cara M., Cardoso J.V.M., Cheedella S., Copin Y., Corrales L., Crichton D., D’Avella D., Deil C., Depagne É., Dietrich J.P., Donath A., Droettboom M., Earl N., Erben T., Fabbro S., Ferreira L.A., Finethy T., Fox R.T., Garrison L.H., Gibbons S.L.J.	Department of Applied Physics, Delhi Technological University	Astronomical Journal	2018

S. No.	Title of the Paper	Authors Name	Department Name	Journal title	Publication Year
69	Time-Domain Solution for Corner Diffraction of UWB Signals by Flat Plate Structures with the Higher Order Diffraction Included	Bansal B., Soni S., Jaiswal R.K., Kumar V.	Department of Electronics & Communication Engineering, Delhi Technological University	IETE Journal of Research	2018
70	Sensitization of Yb ³⁺ by Nd ³⁺ emission in alkaline-earth chloro borate glasses for laser and fiber amplifier applications	Talewar R.A., Mahamuda S.K., Swapna K., Rao A.S.	Department of Applied Physics, Delhi Technological University	Journal of Alloys and Compounds	2019
71	A 2 B corroles: Fluorescence signaling systems for sensing fluoride ions	Yadav O., Varshney A., Kumar A., Ratnesh R.K., Mehata M.S.	Department of Applied Chemistry, Delhi Technological University	Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy	2018
72	Selection of warehouse location for a global supply chain: A case study	Singh R.K., Chaudhary N., Saxena N.	Department of Mechanical Engineering, Delhi Technological University	IIMB Management Review	2018
73	Investigation on a solar thermal power and ejector-absorption refrigeration system based on first and second law analyses	Khalig A., Kumar R., Mokheimer E.M.A.	Department of Mechanical Engineering, Delhi Technological University	Energy	2018
74	MetaXplorer: an intelligent and adaptable metasearch engine using a novel ordered weighted averaging operator	Dimri N., Kaul H., Gupta D.	Department of Computer Science & Engineering, Delhi Technological University	International Journal of Systems Assurance Engineering and Management	2018
75	Multi-document Summarization and Opinion Mining Using Stack Decoder Method and Neural Networks	Kumar A., Sujal	Department of Computer Science & Engineering, Delhi Technological University	Advances in Intelligent Systems and Computing	2019
76	Purchase intention of "Halal" brands in India: the mediating effect of attitude	Garg P., Joshi R.	Delhi School of Management, Delhi Technological University	Journal of Islamic Marketing	2018
77	A Generalized Power-Flow Model of VSC Based Hybrid AC-DC Systems Integrated with Offshore Wind Farms	Khan S., Bhowmick S.	Department of Electrical Engineering, Delhi Technological University	IEEE Transactions on Sustainable Energy	2018
78	CSTR control using IMC-PID, PSO-PID, and hybrid BBO-FF-PID controller	Khanduja N., Bhushan B.	Department of Electrical Engineering, Delhi Technological University	Advances in Intelligent Systems and Computing	2019
79	Extraction of equivalent circuit parameters of metamaterial-based bandstop filter	Garg P., Jain P.	Department of Electronics & Communication Engineering, Delhi Technological University	Advances in Intelligent Systems and Computing	2019

S. No.	Title of the Paper	Authors Name	Department Name	Journal title	Publication Year
80	Design of a narrow-band pass asymmetric microstrip coupled-line filter with distributed amplifiers at 5.5 GHz for WLAN applications	Viswanadha K., Raghava N.S.	Department of Electronics & Communication Engineering, Delhi Technological University	Advances in Intelligent Systems and Computing	2019
81	Utilizing CMOS low-noise amplifier for bluetooth low energy applications	Bansal M., Jyoti	Department of Electronics & Communication Engineering, Delhi Technological University	Advances in Intelligent Systems and Computing	2019
82	Investigating dynamic fracture parameters for Al7075-T651 using modified hopkinson pressure bar (MHPB)	Kumar S., Pandouria A.K., Tiwari V.	Department of Mechanical Engineering, Delhi Technological University	Conference Proceedings of the Society for Experimental Mechanics Series	2019
83	Mutual uncertainty, conditional uncertainty, and strong subadditivity	Sazim S., Adhikari S., Pati A.K., Agrawal P.	Department of Applied Mathematics, Delhi Technological University	Physical Review A	2018
84	A label-free fiber optic biosensor for Salmonella Typhimurium detection	Kaushik S., Pandey A., Tiwari U.K., Sinha R.K.	Department of Applied Physics, Delhi Technological University	Optical Fiber Technology	2018
85	Effect of gear misalignment on contact area: Theoretical and experimental studies	Kumar P., Hirani H., Kumar Agrawal A.	Department of Mechanical Engineering, Delhi Technological University	Measurement: Journal of the International Measurement Confederation	2019
86	Electron irradiation induced wall-to-wall joining of multiwalled carbon nanotubes	Kumari R., Tyagi P.K., Puri N.K.	Department of Applied Physics, Delhi Technological University	Applied Surface Science	2018
87	Biofunctionalized tungsten trioxide-reduced graphene oxide nanocomposites for sensitive electrochemical immunosensing of cardiac biomarker	Sandil D., Srivastava S., Malhotra B.D., Sharma S.C., Puri N.K.	Department of Applied Physics, Department of Biotechnology, Delhi Technological University	Journal of Alloys and Compounds	2018
88	An experimental investigation of the impact of nanoparticles on the tribological properties of 15W40 lubricating oil	Chaudhary S., Singh R.C., Chaudhary R.	Department of Mechanical Engineering, Delhi Technological University	International Journal of Mechanical and Production Engineering Research and Development	2018
89	Binary whale optimization algorithm and its application to unit commitment problem	Kumar V., Kumar D.	Department of Electronics & Communication, Delhi Technological University	Neural Computing and Applications	2018
90	A parametric study to unravel the alignment mechanism of carbon nanotubes during its plasma-assisted growth	Sharma U., Sharma S.C.	Department of Applied Physics, Delhi Technological University	Physics of Plasmas	2018

S. No.	Title of the Paper	Authors Name	Department Name	Journal title	Publication Year
91	Energy- and exergy-based performance evaluation of solar powered combined cycle (recompression supercritical carbon dioxide cycle/organic Rankine cycle)	Singh H., Mishra R.S.	Department of Mechanical Engineering, Delhi Technological University	Clean Energy	2018
92	Realization of a higher fractional order element based on novel OTA based IIMC and its application in filter	Verma R., Pandey N., Pandey R.	Department of Electronics & Communication Engineering, Delhi Technological University	Analog Integrated Circuits and Signal Processing	2018
93	Economic Load Dispatch Using Adaptive Social Acceleration Constant Based Particle Swarm Optimization	Jain N.K., Nangia U., Jain J.	Department of Electrical Engineering, Delhi Technological University	Journal of The Institution of Engineers (India): Series B	2018
94	Fractional order inverse filters using operational amplifier	Bhaskar D.R., Kumar M., Kumar P.	Department of Electronics & Communication Engineering, Department of Electrical Engineering, Delhi Technological University	Analog Integrated Circuits and Signal Processing	2018
95	Designing of Supplementary Controller for STATCOM for Damping of Oscillations in Power System	Jain V., Kumar N.	Department of Electrical Engineering, Delhi Technological University	Journal of The Institution of Engineers (India): Series B	2018
96	Integrating third phase transition and CO/CO ₂ contamination in microwave tailored Bi ₂ Mo _{1-x} W _x O ₆ nano materials	Shrivastava V., Pritam A., Joshi A.	Department of Applied Physics, Delhi Technological University	Journal of Materials Science: Materials in Electronics	2018
97	Reverse supply chain issues in Indian electronics industry: a case study	Agrawal S., Singh R.K., Murtaza Q.	Department of Mechanical Engineering, Delhi Technological University	Journal of Remanufacturing	2018
98	Fabrication of 3D Self-Assembled Nonmulberry Antheraea Mylitta (tasar) Fibroin Nonwoven Mats for Wound Dressing Applications	Srivastava C.M., Purwar R.	Department of Applied Chemistry, Delhi Technological University	Macromolecular Research	2018
99	Color texture recognition by color information fusion using the non-extensive entropy	Susan S., Hanmandlu M.	Department of Information Technology, Delhi Technological University	Multidimensional Systems and Signal Processing	2018
100	Experimental Studies on Utilization of Prunus armeniaca L. (Wild Apricot) Biodiesel as an Alternative Fuel for CI Engine	Yadav A.K., Pal A., Dubey A.M.	Department of Mechanical Engineering, Delhi Technological University	Waste and Biomass Valorization	2018

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101	Mass production of Lemna minor and its amino acid and fatty acid profiles	Chakrabarti R., Clark W.D., Sharma J.G., Goswami R.K., Shrivastav A.K., Tocher D.R.	Department of Biotechnology, Delhi Technological University	Frontiers in Chemistry	2018
102	UV emitting Pb ²⁺ doped SrZrO ₃ phosphors prepared by sol-gel procedure	Singh N., Kaur S., Jayasimhadri M., Pathak M.S., Watanabe S., Gundu Rao T.K., Lee J.-K., Singh V.	Department of Applied Physics, Delhi Technological University	Ceramics International	2018
103	Determination of hierarchical relationships among sustainable development goals using interpretive structural modeling	Kumar P., Ahmed F., Singh R.K., Sinha P.	Department of Mechanical Engineering, Delhi Technological University	Environment, Development and Sustainability	2018
104	Theoretical model for the effect of dust grains on self-filamentation of Gaussian electromagnetic beam in ionized plasma	Sharma R., Sharma S.C.	Department of Applied Physics, Delhi Technological University	Contributions to Plasma Physics	2018
105	Enhanced supercapacitive performance of NiO. 5MgO. 5Co ₂ O ₄ flowers and rods as an electrode material for high energy density supercapacitors	Sharma M., Sundriyal S., Panwar A.K., Gaur A.	Department of Applied Physics, Delhi Technological University	Journal of Alloys and Compounds	2018
106	Analyzing the Influence of Improved Situation, Capability Level of Actors and Flexible Process Workflow on Public Value of E-Governance Projects in India	Gupta P.J. and Suri P.K.	Delhi School of Management, Delhi Technological University	Global Journal of Flexible Systems Management	2018
107	A New Genetic Algorithm Based Technique for Biomedical Image Enhancement	Khatkar Kirti., Kumar D.		Pertanika Journal of Science and Technology	February 2019
108	Performance parametric analysis of retrofitted Gas turbine cycle using STIG and Evaporative cooling techniques	Mishra R.S., Agrawal S.	Department of Mechanical Engineering, Delhi Technological University	International Journal of Research in Engineering and Innovation	2019
109	Thermodynamic performance of vapour compression refrigeration systems using HFO refrigerants for replacing HFC refrigerants	Mishra R.S.	Department of Mechanical Engineering, Delhi Technological University	International Journal of Research in Engineering and Innovation	Mar-19

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110	Methods for improving thermal performances of vapour compression refrigeration systems using ecofriendly refrigerant in the expander	Mishra R.S.	Department of Mechanical Engineering, Delhi Technological University	International Journal of Research in Engineering and Innovation	Feb-19
111	Thermodynamic analysis of solar integrated waste heat recovery systems for power generation industry using ecofriendly fluids	Mishra R.S., Dubey K.K.	Department of Mechanical Engineering, Delhi Technological University	International Journal of Research in Engineering and Innovation	Feb-19
112	Thermodynamic analysis of vapour compression refrigeration systems using alternative refrigerants	Mishra R.S.	Department of Mechanical Engineering, Delhi Technological University	International Journal of Research in Engineering and Innovation	Feb-19
113	Modelling of vapour compression refrigeration system (VCRS) by using alternative refrigerants with TiO ₂ and without Nanomaterials	Mishra R.S.	Department of Mechanical Engineering, Delhi Technological University	International Journal of Research in Engineering and Innovation	Jan-19
114	Thermodynamic analysis of vapour compression refrigeration system with mixing of Al ₂ O ₃ nanomaterial in fourteen ecofriendly refrigerants	Mishra R.S.	Department of Mechanical Engineering, Delhi Technological University	International Journal of Research in Engineering and Innovation	Jan-19
115	A compact dual-band bandpass SIW filter using uniplanar combination of the CRLH and resonant type metamaterials	Sharma J., Kumar D., De A.	Department of Electronics & Communication Engineering, Delhi Technological University	Australian Journal of Electrical and Electronics Engineering	2018
116	Fully-differential current-mode higher order filters using all grounded passive elements	Singh A.K., Kumar P., Senani R.	Department of Electronics & Communication Engineering, Department of Electrical Engineering, Delhi Technological University	AEU - International Journal of Electronics and Communications	2018
117	WO ₃ /BTO heterostructures based NO ₂ sensor with enhanced response characteristics	Sharma S., Tomar M., Puri N.K., Gupta V.	Department of Applied Physics, Delhi Technological University	Integrated Ferroelectrics	2018
118	Pr ³⁺ ions doped single alkali and mixed alkali fluorotungsten tellurite glasses for visible red luminescent devices	Devi C.B., Mahamuda S., Swapna K., Venkateswarlu M., Rao A. S., Prakash G. V.	Department of Applied Physics, Delhi Technological University	Journal of Non-Crystalline Solids	2018

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119	Impact of different layers on performance of OLED	Negi S., Mittal P., Kumar B.	Department of Electronics & Communication Engineering, Delhi Technological University	Microsystem Technologies	2018
120	ANFIS-Based add-on controller for unbalance voltage compensation in a low-voltage microgrid	Saroha J., Singh M., Jain D.K.	Department of Electrical Engineering, Delhi Technological University	IEEE Transactions on Industrial Informatics	2018
121	Analyzing the Interaction of Barriers in E-Governance Implementation for Effective Service Quality: Interpretive Structural Modeling Approach	Gupta A., Suri P.K., Singh R.K.	Delhi School of Management, Delhi Technological University	Business Perspectives and Research	2019
122	All dielectric zero-index metamaterial for TE/TM polarization	Shankhwar N., Kalra Y., Sinha R.K.	Department of Applied Physics, Delhi Technological University	Journal of Optics	2018
123	Effect of Various Culture Condition on Shoot Multiplication and GC-MS Analysis of <i>Plumbago zeylanica</i> Accessions for Plumbagin Production	Roy A., Bharadvaja N.	Department of Biotechnology, Delhi Technological University	Acta Physiologiae Plantarum	2018
124	Emergence of time-dependent material properties in chain extended polyureas	Iqbal N., Kumar D., Roy P.K.	Department of Applied Chemistry, Delhi Technological University	Journal of Applied Polymer Science	2018
125	Enhanced supercapacitive performance of Ni _{0.5} Mg _{0.5} Co ₂ O ₄ flowers and rods as an electrode material for high energy density supercapacitors: Rod morphology holds the key	Sharma M., Sundriyal S., Panwar A., Gaur A.	Department of Physics, Delhi Technological University	Journal of Alloys and Compounds	2018
126	Cellular Toxicity of Mesoporous Silica Nanoparticle in SHSY5Y and BM-MNCs Cell	Chauhan S., Manivasagam G., Kumar P., Ambasta R.K.	Department of Biotechnology, Delhi Technological University	Pharmaceutical Nanotechnology	2018
127	Potential application of multi-walled carbon nanotubes/activated carbon/bamboo charcoal for efficient alcohol sensing	Kumar V., Tyagi P.K.	Department of Applied Physics, Delhi Technological University	Journal of Alloys and Compounds	2018

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128	Experimental investigation on the mechanical properties and water absorption behavior of randomly oriented short pineapple/coir fiber-reinforced hybrid epoxy composites	Mittal M., Chaudhary R.	Department of Mechanical Engineering, Delhi Technological University	Materials Research Express	2019
129	Optimized clustering techniques for gait profiling in children with cerebral palsy for rehabilitation	Prakash C., Kumar R., Mittal N.		Computer Journal	2018
130	Efficiency optimization of PI and fuzzy controller based induction motor drive	Rajinder, Sreejeth M., Singh M.	Department of Electrical Engineering, Delhi Technological University	Journal of Intelligent and Fuzzy Systems	2018
131	Energy and exergy analyses of a solar powered multi-effect cooling cycle	Khaliq A., Mokheimer E.M.A., Kumar R.	Department of Mechanical Engineering, Delhi Technological University	International Journal of Exergy	2018
132	Analysing the interaction of factors for resilient humanitarian supply chain	Singh R.K., Gupta A., Gunasekaran A.	Department of Mechanical and Production Engineering, Delhi Technological University	International Journal of Production Research	2018
133	Effect of various culture conditions on shoot multiplication and GC-MS analysis of <i>Plumbago zeylanica</i> accessions for plumbagin production	Roy A., Bharadva N.	Department of Biotechnology, Delhi Technological University	Acta Physiologiae Plantarum	2018
134	New approach for maximizing generation and optimal utilization of available space for solar PV system	Dube A., Rizwan M., Jamil M.	Department of Electrical Engineering, Delhi Technological University	Journal of Renewable and Sustainable Energy	2018
135	Intelligent model for solar energy forecasting and its implementation for solar photovoltaic applications	Perveen G., Rizwan M., Goel N.	Department of Electronics and Communication Engineering, Delhi Technological University	Journal of Renewable and Sustainable Energy	2018
136	Source/Gate Material-Engineered Double Gate TFET for improved RF and linearity performance: a numerical simulation	Shekhar S., Madan J., Chaujar R.	Department of Applied Physics, Delhi Technological University	Applied Physics A: Materials Science and Processing	2018

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137	Significant improvement in morphological, dielectric, ferroelectric and piezoelectric characteristics of Ba _{0.9} Sr _{0.1} Ti _{0.9} Zr _{0.1} O ₃ -BaNb ₂ O ₆ nanocomposites	Jain A., Panwar A.K., Jha A.K.	Department of Applied Physics, Delhi Technological University	Journal of Materials Science: Materials in Electronics	2018
138	Morphological and luminescence studies on KGdF ₄ :Yb ³⁺ /Tb ³⁺ up-conversion nanophosphors	Prasad A., Rao A.S., Gupta M., Prakash G.V.	Department of Applied Physics, Delhi Technological University	Materials Chemistry and Physics	2018
139	Acceptably consistent incomplete interval-valued intuitionistic multiplicative preference relations	Sahu M., Gupta A., Mehra A.	Department of Applied Mathematics, Delhi Technological University	Soft Computing	2018
140	Energy storage and magnetoelectric coupling in ferroelectric-ferrite composites	Shankar S., Kumar M., Tuli V., Thakur O.P., Jayasimhadri M.	Department of Applied Physics, Delhi Technological University	Journal of Materials Science: Materials in Electronics	2018
141	FEA-Based Design Studies for Development of Diaphragm Force Transducers	Kumar R., Rab S., Pant B.D., Maji S., Mishra R.S.	Department of Mechanical Engineering, Delhi Technological University	Mapan - Journal of Metrology Society of India	2019
142	Chemical Degradation of Poly (bisphenol A carbonate) waste materials: A Review	Singh R., Shahi S., Geetanjali	Department of Applied Chemistry, Delhi Technological University	Chemistry Select	2018
143	Incomplete Hesitant Fuzzy Preference Relation	Gupta A., Sahu M.	Department of Applied Mathematics, Delhi Technological University	Journal of Statistics & Management Systems	2018
144	J-Boolean group rings and skew group rings	Udar D., Sharma R. K., Srivastava J. B.	Department of Applied Mathematics, Delhi Technological University	Journal of Algebra and its Applications	2018
145	Coherent terahertz radiation from beam driven upper hybrid wave in magnetostatic plasma	Malik P., Sharma S.C., Sharma R.	Department of Applied Physics, Delhi Technological University	Journal of Electromagnetic Waves and Applications	2018
146	Source/Gate Material Engineered Double Gate TFET for Improved RF and Linearity Performance: A Numerical Simulation	Shekhar S., Madan J., Chaujar R.	Department of Applied Physics, Delhi Technological University	Applied Physics-A, Springer	2018
147	Energy storage and magnetoelectric coupling in ferroelectric-ferrite composites	Shankar S., Kumar M., Tuli S., Thakur O.P., Jayasimhadri M.	Department of Applied Physics, Delhi Technological University	Journal of Materials Science: Materials in Electronics	2018
148	NFC Secure Element-based Mutual Authentication and Attestation for IoT access	Sethia D., Gupta D., Saran H.,	Department of Computer Science & Engineering, Delhi Technological University	IEEE Transaction on Consumer Electronics	2018

S. No.	Title of the Paper	Authors Name	Department Name	Journal title	Publication Year
149	“UTTAM”: An Efficient Spelling Correction System for Hindi Language Based on Supervised Learning	Jain A., Jain M., Jain G., Tayal D.K.	Department of Computer Science & Engineering, Department of Applied Mathematics, Delhi Technological University	ACM Transactions on Asian and Low-Resource Language Information Processing	2018
150	Determinants of financing of outward foreign direct investment by Indian MNEs: A three-level analysis.	Tripathi V., Thukral S.	Delhi School of Management, Delhi Technological University	International Journal of Emerging Markets	2018
151	Efficiency optimization of PI and fuzzy controller-based induction motor drive	Sharma R., Sreejeth M., Singh M.	Department of Electrical Engineering, Delhi Technological University	Journal of Intelligent & Fuzzy Systems	2019
152	Diaspora Fiction and the Question of Style of Representation- A Study	Kumar A.N., Dwivedi R.R.	Department of Humanities, Delhi Technological University	International Journal of Multidisciplinary Research and Publications	2019
153	Conversion of non-edible Argemone Mexicana seed oil into biodiesel through the transesterification process	Anjum S.S., Prakash O., Pal A.	Department of Mechanical Engineering, Delhi Technological University	Energy Sources, Part A: Recovery, Utilization and Environmental Effects	2018
154	Dietary supplementation of vitamin C: an effective measure to give protection against UV-B irradiation using fish as model organism	Chakrabarti R., Singh M. K., Sharma J. G., Mittal P.	Department of Biotechnology, Delhi Technological University	Photochemical & Photobiological Sciences (Royal Society of Chemistry)	2018
155	Determinants of overconfidence bias in Indian stock market	Kansal P., Singh S.	Department of Humanities, Delhi Technological University	Qualitative Research in Financial Markets	2018
156	Dietary supplementation of vitamin C: an effective measure for protection against UV-B irradiation using fish as a model organism	Chakrabarti R., Singh M.K., Sharma J.G., Mittal P.	Department of Biotechnology, Delhi Technological University	Photochemical and Photobiological Sciences	2019
157	Chemical Degradation of Poly(bisphenol A carbonate) Waste Materials: A Review	Singh R., Shahi S., Geetanjali	Department of Applied Chemistry, Delhi Technological University	ChemistrySelect	2018
158	Synthesis and characterization of electrodeposited Ni-B-Ti 2 O 3 composite coatings	Waware U.S., Hamouda A.M.S., Bajaj B., Borkar T., Pradhan A.K.	Department of Applied Physics, Delhi Technological University	Journal of Alloys and Compounds	2018
159	Toxicity and immunomodulatory efficacy of biosynthesized silver myconanosomes on pathogenic microbes and macrophage cells	Fatima F., Pathak N., Verma S.R., Bajpai P.	Department of Biotechnology, Delhi Technological University	Artificial Cells, and Nanomedicine and Biotechnology	2018

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160	Techno-economic analysis of an integrated collector storage solar water heater with CPC reflector for households	Varghese J., Samsher, Manjunath K.	Department of Mechanical Engineering, Delhi Technological University	International Journal of Ambient Energy	2018
161	Robust discriminative subspace learning for person reidentification	Subramanyam A.V., Gupta V., Ahuja R.	Department of Computer Science & Engineering, Mathematics and Computing Engineering, Delhi Technological University	IEEE Signal Processing Letters	2019
162	Can luteolin be a therapeutic molecule for both colon cancer and diabetes?	Ambasta R.K., Gupta R., Kumar D., Bhattacharya S., Sarkar A., Kumar P.	Department of Biotechnology, Delhi Technological University	Briefing in Functional Genomics	2019
163	Coherent terahertz radiation from beam-driven upper hybrid wave in magnetostatic plasma	Malik P., Sharma S.C., Sharma R.	Department of Applied Physics, Delhi Technological University	Journal of Electromagnetic Waves and Applications	2018
164	Genotyping Assessment of Phosphate Solubilizing Bacteria Isolated from Rhizospheric Soil from Central Regions of Lucknow	Fatima F., Verma S.R., Pathak N.	Department of Biotechnology, Delhi Technological University	Geomicrobiology Journal	2018
165	Multi-objective approach to maximise loadability of distribution networks by simultaneous reconfiguration and allocation of distributed energy resources	Quadri I.A., Bhowmick S., Joshi D.	Department of Electrical Engineering, Delhi Technological University	IET Generation, Transmission and Distribution	2018
166	Futures market efficiency and effectiveness of hedge in Indian currency market	Kharbanda V., Singh A.	Delhi School of Management, Delhi Technological University	International Journal of Emerging Markets	2018
167	Determinants of financing of outward foreign direct investment by Indian MNEs: A three-level analysis	Tripathi V., Thukral S.	Delhi School of Management, Delhi Technological University	International Journal of Emerging Markets	2018
168	Estimation of entanglement negativity of a two-qubit quantum system with two measurements	Adhikari S.	Department of Applied Mathematics, Delhi Technological University	EPL	2018
169	Millimeter wave channel capacity for 5 th generation software defined radio communication system in vegetation area	Agrawal S.K., Sharma K.	Department of Computer Science & Engineering, Department of Information Technology, Delhi Technological University	International Journal of Sensors, Wireless Communications and Control	2018

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170	Discussions on “water saving and increase in yield of rice crop through on-farm reservoir: a case study” by Deepak Kumar Soni and K.K. Singh	Mazumder S.K.	Department of Civil Engineering, Delhi Technological University	ISH Journal of Hydraulic Engineering	2018
171	Semi supervised graph based keyword extraction using lexical chains and centrality measures	Aggarwal A., Sharma C., Jain M., Jain A.	Department of Computer Science & Engineering, Delhi Technological University	Computacion y Sistemas	2018
172	Wear and friction behaviour of aluminium metal composite reinforced with graphite particles	Sharma V.K., Singh R.C., Chaudhary R.	Department of Mechanical Engineering, Delhi Technological University	International Journal of Surface Science and Engineering	2018
173	Identification of most useful spectral ranges in improvement of target detection using hyperspectral data	Yadav D., Arora M.K., Tiwari K.C., Ghosh J.K.	Department of Civil Engineering, Delhi Technological University	Egyptian Journal of Remote Sensing and Space Science	2018
174	Cellular Toxicity of Mesoporous Silica Nanoparticle in SHSY5Y and BMMNCs Cell	Chauhan S., Manivasagam G., Kumar P., Ambasta R.K.	Department of Biotechnology, Delhi Technological University	Pharmaceutical nanotechnology	2018
175	Design and Analysis of Complimentary Split Ring Resonator Backed Microstrip Transmission Line Using Equivalent Circuit Model	Garg P., Jain P.	Department of Electronics & Communication Engineering, Delhi Technological University	Journal of Communications Technology and Electronics	2018
176	Analysing the Influence of Improved Situation, Capability Level of Actors and Flexible Process Workflow on Public Value of E-Governance Projects in India	Gupta P.J., Suri P.K.	Delhi School of Management, Delhi Technological University, New Delhi, Delhi	Global Journal of Flexible Systems Management	2018
177	Mid-infrared broadband supercontinuum generation in a highly nonlinear rectangular core chalcogenide photonic crystal fiber	Chauhan P., Kumar A., Kalra Y.	Department of Applied Physics, Delhi Technological University	Optical Fiber Technology	2018
178	Ultralow-power dielectric-modulated nanogap-embedded sub-20-nm TGRC-MOSFET for biosensing applications	Kumar A., Tripathi M.M., Chaujar R.	Department of Electrical Engineering, Delhi Technological University	Journal of Computational Electronics	2018

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179	Ontology driven software development for automated documentation	Bhatia M.P.S., Kumar A., Beniwal R.	Department of Computer Science and Engineering,	Webology	2018
180	A simple method to estimate the loading effects of Al/Si on the characteristic impedance of multilayer microstrip line	Patel S.M., Kalra Y., Ojha V.N., Sinha R.K.	Department of Applied Physics, Delhi Technological University	Indian Journal of Pure and Applied Physics	2018
181	A Bilevel Programming Model for Op-erative Decisions on Special Trains: An Indian Railways Perspective	Kumar A., Gupta A., Mehra A.	Department of Applied Mathematics, Delhi Technological University	Journal of Rail Transport Planning and Management	2018
182	Viscous Ricci dark energy and generalized second law of thermodynamics in modified $f(R, T)$ gravity	Singh C.P., Kumar A.	Department of Applied Mathematics, Delhi Technological University	Modern Physics Letters A	2018
183	Ultra-Low Power Dielectric Modulated Nano-gap Embedded Sub-20nm TGRC-MOSFET for Biosensing Application	Kumar A., Tripathi M.M., Chaujar R.	Department of Applied Physics, Department of Electrical Engineering, Delhi Technological University	Journal of Computational Electronics, Springer	2018
184	UV radiation emitting Gd ³⁺ activated Sr ₂ SiO ₄ host system prepared by sol-gel procedure: structural, electron paramagnetic resonance and luminescence studies	Singh V., Singh N., Pathak M.S., Kaur S., Jayasimhadri M., Watanabe S., Rao T.K.G.	Department of Applied Physics, Delhi Technological University	Journal of Materials Science: Materials in Electronics	2018
185	Physical properties and electrochemical performance of Zn-substituted Na _{0.44} Mn _{1-x} Zn _x O ₂ nanostructures as cathode in Na-ion batteries	Chandra M., Shukla R., Saroha R., Panwar A. K., Gupta A., Basu S., Dhaka R. S.	Department of Applied Physics, Delhi Technological University	Ceramics International	2018
186	In Silico analysis of nsSNPs in ABCB1 gene affecting breast cancer associated protein P-glycoprotein (P-gp).	Chakraborty R., Gupta H., Rahman R., Hasija Y.	Department of Biotechnology, Delhi Technological University	Computational Biology and Chemistry	2018
187	Exploring vitiligo susceptibility and management: a brief review	Rahman R., Hasija Y.	Department of Biotechnology, Delhi Technological University	Biomedical Dermatology	2018
188	Metagenomic Approach in Study and Treatment of Various Skin Diseases: A Brief Review	Nagar P., Hasija Y.	Department of Biotechnology, Delhi Technological University	Biomedical Dermatology	2018
189	A Reliable and Secure AODV Protocol for MANETs	Yadav A.K.S, Yadav R.K.	Department of Computer Science & Engineering, Delhi Technological University	International Journal of Engineering & Technology (IJET)	2019

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191	ANFIS Based Add-on Controller for Unbalance Voltage Compensation in Low Voltage Microgrid	Saroha J., Singh M., Jain D.K.	Department of Electronics & Communication Engineering, Department of Electrical Engineering, Delhi Technological University	IEEE Transactions on Industrial Informatics	2018
192	Computational fluid dynamics simulation and energy analysis of domestic direct type multi-shelf solar dryer	Jain A., Sharma M., Kumar A., Sharma A., Palamaint A.	Department of Mechanical Engineering, Delhi Technological University	Journal of Thermal Analysis and Calorimetry (2019) 136:173–184. SCI Impact Factor 2.209. https://doi.org/10.1007/s10973-018-7973-5 (Online)	2019
193	Opportunities and challenges of using Hybrid Vehicles in India	Tripathi A., Kesari J.P.	Department of Mechanical Engineering, Delhi Technological University	International Journal of Engineering Sciences and Management	2019
194	Concentrated Solar Heat Integrated with Geothermal Energy for Thermal Energy Requirements in India	Sharma S., Baghe Y.K., Kumar A., Kesari J. P.	Department of Mechanical Engineering, Delhi Technological University	International Journal of Research in Engineering, Science and Management Volume-1, Issue-12, December-2018 www.ijresm.com , https://www.ijresm.com/Vol_1_2018/Vol1_Iss12_December18/IJRESM_V1_I12_12.pdf	2018
195	Energy and exergy analysis of multiple evaporators and compressors with individual or multiple expansion valves vapour compression refrigeration system using ecofriendly refrigerants	Mishra R.S.	Department of Mechanical Engineering, Delhi Technological University	International Journal of Research in Engineering and Innovation, ISSN (Online): 2456-6934 ,Vol-2, Issue-6 (2018),572-580, Dec- 2018 journal home page: http://www.ijrei.com .	Jan-19
196	Thermodynamic analysis of vapour compression refrigeration systems using multiple evaporators at different temperatures with compound compression, individual and compound expansion valves with flash intercoolers	Mishra R.S.	Department of Mechanical Engineering, Delhi Technological University	International Journal of Research in Engineering and Innovation, ISSN (Online): 2456-6934 ,Vol-2, Issue-6 (2018),581-588, Dec- 2018 journal home page: http://www.ijrei.com .	#####

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198	Performance parameters optimization of cascade refrigeration system using ecofriendly refrigerants	Mishra R.S.	Department of Mechanical Engineering, Delhi Technological University	International Journal of Research in Engineering and Innovation, ISSN (Online): 2456-6934 ,Vol-2, Issue-5 (2018),602-609, Dec- 2018 journal home page: http://www.ijrei.com .	2018
199	Comparison of thermal performances of single effect, double effect and triple effect LiBr-H ₂ O absorption system cascaded with vapour compression refrigeration systems using ecofriendly refrigerants	Mishra R.S.	Department of Mechanical Engineering, Delhi Technological University	International Journal of Research in Engineering and Innovation, ISSN (Online): 2456-6934 ,Vol-2, Issue-6 (2018),610-621, Dec- 2018 journal home page: http://www.ijrei.com .	2018
200	Detailed parametric analysis of solar driven supercritical CO ₂ based combined cycle for power generation, cooling and heating effect by vapour absorption refrigeration as a bottoming cycle	Mishra R.S., Singh H.	Department of Mechanical Engineering, Delhi Technological University	Thermal science and Engineering progress, Vol-8 (2018) 397-410	2018
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202	Climate Change and Agriculture in India: Studying Long-Term Patterns in Temperature Rainfall and Agricultural Output	Murthy K.V. B., Kumar L.	University School of Management and Entrepreneurship, Delhi Technological University	Management and Economic Research Journal, V.4, S2, 156-173.	2018
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206	Silver nanoparticle synthesis from <i>Plumbago zeylanica</i> and its dye degradation activity	Roy A., Bharadvaja N.	Department of Biotechnology, Delhi Technological University	Bioinspired, Biomimetic and Nanobiomaterials	2018
207	Renewable energy-based hybrid model for rural electrification	Anand P., Bath S.K., Rizwan M.	Department of Electrical Engineering, Delhi Technological University	International Journal of Energy Technology and Policy	2019
208	Coherence and entanglement under three-qubit cloning operations	Goswami S., Adhikari S., Majumdar A.S.	Department of Electronics & Communication Engineering, Delhi Technological University	Quantum Information Processing	2019
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219	Numerical simulations: Toward the design of 18.6% efficient and stable perovskite solar cell using reduced cerium oxide based ETL	Pandey R., Saini A.P., Chaujar R.	Department of Applied Physics, Delhi Technological University	Vacuum	2019
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221	Recognition of voltage sag causes using fractionally delayed biorthogonal wavelet	Saini M.K., Kapoor R., Beniwal R.K., Aggarwal A.	Department of Electronics & Communication Engineering, Delhi Technological University	Transactions of the Institute of Measurement and Control	2019
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223	Breast cancer incidence, mortality and mortality-to-incidence ratio (MIR) are associated with human development, 1990–2016: evidence from Global Burden of Disease Study 2016	Sharma R.	University School of Management and Entrepreneurship, Delhi Technological University	Breast Cancer	2019
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243	Structural health assessment of bridge	Singh Y., Gupta A.K., Aryan K.	Department of Civil Engineering, Delhi Technological University	International Journal of Innovative Technology and Exploring Engineering	2019
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323	Design and analysis of different PLLs as load compensation techniques in 1- ϕ grid-tied PV system	Saxena H., Singh A., Rai J.N.	Department of Electrical Engineering, Delhi Technological University	International Journal of Electronics	2019
324	Steady state and time-resolved fluorescence study of 7, 8-benzoquinoline: Reinvestigation of excited state protonation	Kumari K., Tiwari N., Mehata M.S., Pandey N., Tiwari K., Ratnesh R.K., Joshi H., Pant S.	Department of Applied Physics, Delhi Technological University	Journal of Molecular Structure	2019
325	Sentiment Analysis of Multimodal Twitter Data.	Kumar A., Garg G.	Department of Computer Science and Engineering, Delhi Technological University	Multimedia Tools and Applications, Springer	2019

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326	A design of low leakage cache memory cell for high performance processors	Gupta M., Gupta K., Pandey N.	Department of Electronics and Communication Engineering, Delhi Technological University	Journal of Information and Optimization Sciences	2019
327	Impact of environmental factors on photovoltaic performance and their mitigation strategies – A holistic review	Ghosh S., Yadav V. K., Mukherjee VC.	Department of Electrical Engineering, Delhi Technological University	Renewable energy focus	2018
328	Genetic algorithm approach for efficiency maximization and power factor enhancement of a grid connected doubly fed induction generator	Banerjee S., Joshi D., Singh M.	Department of Electrical Engineering, Delhi Technological University	Journal of Information and Optimization Sciences 40 (2), 535-545	2018
329	Efficiency Enhancement for Indirect Vector Controlled Induction Motor Drive	Sreejeth M., Singh M., Kumar P.	Department of Electrical Engineering, Delhi Technological University	International Journal of Electronics	2019
330	Leachate Characters and Impact at Bhalswa Landfill Site in Delhi, India	Kumar L., Singh SK.	Department of Environment Engineering, Delhi Technological University	International Journal of Advance Research and Innovation	2019
331	Review of Green Building Movement and appraisal of rating systems in Indian Context	Bansal S., Biswas S., Singh S.K.	Department of Environment Engineering, Delhi Technological University	International Journal of Technology Management and Sustainable Development	2019
332	Performance and Economic Analysis of Natural Convection based Rubber Smoking Room for Rubber Cooperatives in Thailand	Dejchanchaiwong R., Kumar A., Tekasakul P.	Department of Applied Chemistry, Delhi Technological University	Renewable Energy-Elsevier 132 (2019) 233-242. https://doi.org/10.1016/j.renene.2018.07.145 . SCI Impact Factor 5.439.	2018
333	Pinch Analysis and Heat Integration in a Sugar industry using Hint Software	singh N.P., Kesari J. P.	Department of Mechanical Engineering, Delhi Technological University	SSRG International Journal of Mechanical Engineering (SSRG-IJME), Volume 6, Issue 8, August 2019.	Mar-19
334	Critical review on thermal and mechanical properties on natural fibres and nano material based polymeric Hybrid composites	Bajwa G.S., Rangnath M.S., R.S. Mishra, Aftab Alam	Department of Mechanical Engineering, Delhi Technological University	International Journal of Engineering Research Applications, (2019) (UGC Approved)	2019
335	Rumour veracity detection on twitter using particle swarm optimized shallow classifiers	Kumar A., Sangwan S.R., Nayyar A.	Department of Computer Science & Engineering, Delhi Technological University	Multimedia Tools and Applications	2019

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337	A Grey Wolf Optimization Approach for Improving the Performance of Wireless Sensor Networks	Kaushik A., Indu S., Gupta D.	Department of Computer Science and Engineering, Department of Electronics and Communication Engineering,	Wireless Personal Communications	2019
338	Fuzzy assessment of the risk factors causing cost overrun in construction industry	Sharma S., Goyal P.K.	Department of Civil Engineering, Delhi Technological University	Evolutionary Intelligence	2019
339	Sentiment analysis of multimodal twitter data	Kumar A., Garg G.	Department of Computer Science & Engineering, Delhi Technological University	Multimedia Tools and Applications	2019
340	ARD-PRED: an in silico tool for predicting age-related-disorder-associated proteins	Bhadhadhara K., Hasija Y.	Department of Biotechnology, Delhi Technological University	Soft Computing	2019
341	Wireless sensor network based controlling and monitoring for smart homes using Zig Bee	Jaint B., Indu S., Pandey N.	Department of Electrical Engineering; Department of Electronics and Communication Engineering, Delhi Technological University	International Journal of Recent Technology and Engineering	2019
342	Review of green building movement and appraisal of rating systems in the indian context	Bansal S., Biswas S., Singh S.K.	Department of Environmental Engineering, Delhi Technological University	International Journal of Technology Management and Sustainable Development	2019
343	Short term GA-NFIS based hybrid method for prediction of wind speed & power in sustainable power generation	Kumar V., Pal Y., Tripathi M.M.	Department of Electrical Engineering, Delhi Technological University	International Journal of Recent Technology and Engineering	2019
344	PSO tuned ANFIS model for short term photovoltaic power forecasting	Yadav H.K., Pal Y., Tripathi M.M.	Department of Electrical Engineering, Delhi Technological University	International Journal of Recent Technology and Engineering	2019
345	Predictive Modelling of Employee Turnover in Indian IT Industry Using Machine Learning Techniques	Khera S.N., Divya	Delhi School of Management, Delhi Technological University	Vision	2019
346	Excitation of Gould-Trivelpiece mode by streaming particles in dusty plasma	Kaur D., Sharma S.C., Pandey R.S., Gupta R.	Department of Applied Physics, Delhi Technological University	Laser and Particle Beams	2019

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347	Impact of environmental factors on photovoltaic performance and their mitigation strategies—A holistic review	Ghosh S., Yadav V.K., Mukherjee V.	Department of Electrical Engineering, Delhi Technological University	Renewable Energy Focus	2019
348	Review on biodiesel production by two-step catalytic conversion	Thoai D.N., Tongurai C., Prasertsit K., Kumar A.	Department of Mechanical Engineering, Delhi Technological University	Biocatalysis and Agricultural Biotechnology	2019
349	Low-power near-threshold 10T SRAM bit cells with enhanced data-independent read port leakage for array augmentation in 32-nm CMOS	Gupta S., Gupta K., Calhoun B.H., Pandey N.	Department of Electronics and Communication Engineering, Delhi Technological University	IEEE Transactions on Circuits and Systems I: Regular Papers	2019
350	Zero-index metamaterial based all-dielectric nanoantenna	Shankhwar N., Kalra Y., Li Q., Sinha R.K.	Department of Applied Physics, Delhi Technological University	AIP Advances	2019
351	The impact of knowledge management system on student performance: A case study of the University of Delhi	Jain N., Gupta V.	Delhi School of Management, Delhi Technological University	VINE Journal of Information and Knowledge Management Systems	2019
352	Steady state and time-resolved fluorescence study of 7,8-benzoquinoline: Reinvestigation of excited state protonation	Kumari K., Tewari N., Mehata M.S., Pandey N., Tiwari K., Ratnesh R.K., Joshi H.C., Pant S.	Department of Applied Physics, Delhi Technological University	Journal of Molecular Structure	2019
353	Fabrication and sliding wear behavior of some lead-free bearing materials	Singh R.C., Chaudhary R., Sharma V.K.	Department of Mechanical Engineering, Delhi Technological University	Materials Research Express	2019
354	Rheokinetic studies and compressive response of high performance polybenzoxazine syntactic foams	Ullas A.V., Sharma P., Kumar D., Roy P.K.	Department of Applied Chemistry and Polymer Technology, Delhi Technological University	Journal of Applied Polymer Science	2019
355	Anomalous ferroelectricity and strong magnetoelectric coupling in CoFe ₂ O ₄ -ferroelectric composites	Shankar S., Kumar M., Ghosh A.K., Thakur O.P., Jayasimhadri M.	Department of Applied Physics, Delhi Technological University	Journal of Alloys and Compounds	2019
356	Green computing in sensors-enabled internet of things: Neuro fuzzy logic-based load balancing	Kashyap P.K., Kumar S., Dohare U., Kumar V., Kharel R.	Department of Computer Science and Engineering, Delhi Technological University	Electronics (Switzerland)	2019
357	Mathematical analysis of a delayed epidemic model with nonlinear incidence and treatment rates	Kumar A., Nilam	Department of Applied Mathematics, Delhi Technological University	Journal of Engineering Mathematics	2019

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358	New sinusoidal oscillator configurations using operational transresistance amplifier	Komanapalli G., Pandey R., Pandey N.	Department of Applied Mathematics, Delhi Technological University	International Journal of Circuit Theory and Applications	2019
359	Adaptive Mobile Sink for Energy Efficient WSN using Biogeography Based Optimization	Kaushik A., Indu S., Gupta D.	Department of Computer Science and Engineering, Department of Electronics and Communication Engineering, Delhi Technological University	International Journal of Mobile Computing and Multimedia Communications (IJMCMC)	2018
360	Artificial Intelligence: Coming Soon to Indian Banking	Singh S.	Department of Humanities, Delhi Technological University	The Global Analyst	2019
361	The lowland: A case of female insensitivity and indifference	Dwivedi R.R., Amarnath K.	Department of Humanities, Delhi Technological University	IMRF Institute for Research & Education	2018
362	Biotechnological management of water quality: a mini review. Biotechnological Communication	Kumar L., Bidlan R., Sharma J., Bharadvaja N.	Department of Biotechnology, Delhi Technological University	Bioscience Biotechnology Research Communication	2019
363	Adsorptive removal of methyl orange with polyaniline nanofibers: an unconventional adsorbent for water treatment	Duhan M., Kaur R.	Department of Applied Chemistry and Polymer Technology, Department of Polymer Science and Chemical Technology, Delhi Technological University	Environmental Technology (United Kingdom)	2019
364	Epoxy-glass microballoon syntactic foams: Rheological optimization of the processing window	Kumar L., Bidlan R., Sharma J., Bharadvaja N.	Department of Applied Chemistry and Polymer Technology, Delhi Technological University	Advances in Polymer Technology	2019
365	Optimization of protein extraction from detoxified Jatropha seed cake using response surface methodology and amino acid analysis	Ahluwalia S., Bidlan R., Shrivastav A.K., Goswami R.K., Singh P., Sharma J.G.	Department of Biotechnology, Department of Mechanical Engineering, Delhi Technological University	International Journal of Environmental Science and Technology	2019
366	An Electron Paramagnetic Resonance and Photoluminescence Investigation of UVB Radiation Emitting Gadolinium-Activated CaY ₂ Al ₄ SiO ₁₂ Garnet Compound	Singh V., Kaur S., Rao A.S., Singh N., Pathak M.S., Rao J.L.	Department of Applied Physics, Delhi Technological University	Journal of Electronic Materials	2019

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368	Automatic clustering using quantum-based multi-objective emperor penguin optimizer and its applications to image segmentation	Kumar D., Kumar V., Kumari R.	Department of Electronics & Communication Engineering, Delhi Technological University	Modern Physics Letters A	2019
369	Operational Transresistance Amplifier Based Wienbridge Oscillator and Its Harmonic Analysis	Komanapalli G., Pandey R., Pandey N.	Department of Electronics & Communication Engineering, Delhi Technological University	Wireless Personal Communications	2019
370	Some observations on 2-tuple linguistic and interval 2-tuple linguistic operators	Singh A., Gupta A.	Department of Applied Mathematics, Delhi Technological University	International Journal of Mathematical, Engineering and Management Sciences	2019
371	Protein functionalized WO ₃ nanorods based impedimetric platform for sensitive and label-free detection of a cardiac biomarker	Sandil D., Sharma S.C., Puri N.K.	Department of Applied Physics, Delhi Technological University	Journal of Materials Research	2019
372	Luminescent properties and exciton dynamics of core-multi-shell semiconductor quantum dots leading to QLEDs.	Mehata M.S., R.K. Ratnesh	Department of Applied Physics, Delhi Technological University	Dalton Transactions (RSC)	2019
373	Spectroscopic studies and lasing potentialities of Sm ³⁺ ions doped single alkali and mixed alkali fluorotungstentellurite lasses	Annapurna Devi Ch.B., Swapna K., Mahamuda Sk., Venkateswarlu M., Prasad M.V.V.K.S., Rao A.S.	Department of Applied Physics, Delhi Technological University	Optics & Laser Technology	2019
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375	Two-Stage Spectrum Sensing Using Fuzzy Logic for Cognitive Radio Networks.	Ahuja B., Kaur G.	Department of Electronics & Communication Engineering, Delhi Technological University	Proceedings of the National Academy of Sciences, India Section A: Physical Sciences (Springer, SCI Indexed)	2018
376	Characteristic Performance of OLED Based on Hole Injection, Transport and Blocking Layers,	Negi S., Mittal P., Kumar B.	Department of Electronics & Communication Engineering, Delhi Technological University	Recent Patents on Engineering, Published by Bentham Science Publishers	2019

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378	Operational Transresistance Amplifier Based Wienbridge Oscillator and Its Harmonic Analysis,	Komanapalli G., Pandey R., Pandey N.,	Department of Electronics & Communication Engineering, Delhi Technological University	Wireless Personal Communications	2019
379	Design and Analysis of Different PLLs as Load Compensation Techniques in 1- Grid-Tied PV System	Saxena H., Singh A., Rai J.N.	Department of Electrical Engineering, Delhi Technological University	International Journal of Electronics, Taylor and Francis	2019
380	Measurement of Benzo(a) pyrene in PM10 collected in New Delhi	Pokhriyal J., Mandal A., Aggarwal S.G.	Department of Environment Engineering, Delhi Technological University	MAPAN-Journal of Metrology Society of India	2019
381	Efficient production of biodiesel from Cannabis sativa oil using intensified transesterification (hydrodynamic cavitation) method	Khan I.A., Prasad N., Pal A., Yadav A.K.	Department of Mechanical Engineering, Delhi Technological University	Energy Sources, Part A: Recovery, Utilization and Environmental Effects.	2019
382	Methods for improving thermodynamic performances of vapour absorption refrigeration system cascaded with vapour compression refrigeration systems using ecofriendly refrigerants	Mishra R.S.	Department of Mechanical Engineering, Delhi Technological University	International Journal of Research in Engineering and Innovation, ISSN (Online): 2456-6934 ,Vol-3, Issue-2 (2019),82-89., April- 2019 journal home page: http://www.ijrei.com .	2019
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388	Experimental Studies on Mechanical Properties of Metal Matrix Composites Reinforced with Natural Fibres Ashes	Butola R., Malhotra A., Yadav M., Singari R., Murtaza Q., Chandra P.	Department of Mechanical Engineering, Delhi Technological University	SAE Technical Paper	2019
389	Text area segmentation from document images by novel adaptive thresholding and template matching using texture cues	Susan S., Rachna Devi K.M.	Department of Information Technology, Delhi Technological University	Pattern Analysis and Applications	2019
390	Holographic Ricci Dark Energy with Constant Bulk Viscosity in f(R,T) Gravity	Singh C.P., Kumar A.	Department of Applied Mathematics, Delhi Technological University	Gravitation and Cosmology	2019
391	Integrated Mechanism of Lysine 351, PARK2, and STUB1 in A β PP Ubiquitination	Kumar D., Kumar P.	Department of Biotechnology, Delhi Technological University	Journal of Alzheimer's Disease	2019
392	Integrated mechanism of Lysine 351, PARK2 and STUB1 in A β PP ubiquitination	Kumar D., Kumar P.	Department of Biotechnology, Delhi Technological University	Journal of Alzheimer's disease (IOS)	2019

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394	A framework for usage pattern-based power optimization and battery lifetime prediction in smartphones	Pandey N., Verma O.P., Kumar A.	Department of Electronics & Communication Engineering, Delhi Technological University	Personal and Ubiquitous Computing	2019
395	Hollow-nanospheres-based microfluidic biosensors for biomonitoring of cardiac troponin I	Singh N., Rai P., Ali M.A., Kumar R., Sharma A., Malhotra B.D, John R.	Department of Biotechnology, Delhi Technological University	Journal of Materials Chemistry B	2019
396	Numerical simulation and parametric study of carbon deposition during graphene growth in PECVD system	Kumar M., Khanna S., Gupta N., Gupta R., Sharma S.C.	Department of Applied Physics, Delhi Technological University	IEEE Transactions on Nanotechnology	2019
397	Two-Stage Spectrum Sensing Using Fuzzy Logic for Cognitive Radio Networks	Ahuja B., Kaur G.	Department of Electronics & Communication Engineering, Delhi Technological University	Proceedings of the National Academy of Sciences India Section A - Physical Sciences	2019
398	Custard apple seed oil as promising biodiesel feedstock using advanced techniques and experimental investigation on diesel engine	Yadav A.K., Emran Khan M., Pal A.	Department of Mechanical Engineering, Delhi Technological University	International Journal of Oil, Gas and Coal Technology	2019
399	Integrated PVT hybrid active solar still (HASS) with an optimized number of collectors	Gaur M.K., Tiwari G.N., Kushwah A., Kumar A., Saxena G.	Department of Mechanical Engineering, Delhi Technological University	Green Energy and Technology	2019
400	Effect of design parameters on productivity of various passive solar stills	Kaviti A.K., Kumar A., Prakash O.	Department of Mechanical Engineering, Delhi Technological University	Green Energy and Technology	2019
401	Desalination and solar still: Boon to earth	Pandey P., Prakash O., Kumar A.	Department of Mechanical Engineering, Delhi Technological University	Green Energy and Technology	2019
402	A self-configurable event coverage approach for wireless sensor networks	Kaushik A., Indu S., Gupta D.,	Department of Electronics & Communication Engineering, Delhi Technological University	International Journal of Mobile Computing and Multimedia Communications	2019

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404	Simulation, modeling, and experimental studies of solar distillation systems	Kumar D., Pandey A., Prakash O., Kumar A., DevRoy A.	Department of Mechanical Engineering, Delhi Technological University	Green Energy and Technology	2019
405	Exergy analysis of active and passive solar still	Kant R., Prakash O., Tripathi R., Kumar A.	Department of Mechanical Engineering, Delhi Technological University	Green Energy and Technology	2019
406	Application of software in predicting thermal behaviours of solar stills	DevRoy A., Prakash O., Singh S., Kumar A.	Department of Mechanical Engineering, Delhi Technological University	Green Energy and Technology	2019
407	A hollow-nanosphere-based microfluidic biosensor for biomonitoring of cardiac troponin i	Singh N., Rai P., Ali M.A., Kumar R., Sharma A., Malhotra B.D., John R.	Department of Biotechnology, Delhi Technological University	Journal of Materials Chemistry B	2019
408	FSS based control of induction motor drive	Rajinder, Sreejeth M., Singh M.	Department of Electrical Engineering, Delhi Technological University	International Journal of Innovative Technology and Exploring Engineering	2019
409	Optimization of micro hardness of finished surface in spark assisted abrasive flow machining	Ali P., Ranganath M.S., Walia R.S., Murtaza Q.	Department of Mechanical Engineering, Delhi Technological University	International Journal of Mechanical and Production Engineering Research and Development	2019
410	5th generation millimeter wave wireless communication propagation losses dataset for indian metro cities based on corresponding weather conditions	Agrawal S.K., Sharma K.	Department of Computer Science & Engineering, Department of Information Technology, Delhi Technological University	Data in Brief	2019
411	Threshold Effect of Bank-specific Determinants of Non-performing Assets: An Application in Indian Banking	Bardhan S., Sharma R., Mukherjee V.	University School of Management and Entrepreneurship, Delhi Technological University	Journal of Emerging Market Finance	2019
412	Attracting millennial talent: a signal theory perspective	Madan A.O., Madan S.	Department of Electrical Engineering, Delhi Technological University	Evidence-based HRM	2019
413	Spectroscopic studies and lasing potentialities of Sm ³⁺ ions doped single alkali and mixed alkali fluorotungstentellurite glasses	Devi C.B.A., Swapna K., Mahamuda S., Venkateswarlu M., Prasad M.V.V.K.S., Siva Rama Krishna Reddy K., Deopa N., Rao A.S.	Department of Applied Physics, Delhi Technological University	Optics and Laser Technology	2019

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414	Enhanced photoelectrochemical performance of TiO ₂ photoanode decorated with Pd-carbon core shell nanoparticles	Sharma R., Kodan N., Singh V., Sharma S.N., Sinha O.P.	Department of Applied Physics, Delhi Technological University	Renewable Energy	2019
415	Outage probability of fixed-gain amplify-and-forward two-way relays with multiple cochannel interferers	Mandpura A., Prakriya S., Mallik R.K.	Department of Electrical Engineering, Delhi Technological University	IET Communications	2019
416	Systems approach to identify common genes and pathways associated with response to selective serotonin reuptake inhibitors and major depression risk	Srivastava A., Singh P., Gupta H., Kaur H., Kanojia N., Guin D., Sood M., Chadda R.K., Yadav J., Vohora D., Saso L., Kukreti R.	Department of Bioinformatics, Delhi Technological University	International Journal of Molecular Sciences	2019
417	High performance work practices and organizational performance-mediation analysis of explanatory theories	Garg N.	University School of Management and Entrepreneurship, Delhi Technological University	International Journal of Productivity and Performance Management	2019
418	Toward the design of monolithic 23.1% efficient hysteresis and moisture free perovskite/c-Si HJ tandem solar cell: A numerical simulation study	Pandey R., Singla A., Madan J., Sharma R., Chaujar R.	Department of Applied Physics, Delhi Technological University	Journal of Micromechanics and Microengineering	2019
419	Protein-functionalized WO ₃ nanorods-based impedimetric platform for sensitive and label-free detection of a cardiac biomarker	Sandil D., Sharma S.C., Puri N.K.	Department of Applied Physics, Delhi Technological University	Journal of Materials Research	2019
420	Evaluation of immunostimulatory properties of prickly chaff flower <i>Achyranthes aspera</i> in rohu <i>Labeo rohita</i> fry in pond conditions	Sharma J., Kumar N., Singh S.P., Singh A., HariKrishna V., Chakrabarti R.	Department of Biotechnology, Delhi Technological University	Aquaculture	2019
421	Phosphazene Superbase-Mediated Regio- and Stereoselective Iodoaminocyclization of 2-(1-Alkynyl)benzamides for the Synthesis of Isoindolin-1-ones	Mehta S., Brahmchari D.	Department of Applied Chemistry, Delhi Technological University	Journal of Organic Chemistry	2019

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422	Luminescence properties and exciton dynamics of core-multi-shell semiconductor quantum dots leading to QLEDs	Mehata M.S., Ratnesh R.K.	Department of Applied Physics, Delhi Technological University	Dalton Transactions	2019
423	A novel micro-solid oxide fuel cell (μ -SOFC) for detecting methane content in biogas	Phajjit S., Suklueng M., Marthosa S., Niyomwas S., Voo N.Y., Kumar A.	Department of Mechanical Engineering, Delhi Technological University	Bulletin of Materials Science	2019
424	Evaluation of immunostimulatory properties of prickly chaff flower <i>Achyranthes aspera</i> in rohu <i>Labeo rohita</i> fry in pond conditions.	Sharma, J. G., Kumar, N., Singh, S. P., Singh, A., Hari Krishna, V. and Chakrabarti, R.	Department of Biotechnology, Delhi Technological University	Aquaculture (Elsevier)	2019
425	Discover opinion leader in online social network using firefly algorithm	Jain L., Katarya R.	Department of Computer Science & Engineering, Delhi Technological University	Expert Systems with Applications	2019
426	Commentary on, "Discussion on 'A novel approach to study the effects of asymmetric stiffness on parametric instabilities of multi-rotor-system' by Jain et al., Journal of Sound and Vibration 413 (2018) 159–172."	Jain A.K., Rastogi V., Agrawal A.K.	Department of Mechanical Engineering, Delhi Technological University	Journal of Sound and Vibration	2019
427	An empirical study to investigate oversampling methods for improving software defect prediction using imbalanced data	Malhotra R., Kamal S.	Department of Software Engineering, Department of Computer Science & Engineering, Delhi Technological University	Neurocomputing	2019
428	Ontology driven social big data analytics for fog enabled sentic-social governance	Kumar A., Sharma A.	Department of Computer Science & Engineering, Delhi Technological University	Scalable Computing	2019
429	Understanding the Nuances of Employees' Safety to Improve Job Satisfaction of Employees in Manufacturing Sector	Joshi M.	Delhi School of Management, Delhi Technological University	Journal of Health Management	2019
430	Design of novel hybrid WDM/multiple-beam FSO system to improve the link length in rainy season	Srivastava D., Kaur G., Singh P.	Department of Electronics & Communication Engineering, Delhi Technological University	Journal of Optics (India)	2019
431	The burden of prostate cancer is associated with human development index: evidence from 87 countries, 1990–2016	Sharma R.	University School of Management and Entrepreneurship, Delhi Technological University	EPMA Journal	2019

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432	Preparation and studies of pigeon pea stalk/polypropylene composites with and without compatibilizer	Luthra P., Singh R., Kapur G.S.	Department of Applied Chemistry, Delhi Technological University	Polymers and Polymer Composites	2019
433	Fog removal in images using improved dark channel prior and contrast limited adaptive histogram equalization	Kapoor R., Gupta R., Son L.H., Kumar R., Jha S.	Department of Electronics & Communication Engineering, Delhi Technological University	Multimedia Tools and Applications	2019
434	Stability of a delayed SIR epidemic model by introducing two explicit treatment classes along with nonlinear incidence rate and Holling type treatment	Kumar A., Nilam	Department of Applied Mathematics, Delhi Technological University	Computational and Applied Mathematics	2019
435	Facile one-pot synthesis of 5-amino-1H-pyrazole-4-carbonitriles using alumina-silica-supported MnO ₂ as recyclable catalyst in water	Dagar P., Singh R.	Department of Applied Chemistry, Delhi Technological University	Research on Chemical Intermediates	2019
436	Removal of phosphorous and nitrogen from wastewater in Brachiaria-based constructed wetland	Nandakumar S., Pipil H., Ray S., Haritash A.K.	Department of Environmental Engineering, Delhi Technological University	Chemosphere	2019
437	Polycyclic aromatic hydrocarbons: soil pollution and remediation	Sakshi, Singh S.K., Haritash A.K.	Department of Environmental Engineering, Delhi Technological University	International Journal of Environmental Science and Technology	2019
438	Screening of polymer-plasticizer systems for propellant binder applications: an experimental and simulation approach	Singh A., Radhakrishnan S., Vijayalakshmi R., Talawar M.B., Kumar A., Kumar D.	Department of Applied Chemistry, Delhi Technological University	Journal of Energetic Materials	2019
439	Two-dimensional transition metal dichalcogenides assisted biofunctionalized optical fiber SPR biosensor for efficient and rapid detection of bovine serum albumin	Kaushik S., Tiwari U.K., Deep A., Sinha R.K.	Department of Applied Physics, Delhi Technological University	Scientific Reports	2019
440	Phosphazene Superbase-mediated Regio- and Stereoselective Iodoaminocyclization of 2-(1-Alkynyl) benzamides for the Synthesis of Isoindolin-1-ones	Mehta S., Brahmchari D.	Department of Applied Chemistry, Delhi Technological University	The Journal of Organic Chemistry (JOC)	2019

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441	An asymptotic-numerical method for a class of weakly coupled convection dominated systems, Numerical Functional Analysis and Optimization	Kaushik A., ashishth A., Kumar V., Sharma M	Department of Applied Mathematics, Delhi Technological University	Numerical Functional Analysis and Optimization	2019
442	Comparative analysis of developmental changes of fruit metabolites, antioxidant activities and mineral elements content in Bhut jolokia and other Capsicum species.	Sarpras M, Ahmad I., Rawoof A., Ramchiary N.	Department of Biotechnology, Delhi Technological University	LWT Food Science and Technology	-2019
443	Salt stress triggers augmented levels of Na ⁺ , Ca ²⁺ and ROS and alter stress-responsive gene expression in roots of CBL9 and CIPK23 knockout mutants of Arabidopsis thaliana.	Nath M [], Bhatt D [], Jain A, Saxena SC, Saifi SK [], Yadav S, Negi M[], Prasad R[], Tuteja N. 2019	Department of Biotechnology, Delhi Technological University	Environmental and Experimental Botany	2019
444	Optimization of Tall structures under constraints of wind loads and fire safety	Kumar T.V.	Department of Civil Engineering, Delhi Technological University	International research Journal of Engineering and Technology	2019
445	Discover opinion leader in social network using firefly algorithm	Jain L., Katarya R.	Department of Computer Science & Engineering, Delhi Technological University	Expert Systems with Applications	2019
446	Ontology driven Social Big Data Analytics for Fog enabled Sentic-Social Governance,	Kumar A.,Sharma A.	Department of Computer Science & Engineering, Delhi Technological University	Scalable Computing: Practice and Experience.	May-19
447	Understanding the Nuances of Employees' Safety to Improve Job Satisfaction of Employees in Manufacturing Sector.	Joshi M.	Delhi School of Management, Delhi Technological University	Journal of Health Management	2018
448	Robust Repetitive Control Design for 3P4W Shunt Active Power Filter	Pandove G.,Singh M	Department of Electrical Engineering, Delhi Technological University	IEEE Transactions on Industrial Informatics	2018
449	Bamboo as a complementary crop to address climate change and livelihoods - Insights from India.	Dwivedi A.K., Kumar A., Baredar P., Prakash O.	Department of Electrical Engineering, Delhi Technological University	Forest Policy and Economics-Elsevier 102 (2019) 66–74. SCI Impact Factor: 2.496 https://doi.org/10.1016/j.forpol.2019.02.007	2018

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450	Solar-Wind Hybrid Systems For Power Generation	Goyal S., Singla S., Khokher S., Mahamna M., Kesari J.P.	Department of Mechanical Engineering, Delhi Technological University	SSRG IJME (International Journal of Mechanical Engineering), May 2019 http://www.internationaljournalsrg.org/IJME/IJME/index.html , SSRG - IJME - Volume 6 Issue 5 - May 2019, http://www.internationaljournalsrg.org/IJME/current-issue.html	2019
451	Opportunities and challenges of wind and tidal energy technology in India and around the world	Pandey R. and Kesari J.P.	Department of Mechanical Engineering, Delhi Technological University	Published in SSRG International Journal of Mechanical engineering, Volume 6, Number 5, May 2019, http://www.internationaljournalsrg.org/IJME/current-issue.html .	2018
452	A Review of The Combined Wind and Wave Energy Technologies	Kesari J.P., Gupta A., Shukla K., Garg P.	Department of Mechanical Engineering, Delhi Technological University	International Journal of Engineering Trends and Technology, 67(5), 131-136. May 2019, https://ijettjournal.org/archive/ijett-v67i5p221	2019
453	Market Microstructure: An Analysis of Indian Life Insurance	Murthy K.V. B., Kumar L.	University School of Management and Entrepreneurship, Delhi Technological University	Bimaquest: The Journal of Insurance, Pension and Management.	2019
454	Performance analysis of PTC field based ejector organic Rankine cycle integrated with a triple pressure level vapor absorption system (EORTPAS)	Gupta D.K., Kumar R., Kumar N.	Department of Mechanical Engineering, Delhi Technological University	Engineering Science and Technology, an International Journal	2019
455	Spectroscopic studies of Dy ³⁺ ions doped barium lead alumino fluoro borate glasses	Rekha Rani P., Venkateswarlu M., Mahamuda S., Swapna K., Deopa N., Rao A.S.	Department of Applied Physics, Delhi Technological University	Journal of Alloys and Compounds	2019
456	Design and analysis of an optimal ECC algorithm with effective access control mechanism for big data	Verma O.P., Jain N., Pal S.K.	Department of Electronics & Communication Engineering, Department of Information Technology, Delhi Technological University	Multimedia Tools and Applications	2019

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457	Design and Analysis of Static Characteristics of VCSEL at 1160 nm for Optical Interconnects	Goyal P., Kaur G.	Department of Electronics & Communication Engineering, Delhi Technological University	Journal of Optical Communications	2019
458	Characterization and parametric optimization of tribological properties of Mo blend composite coating	Tyagi A., Pandey S.M., Walia R.S., Murtaza Q.	Department of Mechanical Engineering, Delhi Technological University	Materials Research Express	2019
459	Dynamical Model of Epidemic Along with Time Delay; Holling Type II Incidence Rate and Monod-Haldane Type Treatment Rate	Kumar A., Nilam	Department of Applied Mathematics, Delhi Technological University	Differential Equations and Dynamical Systems	2019
460	A review on stone columns used for ground improvement of soft soil	Singh I., Sahu A.K.	Department of Civil Engineering, Delhi Technological University	International Journal of Innovative Technology and Exploring Engineering	2019
461	Energy efficient communication techniques for wireless sensor networks	Jaint B., Indu S., Pandey N.	Department of Electrical Engineering, Department of Electronics & Communication Engineering, Delhi Technological University	International Journal of Innovative Technology and Exploring Engineering	2019
462	SSO Maj -SMOTE-SSO Min : Three-step intelligent pruning of majority and minority samples for learning from imbalanced datasets	Susan S., Kumar A.	Department of Information Technology, Delhi Technological University	Applied Soft Computing Journal	2019
463	Design and analysis of a metamaterial inspired dual band antenna for WLAN application	Garg P., Jain P.	Department of Electronics & Communication Engineering, Delhi Technological University	International Journal of Microwave and Wireless Technologies	2019
464	High speed ALU design using vedic neurons for energy efficient sensor nodes	Antony S.M., Indu S., Pandey R.	Department of Electronics & Communication Engineering, Delhi Technological University	International Journal of Recent Technology and Engineering	2019
465	Design improvements in power amplifier for making energy efficient transceiver blocks of sensor nodes	Antony S.A., Indu S., Pandey R.	Department of Electronics & Communication Engineering, Delhi Technological University	International Journal of Innovative Technology and Exploring Engineering	2019

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466	Estimation of Functional Connectivity Modulations during Task Engagement and Their Neurovascular Underpinnings Through Hemodynamic Reorganization Method	Agrawal S., Chinnadurai V., Kaur A., Kumar P., Kaur P., Sharma R., Kumar Singh A.	Department of Applied Physics, Delhi Technological University	Brain Connectivity	2019
467	Comparative analysis of developmental changes of fruit metabolites, antioxidant activities and mineral elements content in Bhut jolokia and other Capsicum species	Sarpras M., Ahmad I., Rawoof A., Ramchiary N.	Department of Biotechnology, Delhi Technological University	LWT	2019
468	Robust Repetitive Control Design for a Three-Phase Four Wire Shunt Active Power Filter	Pandove G., Singh M.	Department of Electrical Engineering, Delhi Technological University	IEEE Transactions on Industrial Informatics	2019
469	Convolutional neural networks for crowd behaviour analysis: a survey	Tripathi G., Singh K., Vishwakarma D.K.	Department of Information Technology, Delhi Technological University	Visual Computer	2019
470	Bamboo as a complementary crop to address climate change and livelihoods – Insights from India	Dwivedi A.K., Kumar A., Baredar P., Prakash O.	Department of Mechanical Engineering, Delhi Technological University	Forest Policy and Economics	2019
471	New CFOA-based first-order all-pass filters and their applications	Yuce E., Verma R., Pandey N., Minaei S.	Department of Electronics & Communication Engineering, Delhi Technological University	AEU - International Journal of Electronics and Communications	2019
472	Management and disposal of mercury and amalgam in the dental clinics of South India: A cross-sectional study	Ramesh K., Ramesh M., Krishnan R.	Department of Environmental Engineering, Delhi Technological University	Journal of Pharmacy and Bioallied Sciences	2019
473	Blind image deblurring via gradient orientation-based clustered coupled sparse dictionaries	Singh K., Vishwakarma D.K., Walia G.S.	Department of Electronics & Communication, Delhi Technological University	Pattern Analysis and Applications	2019
474	Salt stress triggers augmented levels of Na ⁺ , Ca ²⁺ and ROS and alter stress-responsive gene expression in roots of CBL9 and CIPK23 knockout mutants of Arabidopsis thaliana	Nath M., Bhatt D., Jain A., Saxena S.C., Saifi S.K., Yadav S., Negi M., Prasad R., Tuteja N.	Department of Biotechnology, Delhi Technological University	Environmental and Experimental Botany	2019

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475	Highly efficient Polyaniline-MoS 2 hybrid nanostructures based biosensor for cancer biomarker detection	Soni A., Pandey C.M., Pandey M.K., Sumana G.	Department of Applied Chemistry, Delhi Technological University	Analytica Chimica Acta	2019
476	SSOMaj-SMOTE-SSOMin: Three-step intelligent pruning of majority and minority samples for learning from imbalanced datasets	Susan S., Kumar A.	Department of Information Technology, Delhi Technological University	Applied soft computing	2019
477	Achyranthes aspera (Prickly chaff flower) leaves- and seeds-supplemented diets regulate growth, innate immunity, and oxidative stress in Aeromonas hydrophila-challenged Labeo rohita	Singh A., Sharma J., Paichha M., Chakrabarti R.	Department of Biotechnology, Delhi Technological University	Journal of Applied Aquaculture	2019
478	Achyranthes aspera (Prickly chaff flower) leaves and seeds supplemented diets regulate the growth, innate immunity and oxidative stress in Aeromonas hydrophila challenged Labeo rohita	Singh, A., Sharma, J. G., Paichha, M. and Chakrabarti, R.	Department of Biotechnology, Delhi Technological University	Journal of Applied Aquaculture (Taylor & Francis).	2019
479	Spectroscopic Studies of Dy ³⁺ ions doped barium lead aluminofluoro borate glasses	Rani P.R., Venkateswarlu M., Mahamuda S.K., Swapna K., Deopa N., Rao A.S.	Department of Applied Physics, Delhi Technological University	Journal of Alloys and Compounds	2019
480	Elicitation effect on the production of asiaticoside and asiatic acid in shoot, callus, and cell suspension culture of Centella asiatica	Krishnan M.L., Roy A., Bharadvaja N.	Department of Biotechnology, Delhi Technological University	Journal of Applied Pharmaceutical Science	2019
481	Observational constraints on viscous Ricci dark energy model	Singh C.P., Kumar A.	Department of Applied Mathematics, Department of Applied Physics, Delhi Technological University	Astrophysics and Space Science	2019
482	Tribological behavior of temperature dependent environment friendly thermal CVD diamond coating	Tyagi A., Walia R.S., Murtaza Q.	Department of Mechanical Engineering, Delhi Technological University	Diamond and Related Materials	2019
483	A dispersion engineered silica-based photonic crystal fiber for supercontinuum generation in near-infrared wavelength region	Chauhan P., Kumar A., Kalra Y.	Department of Applied Physics, Delhi Technological University	Optik	2019

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485	Sub-30nm In ₂ O ₅ Sn gate electrode recessed channel MOSFET: A biosensor for early stage diagnostics	Kumar A., Tripathi M.M., Chaujar R.	Department of Electrical Engineering; Department of Applied Physics, Delhi Technological University	Vacuum	2019
486	Determination of the probabilities of landslide events-A case study of Bhutan	Sarkar R., Dorji K.	Department of Civil Engineering, Delhi Technological University	Hydrology	2019
487	Effect of Sm ³⁺ ions concentration on borosilicate glasses for reddish orange luminescent device applications	Deopa N., Kumar B., Sahu M.K., Rani P.R., Rao A.S.	Department of Applied Physics, Delhi Technological University	Journal of Non-Crystalline Solids	2019
488	Biochemical and thermodynamic characterization of de novo synthesized α -amylase from fenugreek	Agrawal D.C., Dwevedi A., Kayastha A.M.	Department of Biotechnology, Delhi Technological University	International Journal of Biological Macromolecules	2019
489	Enhanced potential of biomimetic, silver nanoparticles functionalized Antheraea mylitta (tasar) silk fibroin nanofibrous mats for skin tissue engineering	Srivastava C.M., Purwar R., Gupta A.P.	Department of Applied Chemistry, Delhi Technological University	International Journal of Biological Macromolecules	2019
490	Strength enhancement of the subgrade soil of unpaved road with geosynthetic reinforcement layers	Singh M., Trivedi A., Shukla S.K.	Department of Civil Engineering, Delhi Technological University	Transportation Geotechnics	2019
491	Performance analysis of specially designed single basin passive solar distillers incorporated with novel solar desalting stills: A review	Singh A.K., Singh D.B., Mallick A., Harender, Sharma S.K., Kumar N., Dwivedi V.K.	Department of Mechanical Engineering, Delhi Technological University	Solar Energy	2019
492	Design and analysis of functional link artificial neural network controller for shunt compensation	Arora A., Singh A.	Department of Electrical Engineering, Delhi Technological University	IET Generation, Transmission and Distribution	2019
493	Electrochemical Properties of Na _{0.66} V ₄ O ₁₀ Nanostructures as Cathode Material in Rechargeable Batteries for Energy Storage Applications	Saroha R., Khan T.S., Chandra M., Shukla R., Panwar A.K., Gupta A., Haider M.A., Basu S., Dhaka R.S.	Department of Applied Physics, Delhi Technological University	ACS Omega	2019

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494	Effects of flyash addition on the dry sliding tribological behavior of aluminum composites	Sharma V.K., Singh R.C., Chaudhary R., Saxena M., Anand M.	Department of Mechanical Engineering, Delhi Technological University	Materials Research Express	2019
495	The study of ameliorative effect of dietary supplementation of vitamin C, vitamin E, and tryptophan on Labeo rohita (Cyprinidae) fry exposed to intense light	Khan N.A., Sharma J.G., Chakrabarti R.	Department of Biotechnology, Delhi Technological University	Fish Physiology and Biochemistry	2019
496	Spectroscopic investigations of dysprosium ions doped oxy chloro boro tellurite glasses for visible photonic device applications	Sailaja P., Mahamuda S., Talewar R.A., Swapna K., Rao A.S.	Department of Applied Physics, Delhi Technological University;	Journal of Alloys and Compounds	2019
497	Influence of modifier oxides on spectroscopic properties of Eu ³⁺ doped oxy-fluoro tellurophosphate glasses for visible photonic applications	Jha K., Jayasimhadri M., Haranath D., Jang K.	Department of Applied Physics, Delhi Technological University	Journal of Alloys and Compounds	2019
498	Kinetics of carbon and nitrogen assimilation by heterotrophic microorganisms during wastewater treatment	Ray S., Scholz M., Haritash A.K.	Department of Environmental Engineering, Delhi Technological University	Environmental Monitoring and Assessment	2019
499	Phase-dependent optical and photocatalytic performance of synthesized titanium dioxide (TiO ₂) nanoparticles	Singh M.K., Mehata M.S.	Department of Applied Physics, Delhi Technological University	Optik	2019
500	Structural, Energy Storage Analysis and Enhanced Magnetoelectric Coupling in Mn Modified Multiferroic BiFeO ₃	Dabas S., Kumar M., Chaudhary P., Shankar S., Roy S., Thakur O.P.	Department of Applied Physics, Delhi Technological University	Journal of Electronic Materials	2019
501	Structural and mechanical properties of microwave hybrid sintered aluminium silicon carbide composite	Singhal C., Murtaza Q., Alam P., Hasan F.	Department of Mechanical Engineering, Delhi Technological University	Advances in Materials and Processing Technologies	2019
502	Preparation and characterization of poly(vinyl alcohol)/modified clay electrospun nanocomposite nanofibrous mats for microbial protection	Sharma B., Jain P., Purwar R.	Department of Applied Chemistry, Delhi Technological University	Journal of the Textile Institute	2019

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503	Development of Vegetable Oil Based Conducting Rigid PU Foam	Anuja Agrawal, Raminder Kaur, R.S. Wallia	Department of Applied Chemistry, Department of Mechanical Engineering, Delhi Technological University	e-Polymers	2019
504	A review on latest innovations in natural gums-based hydrogels: Preparations & applications	Ahmad S., Ahmad M., Manzoora K., Purwar R., Ikram S.	Department of Applied Chemistry, Delhi Technological University	International Journal of Biological Macromolecules	2019
505	Certain Class of starlike functions associated with modified sigmoid function	Kumar S., Goel P.	Department of Applied Mathematics, Delhi Technological University	Bulletin of Malaysian Mathematical Society	2019
506	Some new fixed-point results on V- \square -fuzzy contraction endowed with graph, Journal of Intelligent & Fuzzy Systems	Gupta V., Kaushik A., Verma M.	Department of Applied Mathematics, Delhi Technological University	Journal of Intelligent & Fuzzy Systems	2019
507	Sub-30nm In ₂ O ₅ Sn gate electrode recessed channel MOSFET: A biosensor for Early Stage Diagnostics	Kumar A., Tripathi M., Chaujar R.	Department of Applied Physics, Department of Electrical Engineering, Delhi Technological University	Vacuum, Elsevier	2019
508	Phase-dependent optical and photocatalytic performance of synthesized titanium dioxide (TiO ₂) nanoparticles.	Singh M.K., Mehata M.S.	Department of Applied Physics, Delhi Technological University	Optik - International Journal for Light and Electron Optics	2019
509	Influence of modifier oxides on spectroscopic properties of Eu ³⁺ doped oxy-fluorotellurophosphate glasses for visible photonic applications	Jha K., Jayasimhadri M., Haranath D., Jang K.	Department of Applied Physics, Delhi Technological University	Journal of Alloys and Compounds 789 (2019) 622-629 (IF: 4.175)	2019
510	Conductivity behavior and impedance studies in BaTiO ₃ -CoFe ₂ O ₄ magnetoelectric composites	Shankar S., Thakur O.P., Jayasimhadri M.	Department of Applied Physics, Delhi Technological University	Materials Chemistry and Physics 234 (2019) 110-121 (IF: 2.781)	2019
511	Effect of Sm ³⁺ ions Concentration on Borosilicate glasses for Reddish Orange Luminescent Device Applications	Deopa N., Kumar B., Sahu M.K., Rani P.R., Rao A.S.	Department of Applied Physics, Delhi Technological University	Journal of Non-Crystalline Solids	2019

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512	An Electron Paramagnetic Resonance and Photoluminescence investigation of UVB radiation emitting Gadolinium activated Ca ₂ Al ₄ SiO ₁₂ Garnet compound	Singh V., Kaur S., Rao A.S., Singh N., Pathakand M.S., Rao J.L.	Department of Applied Physics, Delhi Technological University	Journal of Electronic Materials	2019
513	Silver Nanoparticles Synthesis from Plumbago zeylanica and its Dye Degradation Activity	Roy A., Bharadvaja N.	Department of Biotechnology, Delhi Technological University	Bioinspired Biomimetic and Nanobiomaterials	2019
514	Strength enhancement of the subgrade soil of unpaved road with geosynthetic reinforcement layers.	Singh M, Trivedi A., Shukla S.K.	Department of Civil Engineering, Delhi Technological University	Transportation Geotechnics	2019
515	FPGA-Based Architecture for Implementation of Discrete Sine Transform	Jain A., Pandey N., Jain P.	Department of Electronics & Communication Engineering, Delhi Technological University	Advances in System Optimization and Control	2019
516	Metamaterial-based Patch Antennas-Review	Garg P., Jain P.	Department of Electronics & Communication Engineering, Delhi Technological University	Advances in System Optimization and Control	2019
517	Isolation Improvement of MIMO Antenna using a Novel Flower Shaped Metamaterial Absorber at 5.5 GHz WiMAX band, with	Garg P., Jain P.	Department of Electronics & Communication Engineering, Delhi Technological University	IEEE Transactions on Circuits and Systems II: Express Briefs, 2019. (Accepted). (SCI Journal)	2018
518	Concentrating Solar Energy for Steam Generation and its Application in Mega Kitchens	Tayal P., Chawla G., Kesari J.P.	Department of Mechanical Engineering, Delhi Technological University	SSRG International Journal of Mechanical Engineering (SSRG-IJME) Volume 6, Issue 6, June 2019	2018
519	Thermodynamic performance evaluation of single effect Li/Br H ₂ O vapour absorption refrigeration system cascaded with vapour compression system using ecofriendly HFC-134a and HFO-1234yf refrigerants	Mishra R.S.	Department of Mechanical Engineering, Delhi Technological University	International Journal of Research in Engineering and Innovation, Vol-3, Issue-3 (2019),165-182., June - 2019 journal home page: http://www.ijrei.com .	2019

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521	FMS scheduling using AGVs by soft computing techniques: A Review	Tayal P., Chawla G., Kesari J.P.	Department of Mechanical Engineering, Delhi Technological University	International Journal of Research in Engineering and Innovation, Vol-3, Issue-3 (2019),200-207, June - 2019 journal home page: http://www.ijrei.com .	2019
522	Methods for improving thermodynamic performances of vapour compression refrigeration	Mishra R.S.	Department of Mechanical Engineering, Delhi Technological University	International Journal of Research in Engineering and Innovation, Vol-3, Issue-3 (2019),223-229, June - 2019 journal home page: http://www.ijrei.com . July-Aug-2019	2019
523	Performance evaluation of solar assisted half effect Li/Br vapour absorption refrigeration system cascaded with vapour compression refrigeration system using eco-friendly refrigerants	Mishra R.S.	Department of Mechanical Engineering, Delhi Technological University	International Journal of Advance Research and Innovation, Volume 7 Issue 2 (2019) 156-161. http://www.ijari.org .	2019
524	Macro-economic Antecedents of Stock Return and Exchange Rate	Murthy K.V.B., Singh A.K., Aggarwal A.	University School of Management & Entrepreneurship, Delhi Technological University	Indian Journal of Finance, V.13, Issue 6, June.	2019
525	Stock Market Volatility: A Review of Empirical Literature	Murthy K.V.B., Singh A.K., Hussain S.	University School of Management & Entrepreneurship, Delhi Technological University	The IUJ Journal of Management.	2019
526	Empirical assessment of feature selection techniques in defect prediction models using web applications	Malhotra R., Sharma A.	Department of Computer Science & Engineering, Delhi Technological University	Journal of Intelligent and Fuzzy Systems	2019
527	Comparative evaluation of 99mTc-MBIP-X/11[C] MBMP for visualization of 18 kDa translocator protein	Srivastava P., Kumari N., Kakkar D., Kaul A., Kumar P., Tiwari A.K.	Department of Biotechnology, Delhi Technological University	New Journal of Chemistry	2019

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528	Modified benzoxazolone (ABO-AA) based SPECT probes for 18 kDa TSPO	Srivastava P., Kumar P., Tiwari A.	Department of Biotechnology, Delhi Technological University	Drug Development and Research (Wiley)	2019
529	Comparative evaluation of ^{99m} Tc-MBIP-X/11[C] MBMP for visualization of 18 kDa translocator protein,	Srivastava P., Kumari N., Kakkar D., Kaul A., Kumar P., Tiwari A.K.	Department of Biotechnology, Delhi Technological University	New Journal of Chemistry (RSC)	2019
530	Spectroscopic Investigations of dysprosium ions doped Oxy ChloroBoro Tellurite Glasses for Visible Photonic Device Applications	Sailaja P., Mahamuda S.K., Talewar R.A., Swapna K., Rao A.S.	Department of Applied Physics, Delhi Technological University	Journal of Alloys and Compounds	2019
531	Applications of Immuno-electrochemical Detection Strategies for Food Analysis	Nara S., Malhotra B.D.	Department of Biotechnology, Delhi Technological University	Food Chemistry, Function and Analysis	2019
532	Realization of Second-Order Structure of Recursive Algorithm for Discrete Cosine Transform	Dahiya P., Jain P.	Department of Electronics & Communication Engineering, Delhi Technological University	Circuits, Systems, and Signal Processing	2019
533	Some new fixed point results on V- \square -fuzzy contraction endowed with graph	Gupta V., Kaushik A., Verma M.	Department of Applied Mathematics, Delhi Technological University	Journal of Intelligent and Fuzzy Systems	2019
534	Voltage unbalance compensation using novel virtual impedance loop	Saroha J., Singh M., Jain D.K.	Department of Electrical Engineering, Delhi Technological University	Journal of Electrical Systems	2019
535	Anomaly Detection in Group Activities Based on Fuzzy Lattices using Schrödinger Equation	Kapoor R., Mishra O., Tripathi M.M.	Department of Electronics & Communication Engineering, Delhi Technological University	IJCS, Springer	2018
536	Underwater Image Enhancement: A Review	Prakash P., Jayanthi N., Garg V.	Department of Electronics and Communication Engineering, Delhi Technological University	Journal of Emerging Technologies and Innovative Research, Volume6, Issue6,	2019
537	Kernel intuitionistic fuzzy entropy clustering for MRI image segmentation	Kumar D., Agrawal R.K., Verma H.	Department of Applied Mathematics, Delhi Technological University	Soft Computing	2019
538	Evaluation of supply chain coordination index in context to Industry 4.0 environment	Singh R.K., Kumar P., Chand M.	Department of Mechanical Engineering, Delhi Technological University	Benchmarking	2019
539	Bearing capacity behaviour of geosynthetics reinforced soil	Mudgal A., Sarkar R., Shrivastava A.K.	Department of Civil Engineering, Delhi Technological University	International Journal of Innovative Technology and Exploring Engineering	2019

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540	Investigations of tribodynamic characteristics of chrome steel pin against plain and textured surface cast iron discs in lubricated conditions	Lal R., Singh R.C.	Department of Mechanical Engineering, Delhi Technological University	World Journal of Engineering	2019
541	Modeling and development of an autonomous underwater vehicle Arya for object recognition	Natu A., Badhwar A., Garg V., Biswas U., Bansal D., Kumar A.	Department of Mechanical Engineering, Department of Applied Mathematics, Department of Electrical Engineering, Delhi Technological University	International Journal of Recent Technology and Engineering	2019
542	Adaptive sitting plan algorithm based on henon chaotic map	Kumar A., Raghava N.S.	Department of Information Technology, Department of Electronics & Communication Engineering, Delhi Technological University	International Journal of Scientific and Technology Research	2019
543	Effect of 3d geogrid and glasgrid in the bearing capacity of square footing over soil slope	Mudgal A., Sarkar R., Shrivastava A.K.	Department of Civil Engineering, Delhi Technological University	International Journal of Recent Technology and Engineering	2019
544	MSB based cellular automata for edge detection	Swarup J., Indu S.	Department of Information Technology, Department of Electronics & Communication Engineering, Delhi Technological University	International Journal of Innovative Technology and Exploring Engineering	2019
545	Adaptive mobile sink for energy efficient WSN using biogeography-based optimization	Kaushik A., Indu S., Gupta D.	Department of Computer Science & Engineering, Department of Electronics & Communication Engineering, Delhi Technological University	International Journal of Mobile Computing and Multimedia Communications	2019
546	Novel CFOA based capacitance multiplier and its application	Verma R., Pandey N., Pandey R.	Department of Electronics & Communication Engineering, Delhi Technological University	AEU - International Journal of Electronics and Communications	2019
547	A visual cognizance based multi-resolution descriptor for human action recognition using key pose	Vishwakarma D.K., Singh T.	Department of Information Technology, Department of Electronics & Communication Engineering, Delhi Technological University	AEU - International Journal of Electronics and Communications	2019

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548	Finding significant keywords for document databases by two-phase Maximum Entropy Partitioning	Susan S., Keshari J.	Department of Information Technology, Delhi Technological University	Pattern Recognition Letters	2019
549	A novel path planning algorithm for visually impaired people	Nandini D., Seeja K.R.	Department of Computer Science & Engineering, Delhi Technological University	Journal of King Saud University - Computer and Information Sciences	2019
550	The recommender systems model for smart cities	Tayal S., Sharma K.	Department of Information Technology, Delhi Technological University	International Journal of Recent Technology and Engineering	2019
551	Deeper insight of various full-adder designs with various techniques and technology	Singh P., Sharma S., Singh A.	Department of Civil Engineering, Delhi Technological University	International Journal of Recent Technology and Engineering	2019
552	Indian smart city ranking model	Sharma K., Tayal S.	Department of Computer Science & Engineering, Delhi Technological University	International Journal of Recent Technology and Engineering	2019
553	Printing of lyocell fabric with rubia cordifolia and acacia catechu using guar gum and chitosan as thickening agent	Ojha D., Deodiya S., Purwar R.	Department of Applied Chemistry, Delhi Technological University	Indian Journal of Traditional Knowledge	2019
554	Parallel hybrid BBO search method for twitter sentiment analysis of large scale datasets using MapReduce	Tripathi A.K., Sharma K., Bala M.	Department of Information Technology, Delhi Technological University	International Journal of Information Security and Privacy	2019
555	Analysis of configuration interaction and convergence with energy levels and radiative data in W XXXIX	Sharma R., Goyal A., Mohan M.	Department of Applied Physics, Delhi Technological University	Journal of Electron Spectroscopy and Related Phenomena	2019
556	Modeling and Simulation of Mild Wear of Spur Gear Considering Radial Misalignment	Kumar P., Hirani H., Agrawal A.K.	Department of Mechanical Engineering, Delhi Technological University	Iranian Journal of Science and Technology - Transactions of Mechanical Engineering	2019
557	Prioritisation and evaluation of barriers intensity for implementation of cleaner technologies: Framework for sustainable production	Bhandari D., Singh R.K., Garg S.K.	Department of Mechanical Engineering, Delhi Technological University	Resources, Conservation and Recycling	2019
558	Smaller feature subset selection for real-world datasets using a new mutual information with Gaussian gain	Susan S., Hanmandlu M.	Department of Information Technology, Delhi Technological University	Multidimensional Systems and Signal Processing	2019

S. No.	Title of the Paper	Authors Name	Department Name	Journal title	Publication Year
559	Tumor blood perfusion-based requirement of nanoparticle dose-loadings for plasmonic photothermal therapy	Soni S., Sinha R.K.	Department of Applied Physics, Delhi Technological University	Nanomedicine	2019
560	Programmable CCCII: Reliability analysis and design methodology	Tiwari M.K., Pandey N., Paul S.K., Rizvi S.M.I.	Department of Electronics & Communication Engineering, Delhi Technological University	IET Circuits, Devices and Systems	2019
561	Deep Sparse Representation Classifier for facial recognition and detection system	Cheng E.J., Chou K.P., Rajora S., Jin B.H., Tanveer M., Lin C.T., Young K.Y., Lin W.C., Prasad M.	Department of Information Technology, Delhi Technological University	Pattern Recognition Letters	2019
562	Dynamics and temperature sensitivity of soil organic carbon mineralization under medium-term conservation agriculture as affected by residue and nitrogen management options	Jat S.L., Parihar C.M., Dey A., Nayak H.S., Ghosh A., Parihar N., Goswami A.K., Singh A.K.	Department of Electronics & Communication Engineering, Delhi Technological University	Soil and Tillage Research	2019
563	Secure multimodal biometric system based on diffused graphs and optimal score fusion	Walia G.S., Rishi S., Asthana R., Kumar A., Gupta A.	Department of Applied Mathematics, Delhi Technological University	IET Biometrics	2019
564	Nanostructured GaN and AlGaIn/GaN heterostructure for catalyst-free low-temperature CO sensing	Mishra M., Bhalla N.K., Dash A., Gupta G.	Department of Applied Physics, Delhi Technological University	Applied Surface Science	2019
565	Nucleic acid delivery to differentiated retinal pigment epithelial cells using cell-penetrating peptide as a carrier	Subia B., Reinisalo M., Dey N., Tavakoli S., Subrizi A., Ganguli M., Ruponen M.	Department of Applied Chemistry, Delhi Technological University	European Journal of Pharmaceutics and Biopharmaceutics	2019
566	Study on the structure, stability and tautomerisms of meta-benziporphodimethene and N-Confused isomers containing β -lactam ring	Kumar A., Hung C.H., Rana S., Deshmukh M.M.	Department of Applied Chemistry, Delhi Technological University	Journal of Molecular Structure	2019
567	Adaptive EPLL for improving power quality in three-phase three-wire grid-connected photovoltaic system	Chittora P., Singh A., Singh M.	Department of Electrical Engineering, Delhi Technological University	IET Renewable Power Generation	2019
568	Effect of direct LN2 single jet supply during turning of AISI D3 steel alloy using an optimization technique	Sharma A., Singh R.C., Singari R.M.	Department of Applied Chemistry, Delhi Technological University	Materials Research Express	2019

S. No.	Title of the Paper	Authors Name	Department Name	Journal title	Publication Year
569	Development of polypropylene/banana peel (treated and untreated) composites with and without compatibilizer and their studies	Luthra P., Singh R., Kapur G.S.	Department of Applied Chemistry, Delhi Technological University	Materials Research Express	2019
570	LECTOR incorporated differential cascode voltage swing logic (L-DCVSL)	Bajpai P., Pandey N., Gupta K., Panda J.	Department of Electronics & Communication Engineering, Delhi Technological University	Analog Integrated Circuits and Signal Processing	2019
571	Spectroscopic properties of deep red emitting Tm ³⁺ doped ZnPbWTe glasses for optoelectronic and laser applications	Sharma R., Prasad A., Kaur S., Deopa N., Rani R., Venkateswarlu M., Rao A.S.	Department of Applied Physics, Delhi Technological University	Journal of Non-Crystalline Solids	2019
572	Iris localization for direction and deformation independence based on polynomial curve fitting and singleton expansion	Kapoor R., Gupta R., Son L.H., Kumar R.	Department of Electronics & Communication, Delhi Technological University	Multimedia Tools and Applications	2019
573	Antimicrobial gelatin/sericin/clay films for packaging of hygiene products	Purwar R., Verma A., Batra R.	Department of Applied Chemistry, Delhi Technological University	Journal of Polymer Engineering	2019
574	A low-power voltage differencing buffered amplifier	Gupta P., Pandey R.	Department of Electronics & Communication Engineering, Delhi Technological University	International Journal of Circuit Theory and Applications	2019
575	Workplace Spirituality and Job Satisfaction: Exploring Mediating Effect of Organization Citizenship Behaviour	Garg N., Punia B.K., Jain A.	University School of Management & Entrepreneurship, Delhi Technological University	Vision	2019
576	Performance Analysis of Diesel Cycle under Efficient Power Density Condition with Variable Specific Heat of Working Fluid	Raman R., Kumar N.	Department of Mechanical Engineering, Delhi Technological University	Journal of Non-Equilibrium Thermodynamics	2019
577	Adaptive enhancement of underwater images using multi-objective PSO	Sethi R., Sreedevi I.	Department of Information Technology, Department of Electronics & Communication Engineering, Delhi Technological University	Multimedia Tools and Applications	2019
578	Investigation on flammability of rigid polyurethane foam-mineral fillers composite	Agrawal A., Kaur R., Walia R.S.	Department of Applied Chemistry, Department of Mechanical Engineering, Delhi Technological University	Fire and Materials	2019

S. No.	Title of the Paper	Authors Name	Department Name	Journal title	Publication Year
579	Recent progress in conductive polymeric materials for biomedical applications	Nair S.S., Mishra S.K., Kumar D.	Department of Applied Chemistry, Delhi Technological University	Polymers for Advanced Technologies	2019
580	Improvement of partial shading resilience of PV array through modified bypass arrangement	Ghosh S., Yadav V.K., Mukherjee V.	Department of Electrical Engineering, Delhi Technological University	Renewable Energy	2019
581	Flame retardancy of ceramic-based rigid polyurethane foam composites	Agrawal A., Kaur R., Singh Walia R.	Department of Applied Chemistry, Department of Mechanical Engineering, Delhi Technological University	Journal of Applied Polymer Science	2019
582	Preparation and studies of Pigeon Pea Stalk/ Polypropylene Composites with and without Compatibilizer	Priyanka Luthra, Ram Singh and G.S. Kapur	Department of Applied Chemistry, Delhi Technological University	Polymers and Polymer Composites,	2019
583	Study on the Structure, Stability, and Tautomerisms of meta-Benziporphodimethene and N-Confused Isomers Containing β -Lactam Ring	Kumar A., Hung C.H., Rana S., Deshmukh M.M.	Department of Applied Chemistry, Delhi Technological University	Journal of Molecular Structure 1187 (138-150)	2019
584	A Non-Local Theory of Current Driven Low Frequency Modes in a Magnetized Strongly Coupled Collisional Dusty Plasma	Segwal K., Sharma S.C.	Department of Applied Physics, Delhi Technological University	IEEE Trans on Plasma Science	2019
585	Structural, Optical and NIR studies of Er ³⁺ ions doped Bismuth Boro Tellurite Glasses for Luminescence Materials Applications	Lakshmi Y.A., Swapna K., Reddy K.S.R.K., Venkateswarlu M., Mahamuda S.K., Rao A.S.	Department of Applied Physics, Delhi Technological University	Journal of Luminescence	2019
586	Role of Industry Factors in Financing the Outward Foreign Direct Investment by Indian MNEs	Tripathi V., Thukral S.	Delhi School of Management, Delhi Technological University	Global Business Review	2019
587	State estimation of common emitter amplifier using iterated extended Kalman filters	Gautam A.K, Majumdar S.	Department of Electronics & Communication Engineering, Delhi Technological University	International Journal of Innovative Technology and Exploring Engineering	2019
588	Efficient MDCT Recursive structure for VLSI implementation”	Dahiya P., Jain P.	Department of Electronics & Communication Engineering, Delhi Technological University	Circuits System and Signal Processing,	2019

S. No.	Title of the Paper	Authors Name	Department Name	Journal title	Publication Year
589	A Low Power Voltage Differencing buffered Amplifier	Gupta P., Pandey R.	Department of Electronics & Communication Engineering, Delhi Technological University	International Journal of Circuit Theory and Applications	2019
590	Seasonal behaviour of thermal stratification and trophic status in a sub-tropical Palustrine water body	Singh P., Bagrania J., Haritash A.K.	Department of Environment Engineering, Delhi Technological University	Applied Water Science, 9 (5), 139	2019
591	Experimental Investigation on Thermal Behavior of Hybrid Single Slope Solar Still	Rani A., Ravikant, Suresh S., Kumar A.	Department of Mechanical Engineering, Delhi Technological University	Journal of Thermal Engineering. ISSN: 2148-7847 (Accepted). SCOPUS, ESCI	2018
592	Performance measurement of flexible manufacturing system: A case study	Mishra R.S., Saxena H., Madan A.K.	Department of Mechanical Engineering, Delhi Technological University	International Journal of Research in Engineering and Innovation, Vol-3, Issue-3 (2019),230-234, July - 2019 journal home page: http://www.ijrei.com .	2019
593	Meta heuristic optimization algorithms used in flexible manufacturing techniques: A review	Mishra R.S., Kaur G.P., Madan A.K.	Department of Mechanical Engineering, Delhi Technological University	International Journal of Research in Engineering and Innovation, Vol-3, Issue-3 (2019),240-244, July - 2019 journal home page: http://www.ijrei.com .	2019
594	Performance improvement using nano materials mixed in R-718 in the secondary circuit of evaporator of vapour compression refrigeration system using ecofriendly refrigerants	Mishra R.S.	Department of Mechanical Engineering, Delhi Technological University	International Journal of Research in Engineering and Innovation, Vol-3, Issue-3 (2019),265-275, July - 2019 journal home page: http://www.ijrei.com .	2019
595	Thermodynamic analysis of brayton cycle for power generation	Mishra R.S., Saxena H., Madan A.K.	Department of Mechanical Engineering, Delhi Technological University	International Journal of Research in Engineering and Innovation, Vol-3, Issue-3 (2019),282-290, July - 2019 journal home page: http://www.ijrei.com .	2019
596	Modelling and performance analysis of energy detector-based spectrum sensing with maximum ratio combining over Nakagami-m/log-normal fading channels	Verma P.K., Kumar R.	Department of Electronics & Communication Engineering, Delhi Technological University	International Journal of Communication Networks and Distributed Systems	2019

S. No.	Title of the Paper	Authors Name	Department Name	Journal title	Publication Year
597	Development of vegetable oil-based conducting rigid PU foam	Agrawal A., Kaur R., Walia R.S.	Department of Applied Chemistry, Department of Mechanical Engineering, Delhi Technological University	E-Polymers	2019
598	Analysis of structural parameters on sensitivity of black phosphorus junctionless recessed channel MOSFET for biosensing application	Kumar A., Gupta N., Tripathi M.M., Chaujar R.	Department of Electrical Engineering, Department of Applied Physics, Delhi Technological University	Microsystem Technologies	2019
599	Spectroscopic properties of deep red emitting Tm ³⁺ ions doped ZnPbWTe Glasses for Optoelectronic and Laser Applications	Sharma R., Prasad A., Kaur S., Deopa N., Rani R., Venkateswarlu M., Rao A.S.	Department of Applied Physics, Delhi Technological University	Journal of Non-Crystalline Solids	2019
600	Role of Industry Factors in Financing the Outward Foreign Direct Investment by Indian Multinational Enterprises	Tripathi V., Thukral S.	Delhi School of Management, Delhi Technological University	Global Business Review	2019
601	Efficient MDCT Recursive Structure for VLSI Implementation	Dahiya P., Jain P.	Department of Electronics & Communication Engineering, Delhi Technological University	Circuits, Systems, and Signal Processing	2019
602	Radius Problems for Starlike Functions Associated with the Sine Function	Cho N.E., Kumar V., Kumar S.S., Ravichandran V.	Department of Applied Mathematics, Delhi Technological University	Bulletin of the Iranian Mathematical Society	2019
603	Globalisation, ICT And Entrepreneurship: A Study of Women Engineers In India	Singh S.	University School of Management & Entrepreneurship, Delhi Technological University	International Journal of Creative Research Thoughts	2019
604	Agricultural Technology Adoption and its Determinants in Ethiopia: A Reviewed Paper	Ayanalem Shita, Nand Kumar and Seema Singh	University School of Management & Entrepreneurship, Delhi Technological University	Asia Pacific Journal of research	2019
605	Design and Simulation of Broadband Beam Splitter on a Silicon Nitride Platform for Optical Coherence Tomography	Sharma B., Kishor K., Sharma S., Makkar R.	Applied Physics Department, Delhi Technological University	Fiber and Integrated Optics	2019
606	Human Action Recognition Using Modified Bag of Visual Word Based on Spectral Perception	Mishra O., Kapoor R., Tripathi M.M.	Department of Electronics & Communication Engineering, Delhi Technological University	International Journal of Image, Graphics and Signal Processing	2018

S. No.	Title of the Paper	Authors Name	Department Name	Journal title	Publication Year
607	Parallel 2Hybrid BBO Search Method for Twitter Sentiment Analysis of Large Scale Datasets Using MapReduce	Tripathi A.K., Sharma K., Bala M.	Department of Information Technology, Delhi Technological University	International Journal of Information Security and Privacy	2018
608	A Robust Framework for Abnormal Human Action Recognition Using R-Transform and Zernike Moments in Depth Videos	Dhiman C., Vishwakarma D.K.	Department of Information Technology, Delhi Technological University	IEEE Sensors Journal	2018
609	New shape descriptor in the context of edge continuity	Susan S., Agrawal P., Mittal M., Bansal S.	Department of Information Technology, Delhi Technological University	CAAI Transactions on Intelligence Technology	-2019
610	A Hybrid-Based Verifiable Secret Sharing Scheme Using Chinese Remainder Theorem	Verma O.P., Jain N., Pal S.K.	Department of Information Technology, Department of Electronics & Communication Engineering, Delhi Technological University	Arabian Journal for Science and Engineering	2019
611	Comparative study and measurement of form errors for the component printed by FDM and polyjet process	Maurya N.K., Rastogi V., Singh P.	Department of Mechanical Engineering, Delhi Technological University	Instrumentation Measure Metrologie	2019
612	Integrated scheduling of part, tool and automated guided vehicles in a flexible manufacturing system using modified genetic algorithm	Kumar N., Chandna P., Joshi D.	Department of Electrical Engineering, Delhi Technological University	International Journal of Industrial and Systems Engineering	2019
613	Optimization of Engine Parameters using Polanga Biodiesel and Diesel Blends by using Taguchi Method	Sharma A., Ansari N.A., Singh Y., Mohammed I.M., Vivekanandhan C.	Department of Mechanical Engineering, Delhi Technological University	Materials Today: Proceedings	2018
614	Dynamic Stress Analysis of L-1 Low Pressure Steam Turbine Blade: Mathematical Modelling and Finite Element Method	Bhagi L.K., Rastogi V., Gupta P., Pradhan S.	Department of Mechanical and Production Engineering, Delhi Technological University	Materials Today: Proceedings	2018
615	Corroborating the Spin Gapless Character of Ti ₂ MnAl Inverse Heusler Alloy: A study of Strains Effect	Singh M., Kashyap M.K., Saini H.S.	Department of Applied Physics, Delhi Technological University	Materials Today: Proceedings	2018
616	Particle Swarm Optimization based Automatic Generation Control of Interconnected Power System incorporating Battery Energy Storage System	Gupta N., Kumar N.	Department of Electrical Engineering, Delhi Technological University	Procedia Computer Science	2018

S. No.	Title of the Paper	Authors Name	Department Name	Journal title	Publication Year
617	Computational Analysis of Liquid Jet Impingement Microchannel Cooling	Zunaid M., Cho H.M., Husain A., Jindal A., Kumar R., Chauhan B.S.	Department of Mechanical Engineering, Delhi Technological University	Materials Today: Proceedings	2018
618	Modelling of structural and material parameters of optical planar waveguide to control birefringence	Parasher Y., Kaushik A., Kaur G., Singh P.	Department of Electronics and Communication Engineering, Delhi Technological University	Optics InfoBase	2018
619	UWB and miniaturized meandered stripline fed metamaterial loaded antenna for satellite applications	Dawar P., Raghava N.S., De A.	Department of Electronics and Communication Engineering, Delhi Technological University	Materials Science and Engineering	2019
620	Selection of Traceable Technology in Food Supply Chain	Khan S., Imran Khan M., Haleem A., Shuaib M.	Department of Mechanical Engineering, Delhi Technological University	Materials Science and Engineering	2018
621	Macro-mechanical Analysis on the Variation of Fibre Orientation in a Composite UAV Landing Gear	Chauhan H.R., Rastogi V., Agarwal A.K.	Department of Mechanical Engineering, Delhi Technological University	Materials Science and Engineering	2018
622	Emotion classification using EEG signals	Dabas H., Sethi C., Dua C., Dalawat M., Sethia D.	Department of Computer Science and Engineering, Delhi Technological University	IEEE Access	2018
623	EEG-based attention feedback to improve focus in e-learning	Sethi C., Dabas H., Dua C., Dalawat M., Sethia D.	Department of Computer Science and Engineering, Delhi Technological University	IEEE Access	2018
624	Security Validation of Cloud Based Storage	Jaiswal S., Gupta D.	Department of Computer Science and Engineering, Delhi Technological University	International Conference on Advances in Computing and Data Sciences (ICACDS 2019)	2019
625	Investigation on multiple parametric optimization of cold sprayed coatings process	Goyal T., Walia R.S., Sidhu T.S.	Department of Mechanical Engineering, Delhi Technological University	Materials Science and Technology 2018, MS and T 2018	2018
626	Implementation of immune feedback control algorithm for distribution static compensator	Badoni M., Singh A., Singh B.	Department of Electrical Engineering, Delhi Technological University	IEEE Transactions on Industry Applications	2019

16.2 CONFERENCE PUBLICATIONS

S. No.	Authors Name	Title of the Paper	Name of the conference	National/ International	Publication Month and Year	ISBN/ISSN number of the proceeding	Department Name	Name of the publisher
1	Singh A., Pal A.	Numerical investigation of autoignition of singlecomponent and multicomponent surrogate of diesel fuel	Australasian Fluid Mechanics Conference	International	December-18	9780646597843	Department of Mechanical Engineering, Delhi Technological University	Australasian Fluid Mechanics Society
2	Mishra S., Tomar M., Ahmad A., Jain S., Kumar N.	Numerical study of forced convection in different fluids from stationary heated cylinders in a square enclosure	ASME International Mechanical Engineering Congress and Exposition	International	January-19	9780791852118	Department of Mechanical Engineering, Delhi Technological University	American Society of Mechanical Engineers (ASME)
3	Chaudhary R., Joshi S., Singh R.C.	Mechanical and wear performance of surface composite fabricated by solid-state Technique-A review	Materials Today: Proceedings	International	December-18	22147853	Department of Mechanical Engineering, Delhi Technological University	Elsevier Ltd
4	Kumari N., Trivedi A.	Application of semi-active control strategy for the wall retaining granular fills	Springer Series in Geomechanics and Geoengineering	International	August-18	9783319971148	Department of Civil and Environmental Engineering, Delhi Technological University	Springer Verlag
5	Mehra S., Trivedi A.	Experimental studies on model single pile and pile groups subjected to torque	Springer Series in Geomechanics and Geoengineering	International	August-18	9783319971148	Department of Civil and Environmental Engineering, Delhi Technological University	Springer Verlag
6	Shougrakpam S., Trivedi A.	Formation of biomineralized calcium carbonate precipitation and its potential to strengthen loose sandy soils	Springer Series in Geomechanics and Geoengineering	International	August-18	9783319971117	Department of Civil Engineering, Delhi Technological University	Springer Verlag

S. No.	Authors Name	Title of the Paper	Name of the conference	National/ International	Publication Month and Year	ISBN/ISSN number of the proceeding	Department Name	Name of the publisher
7	Goyal P., Shankhwar N., Kalra Y.	Design and analysis of a hollow bowtie nanoantenna	SPIE - The International Society for Optical Engineering	International	September-18	9781510620155	Department of Applied Physics, Delhi Technological University	SPIE
8	Arora H., Madan J., Chaujar R.	Impact on Analog and Linearity Performance of Nanoscale AlGaIn/GaN HEMT with Variation in Surface Passivation Stack	Materials Today: Proceedings	International	August-18	22147853	Department of Applied Physics, Delhi Technological University	Elsevier Ltd
9	Pandey N., Gupta K., Choudhary B.	MCML Dynamic Register Design	Midwest Symposium on Circuits and Systems	International	August-18	15483746	Department of Electronics and Communication Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
10	Choudhary M., Narang R., Khanna P.	Design and fabrication of a programmable selective sorting system	Lecture Notes in Engineering and Computer Science	International	October-18	9789881404909	Department of Mechanical Engineering, Delhi Technological University	Newswood Limited
11	Sharma V.K., Singh R.C., Chaudhary R.	Experimental Study of Tribological Behavior of Casted Aluminium-Bronze	Materials Today: Proceedings	International	December-18	22147853	Department of Mechanical and Production Engineering, Delhi Technological University	Elsevier Ltd
12	Ansari N.A., Arora A., Samsher S., Kd M.	Optimum Performance Analysis of a Hybrid Cascade Refrigeration System Using Alternative Refrigerants	Materials Today: Proceedings	International	December-18	22147853	Department of Mechanical Engineering, Delhi Technological University	Elsevier Ltd
13	Gupta A., Ayyar M., Singh A.K., Shah R.R.	Raiden11@ IEC SIL-FIRE-2018: Named entity recognition for Indian languages	FIRE 2018	National	December-18	16130073	Department of Civil Engineering, Delhi Technological University	CEUR-WS

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14	Paliwal A., Dham J.S., Kumar A., Gautam L.	Optical modeling and computational analysis of tapered dome shaped nanoantenna	Forum for Information Retrieval Evaluation	International	September-18	9781510620155	Department of Applied Physics, Delhi Technological University	SPIE
15	Gautam L., Tomar A., Kumar A.	Design and analysis of graded rectangular-core photonic crystal fiber for terahertz communication	SPIE - The International Society for Optical Engineering	International	September-18	9781510620810	Department of Applied Physics, Delhi Technological University	SPIE
16	Chauhan P., Kumar A., Kalra Y., Saini T.S.	Highly nonlinear spiral shaped photonic crystal fiber in a Ga-Sb-S chalcogenide glass for nonlinear applications	SPIE - The International Society for Optical Engineering	International	September-18	9781510620810	Department of Applied Physics, Delhi Technological University	SPIE
17	Shankhwar N., Kalra Y., Sinha R.	Dielectric zero-index metamaterial filled photonic crystal defect waveguide: Design and analysis	SPIE - The International Society for Optical Engineering	International	September-18	9781510620094	Department of Applied Physics, Delhi Technological University	SPIE
18	Dalal R., Kalra Y., Kumar A.	Enhancement of Purcell factor in all-dielectric dimer	SPIE - The International Society for Optical Engineering	International	September-18	9781510620117	Department of Applied Physics, Delhi Technological University	SPIE
19	Bettiol L., De La Torre A., Patel D., Oluwafemi F., Kamaletdinova G., Singh R.K., Heshani U., Lakmal Y., Rivolta A., Sorokin A.	Manned mars mission risks evaluation	International Astronautical Congress, IAC	International	October-18	741795	Department of Electronics and Communication Engineering, Delhi Technological University	International Astronautical Federation, IAF
20	Kumar N., Pali H.S., Bansal S.	Some studies on NO _x reduction from a diesel engine using stabilized emulsion	International Mechanical Engineering Congress and Exposition	International	January-19	9780791852071	Department of Mechanical and Production Engineering, Delhi Technological University	American Society of Mechanical Engineers (ASME)

S. No.	Anauthors Name	Title of the Paper	Name of the conference	National/ International	Publication Month and Year	ISBN/ISSN number of the proceeding	Department Name	Name of the publisher
21	Gaur D., Ayyar M., Singh A.K., Shah R.R.	Multilingual author profiling from SMS	CEUR Workshop Proceedings	National	September-18	16130073	Department of Civil Engineering, Delhi Technological University,	CEUR-WS
22	Pathak A.K., Choudhary H., Shah R.R.	NMT based Tamil translation	CEUR Workshop Proceedings	National	October-18	16130073	Department of Applied Mathematics, Delhi Technological University	CEUR-WS
23	Palodiya V., Raghuvver L.V.S., Pareek P., Kishor K.	Design and analysis of negative curvature hollow-core fibers for future generation communication	SPIE - The International Society for Optical Engineering	International	September-18	9781510620810	Department of Applied Physics, Delhi Technological University	SPIE
24	Chaudhary P., Rizwan M.	Grid Integration Control Algorithm for SPV Based Power System	International Electrical Engineering Congress (IEECON 2018)	International	May-19	9781538623176	Department of Electrical Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
25	Narula A., Verma V.	PV Fed Cascaded Modified T Source Converter for DC Support to Grid Coupled Inverters	IEEE Power Electronics, Drives and Energy Systems (PEDES)	International	May-19	9781538693155	Department of Electrical Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
26	Raizada S., Verma V.	Modular Multi-Input-Isolated Voltage Multiplier Converter for PV fed DC Microgrid	IEEE Power Electronics, Drives and Energy Systems (PEDES)	International	May-19	9781538693155	Department of Electrical Engineering, Delhi Technological University, Delhi, India	Institute of Electrical and Electronics Engineers Inc.
27	Verma M., Sreejeth M., Singh M.	Performance Evaluation of Conventional and Electric powertrain	India International Conference on Power Electronics(IICPE)	International	May-19	9781538649961	Department of Electrical Engineering, Delhi Technological University	IEEE Computer Society
28	Jain L., Katarya R.	Identification of opinion leader in online social network using fuzzy trust system	International Advance Computing Conference (IACC 2018)	International	April-19	9781538666784	Department of Computer Science and Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.

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29	Beniwal R., Jain M., Aggarwal R., Rawat M.	Translating Sentences Using RDF Graphs	International Conference on Automation and Computational Engineering (ICACE 2018)	International	April-19	9781538654644	Department of Computer Science and Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
30	Mehta G., Yadav V.K.	Impact of Renewable Distributed Generators in Competitive Electricity Markets Considering Economic Factors	IEEE International Conference on Power Electronics, Drives and Energy Systems (PEDES 2018)	International	May-19	9781538693155	Department of Electrical Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
31	Verma N., Verma V.	Dynamically Converging Binary Search for PV-MPPT	IEEE International Conference on Power Electronics, Drives and Energy Systems (PEDES 2018)	International	May-19	9781538693155	Department of Electrical Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
32	Yadav G., Soni M., Joshi D.	Protocol for Smart grid for two-way communication	IEEE Power India International Conference (PIICON)	International	May-19	9781538673393	Department of Electrical Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
33	Yadav H.K., Pal Y., Tripathi M.M.	Short-Term PV Power Forecasting Using Adaptive Neuro-Fuzzy Inference System	IEEE Power India International Conference (PIICON)	International	May-19	9781538673393	Department of Electrical Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
34	Kumar V., Pal Y., Tripathi M.M.	SVM Tuned NARX Method for Wind speed power Prediction in Electricity Generation	IEEE Power India International Conference (PIICON)	International	May-19	9781538673393	Department of Electrical Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
35	Malhotra R., Meena S.	Design and Development of a Tool for Analyzing the Effect of Refactoring on Maintainability	International Conference on Reliability, Infocom Technologies and Optimization: Trends and Future Directions (ICRITO)	International	July-19	9781538646922	Department of Computer Science and Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.

S. No.	Authors Name	Title of the Paper	Name of the conference	National/ International	Publication Month and Year	ISBN/ISSN number of the proceeding	Department Name	Name of the publisher
36	Malhotra R., Lata K.	On the Application of Cross-Project Validation for Predicting Maintainability of Open Source Software using Machine Learning Techniques	International Conference on Reliability, Infocom Technologies and Optimization: Trends and Future Directions (ICRITO)	international	July-19	9781538646922	Department of Computer Science and Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
37	Gupta S., Ahuja G., Kumar G.	Identification of Optimum Locations for Charging of Electric Vehicles	International Conference on Reliability, Infocom Technologies and Optimization: Trends and Future Directions (ICRITO)	international	July-19	9781538646922	Department of Mechanical Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
38	Chauhan A., Malviya O.P., Verma M., Mor T.S.	Blockchain and Scalability	International Conference on Software Quality, Reliability, and Security Companion (QRS-C)	international	August-18	9781538678398	Department of Information Technology, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
39	Gagandeep, Singh M., Kumar R., Singh V., Chand F.	A theoretical study of perovskite material for solar cell application	AIP Conference Proceedings	National	August-18	9780735417229	Department of Applied Physics, Delhi Technological University	American Institute of Physics Inc.
40	Katarya R., Gangwar V., Jaisia I.	A Study on different data mining classifiers	International Conference on Computer Communication and Informatics (ICCCI)	International	August-18	9781538622384	Department of Information Technology, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
41	Saroha R., Panwar A.K., Bhardwaj A.	Synthesis and electrochemical properties of low-temperature synthesized Li ₂ MnO ₃ /MWCNT/super P as a high capacity cathode material for lithium ion batteries	AIP Conference Proceedings	National	August-18	9780735417250	Department of Applied Physics, Delhi Technological University	American Institute of Physics Inc.
42	Goyal P., Shankhwar N., Kalra Y.	Design of a cross structure nanoantenna	AIP Conference Proceedings	National	August-18	9780735417250	Department of Applied Physics, Delhi Technological University	American Institute of Physics Inc.

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43	Chauhan P., Kumar A., Kalra Y., Saini T.S.	Design and analysis of photonic crystal fiber in Ga-Sb-S chalcogenide glass for nonlinear applications	AIP Conference Proceedings	National	August-18	9780735417250	Department of Applied Physics, Delhi Technological University	American Institute of Physics Inc.
44	Sangwan V., Sharma A., Kumar M., Singh A.	An improved high payload steganography mechanism using hybrid edge detector	International Conference on Micro-Electronics and Telecommunication Engineering (ICMETE)	International	June-19	9781538669181	Department of Electronics and Communication Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
45	Singh S., Jatin, Pandey N., Pandey R.	Precision capacitance multiplier with low power and high multiplication factor	International Conference on Signal Processing and Integrated Networks (SPIN)	International	September-18	9781538630457	Department of Electronics and Communication Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
46	Rustagi S., Tuteja T., Sharma V., Gangwar V., Parihar A.S.	Comparative Study of Various Image Enhancement Techniques based on Retinex Theory and Fuzzy Logic	International Conference on Electronics, Communication and Aerospace Technology (ICECA)	International	October-18	9781538609651	Department of Information Technology, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
47	Bhatnagar R., Kumar M.	Visual Cryptography: A Literature Survey	International Conference on Electronics, Communication and Aerospace Technology (ICECA)	International	October-18	9781538609651	Department of Computer Science and Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
48	Kumar S.	Securing Data at rest using Hill Cipher and XOR based operations	International Conference on Electronics, Communication and Aerospace Technology (ICECA)	International	October-18	9781538609651	Department of Computer Science and Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
49	Bansal R., Majumdar S.	Parameter Estimation of Low Pass Filter Using Stochastic Modelling	International Conference on Signal Processing and Integrated Networks (SPIN)	International	September-18	9781538630457	Department of Electronics and Communication Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.

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50	Nand D., Pandey N., Pandey R., Jindal S.	Operational Floating Current Conveyor based Digitally Controlled Hearing Aid	International Conference on Signal Processing and Integrated Networks (SPIN)	International	September-18	9781538630457	Department of Electronics and Communication Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
51	Gautam J., Bhateja A.	A Novel Method for Direction and Deformation Independent Iris Localization	International Conference on Signal Processing and Integrated Networks (SPIN)	International	September-18	9781538630457	Department of Electronics and Communication Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
52	Grover V., Gosain V., Pandey N., Gupta K.	Arithmetic Logic Unit Using Diode Free Adiabatic Logic and Selection Unit for Adiabatic Logic Family	International Conference on Signal Processing and Integrated Networks (SPIN)	International	September-18	9781538630457	Department of Electronics and Communication Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
53	Kumar R., Sharma U., Jain D.P.	DMTL filter in Ku-band with improved slope of attenuation after cut-off	International Conference on Signal Processing and Integrated Networks (SPIN)	International	September-18	9781538630457	Department of Electronics and Communication Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
54	Kumar A., Chhabra A., Chaujar R.	GaAs Junctionless FinFET Using High-k Dielectric for High-Performance Applications	International Conference on Electronics and Nanotechnology (ELNANO)	International	September-18	9781538663837	Department of Electrical Engineering, Department of Applied Physics, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
55	Mor K., Trivedi A.	Adaptive Damping with Cross Derivative Controller for Stability in AC -Microgrid	National Power Engineering Conference (NPEC)	National	October-18	9781538638026	Department of Electrical Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
56	Chakraborty R., Hasija Y.	miDerma: An Integrated Database and Tool for Analysis of miRNAs associated with Dermatological Disorders	International Conference on Bioinformatics and Systems Biology (BSB)	International	July-19	9781538664346	Department of Biotechnology, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.

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57	Singh A., Niranjan V., Soni S., Kumar A.	Slew Rate Enhancement	International Conference on Advances in Computing, Communication Control and Networking (ICACCCN)	International	July-19	9781538641194	Department of Electronics and Communication Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
58	Narwal B.	Fake News in Digital Media	International Conference on Advances in Computing, Communication Control and Networking (ICACCCN)	International	July-19	9781538641194	Department of IT, Indira Gandhi Delhi Technical University for Women, Delhi, India	Institute of Electrical and Electronics Engineers Inc.
59	Mittal M.K., Kirar N., Meena J.	Implementation of Search Engine Optimization : Through White Hat Techniques	International Conference on Advances in Computing, Communication Control and Networking (ICACCCN)	International	July-19	9781538641194	Department of Information Technology, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
60	Agarwal S., Singh N.K., Meel P.	Single-Document Summarization Using Sentence Embeddings and K-Means Clustering	International Conference on Advances in Computing, Communication Control and Networking (ICACCCN)	International	July-19	9781538641194	Department of Computer Science, Department of Information Technology, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
61	Kirar N., Mittal M.K., Meena J.	A Survey on Adaptive Cloudlet Placement Methods for Mobile Applications in Wireless Metropolitan Area Networks	International Conference on Advances in Computing, Communication Control and Networking (ICACCCN)	International	July-19	9781538641194	Department of Information Technology, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
62	Kaninika, Tayal A.	Determination of Parkinson's disease utilizing Machine Learning Methods	International Conference on Advances in Computing, Communication Control and Networking (ICACCCN)	International	July-19	9781538641194	Department of Electronics and Communication, Indira Gandhi Delhi Technical University for Women, New Delhi, India	Institute of Electrical and Electronics Engineers Inc.

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63	Anand K., Tayal A.	Noise in Functional Magnetic Resonance Imaging	International Conference on Advances in Computing, Communication Control and Networking (ICACCCN)	International	July-19	9781538641194	Department of Electronics and Communication, Indira Gandhi Delhi Technical University for Women, Delhi, India	Institute of Electrical and Electronics Engineers Inc.
64	Rani N., Niranjana V.	Transconductance boosting of OTA	International Conference on Advances in Computing, Communication Control and Networking (ICACCCN)	International	July-19	9781538641194	Department of Electronics and Communication Engineering, Indira Gandhi Delhi Technical University for Women, NewDelhi, India	Institute of Electrical and Electronics Engineers Inc.
65	Kumar A., Verma S., Mangla H.	A Survey of Deep Learning Techniques in Speech Recognition	International Conference on Advances in Computing, Communication Control and Networking (ICACCCN)	International	July-19	9781538641194	Department of Computer Science and Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
66	Raj U., Mishra S.K., Bhatia C., Varadwaj P.K., Harit G.	A Comprehensive Knowledgebase on Cancer Epigenetics	International Conference on Bioinformatics and Systems Biology (BSB)	International	July-19	9781538664346	Department of Biotechnology, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
67	Yadav M., Jamil M., Rizwan M.	Accomplishing Approximately Zero Energy Buildings with Battery Storage Using FLANN Optimization	International Conference on Advances in Computing, Communication Control and Networking (ICACCCN)	International	July-19	9781538641194	Department of Electrical Engineering, Delhi Technical University, New Delhi, India	Institute of Electrical and Electronics Engineers Inc.

S. No.	Authors Name	Title of the Paper	Name of the conference	National/ International	Publication Month and Year	ISBN/ISSN number of the proceeding	Department Name	Name of the publisher
68	Gupta M., Gupta K., Pandey N.	A 32-nm Sub-Threshold 9T SRAM Bitcell with Improved Read and Write performance	International Conference on Advances in Computing, Communication Control and Networking (ICACCCN)	International	July-19	9781538641194	Dept. of Electronics and Communication, Bharati Vidyapeeths College of Engineering, New Delhi, India; Dept. of Electronics and Communication, Delhi Technological University, New Delhi, India	Institute of Electrical and Electronics Engineers Inc.
69	Katarya R., Arora Y.	A Survey of Recommendation Systems in Twitter	International Conference on Computational intelligence and communication technology (CICT-2018)	International	October-18	9781538608869	Department of Information Technology, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
70	Khan S., Imran Khan M., Haleem A., Shuaib M.	Selection of Traceable Technology in Food Supply Chain	Materials Science and Engineering	International	August-18	17578981	Department of Mechanical Engineering, Delhi Technological University	Institute of Physics Publishing
71	Johri J., Pillai J., Shakya M.	Tongue Operated Integrated System	IEEE India Council International Conference (INDICON 2017)	International	October-18	9781538643181	Electronics and Communication Department, Indira Gandhi Delhi Technical University for Women, Delhi, India	Institute of Electrical and Electronics Engineers Inc.
72	Katarya R., Jain C.	Multilayered Risk analysis of Mobile systems and Apps	International Conference on Computing Methodologies and Communication (ICCMC 2018)	International	October-18	9781538634523	Department of Information Technology, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
73	Beniwal R., Gupta V., Rawat M., Aggarwal R.	Data Mining with Linked Data: Past, Present, and Future	International Conference on Computing Methodologies and Communication (ICCMC 2018)	International	October-18	9781538634523	Department of Computer Science and Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.

S. No.	Authors Name	Title of the Paper	Name of the conference	National/ International	Publication Month and Year	ISBN/ISSN number of the proceeding	Department Name	Name of the publisher
74	Kumar S., Pandey S., Gupta R.	Evaluation and Customization of Community Detection Algorithms in Large Social Networks	International Conference on Computing Methodologies and Communication (ICCMC 2018)	International	October-18	9781538634523	Department of Computer Science and Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
75	Joshi R., Raghuvanshi A., Gilhotra Y., Sharma S., Sharma S., Dalmia P., Pandey N.	An FPGA based floating point Gauss-Seidel iterative solver	IEEE India Council International Conference (INDICON 2017)	International	October-18	9781538643181	Department of Electronics and Communication Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
76	Kumar N., Jahangir A., Hoque I.	Modeling of Stand-Alone Three-phase Inverter for Various Loads using Space Vector Pulse Width Modulation	IEEE India Council International Conference (INDICON 2017)	International	October-18	9781538643181	Department of Electrical Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
77	Parashar A., Aggarwal G., Dang R., Dalmia P., Pandey N.	Fast Combinational Architecture for a Vedic Divider	IEEE India Council International Conference (INDICON 2017)	International	October-18	9781538643181	Department of Electronics and Communication Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
78	Bharali J., Garg N.	Efficient Ride Quality and Road Holding Improvement for Active Suspension System	IEEE India Council International Conference (INDICON 2017)	International	October-18	9781538643181	Department of Electrical Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
79	Devanshu A., Sinah M., Kumar N.	Predictive Current Control of Feedback Linearized Induction Motor Drive	International Conference on Intelligent Transportation Engineering (ICITE 2018)	International	October-18	9781538678312	Department of Electrical Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
80	Bhagat J., Gupta P., Kohli N.	Image Steganography Using Improved Algorithms to Enhance Security and Payload of Traditional LSB Substitution	International Conference on Computing, Communication and Networking Technologies (ICCCNT 2018)	International	October-18	9781538644300	Department of Information Technology, Indira Gandhi Delhi Technical University for Women, Kashmere Gate, Delhi, New Delhi, 110006, India	Institute of Electrical and Electronics Engineers Inc.

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81	Verma A., Wadhwa A., Singh N., Beniwal S., Kaushal R., Kumaraguru P.	Followee management: Helping users follow the right users on online social media	International Conference on Advances in Social Networks Analysis and Mining (ASONAM 2018)	International	October-18	9781538660515	Department of Information Technology, Indira Gandhi Delhi Technical University for Women, Delhi, India; Precog Research Group, Indraprastha Institute of Information Technology, Delhi, India	Institute of Electrical and Electronics Engineers Inc.
82	Kaur R., Madan J., Sharma R., Pandey R., Chaujar R.	Capacitive Analysis of Hetero Material Gate PNIN-DG-TFET over Diverge Temperature Range for Superior RF/ Microwave Performance	2018 IEEE Electron Device Kolkata Conference (2018 IEEE EDKCON)	International	November-18	9781538664155	Department of Applied Physics, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
83	Madan J., Kaur R., Sharma R., Pandey R., Chaujar R.	Electrical Characteristics Assessment of Gate Metal and Source Pocket Engineered DG-TFET for Low Power Analog Applications	2018 IEEE Electron Device Kolkata Conference (2018 IEEE EDKCON)	International	November-18	9781538664155	Department of Applied Physics, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
84	Arora N., Pandey R., Sharma R., Madan J., Chaujar R.	Parametric Variation of ZnSe/TiO ₂ Electron Transport Layer Based Perovskite Solar Cell: A Simulation Study and Optimization	2018 IEEE Electron Device Kolkata Conference (2018 IEEE EDKCON)	International	November-18	9781538664155	Department of Applied Physics, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
85	Odun-Ayo I., Ajayi O., Akanle B., Ahuja R.	An overview of data storage in cloud computing	International Conference on Next Generation Computing and Information Systems (ICNGCIS'17)	International	November-18	9781538642054	Department of Electronics and Communication Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.

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86	Madan J., Pandey R., Arora H., Chaujar R.	Analysis of Varied Dielectrics as Surface Passivation on AlGaIn/GaN HEMT for Analog Applications	International Conference on Wireless Networks and Embedded Systems (WECON 2018)	International	November-18	9781538670507	Department of Applied Physics, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
87	Singla A., Pandey R., Sharma R., Madan J., Singh K., Yadav V.K., Chaujar R.	Numerical Simulation of CeOx ETL based Perovskite Solar Cell:-An Optimization Study for High Efficiency and Stability	IEEE Electron Device Kolkata Conference (2018 IEEE EDKCON)	International	November-18	9781538664155	Department of Electrical Engineering, Department of Applied Physics, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
88	Parihar A.S.	Fuzzy Black Hole Entropy Based Clustering	International Conference on Computational Intelligence and Computing Research (ICCIC 2017)	International	November-18	9781509066209	Department of Information Technology, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
89	Singh T., Vishwakarma D.K.	A Hybrid Neuro-Wavelet Based Pre-Processing Technique for Data Representation	International Conference on Computational Intelligence and Computing Research (ICCIC 2017)	International	November-18	9781509066209	Department of Electronics and Communication Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
90	Katarya R., Prasad T.	A Survey on Time Series Online Sequential Learning Algorithms	International Conference on Computational Intelligence and Computing Research (ICCIC 2017)	International	November-18	9781509066209	Department of Information Technology, Department of Applied Mathematics, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
91	Parihar A.S.	Gaussian Mixture Model Based Adaptive Gamma Correction	International Conference on Computational Intelligence and Computing Research (ICCIC 2017)	International	November-18	9781509066209	Department of Information Technology, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.

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92	Dhiman C., Vishwakarma D.K.	High Dimensional Abnormal Human Activity Recognition Using Histogram Oriented Gradients and Zernike Moments	International Conference on Computational Intelligence and Computing Research (ICCIC 2017)	International	November-18	9781509066209	Department of Electronics and Communication Engineering, Delhi Technological University, Delhi, 110042, India	Institute of Electrical and Electronics Engineers Inc.
93	Chauhan H.R., Rastogi V., Agarwal A.K.	Macro-mechanical Analysis on the Variation of Fibre Orientation in a Composite UAV Landing Gear	Materials Science and Engineering	International	November-18	17578981	Department of Mechanical Engineering, Delhi Technological University	Institute of Physics Publishing
94	Sachdev J., Shekhar S., Indu S.	Melanoma Screening Using Deep Neural Networks	International Conference for Convergence in Technology (I2CT 2018)	International	November-18	9781538642733	Department of Computer Science and Engineering, Department of Electronics and Communication Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
95	Chhabra A., Kumar A., Chaujar R.	GaAs Junctionless FinFET Using Si ₃ N ₄ Spacer for High Performance Analog Application	International Conference On Advances in Communication and Computing Technology (ICACCT 2018)	International	November-18	9781538609262	Department of Electrical Engineering, Department of Applied Physics, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
96	Suryakant, Sreejeth M., Singh M.	Performance Analysis of PMSM Drive using Hysteresis Current Controller and PWM Current Controller	IEEE International Students' Conference on Electrical, Electronics and Computer Science (SCEECS 2018)	International	November-18	9781538626634	Department of Electrical Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
97	Malhotra R., Rajpal A., Rathore D.	Parameter Tuning on Software Defect Prediction Using Differential Evolution & Simulated Annealing	International Conference on Big Data and Artificial Intelligence (BDAI 2018)	International	November-18	9781538661369	Department of Computer Science and Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.

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98	Gupta S., Pandey R., Khatri T., Chaujar R.	A moisture stable, hysteresis-free semi-transparent perovskite solar cell with single wall carbon nanotubes	IEEE 7th World Conference on Photovoltaic Energy Conversion (WCPEC 2018)	International	November-18	9781538685297	Department of Applied Physics, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
99	Madan J., Karwal K., Chaujar R.	Performance Analysis of Heterojunction DMDG-TFET with Different Source Materials for Analog Application	International Conference on Trends in Electronics and Informatics (ICOEI 2018)	International	November-18	9781538635704	Department of Applied Physics, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
100	Madan J., Bisht S.S., Chaujar R.	Heterojunction DG-TFET-Analysis of Different Source Material for Improved Intermodulation	International Conference on Trends in Electronics and Informatics (ICOEI 2018)	International	November-18	9781538635704	Department of Applied Physics, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
101	Kumar A., Rajpal A., Rathore D.	Genre Classification using Word Embeddings and Deep Learning	International Conference on Advances in Computing, Communications and Informatics (ICACCI 2018)	International	November-18	9781538653142	Department of Computer Science and Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
102	Kaur J., Reddy S.R.N.	SFrame: Design Development of Smart Framework to Port Linux Kernel on ARM based Raspberry Pi	International Conference on Advances in Computing, Communications and Informatics (ICACCI 2018)	International	November-18	9781538653142	Department of CSE, Indira Gandhi Delhi Technical University for Women, Delhi, India	Institute of Electrical and Electronics Engineers Inc.
103	Alzubi J., Nayyar A., Kumar A.	Machine Learning from Theory to Algorithms: An Overview	Journal of Physics: Conference Series	National	November-18	17426588	Department of Computer Science and Engineering, Delhi Technological University	Institute of Physics
104	Bansal M., Gandhi B.	IoT based development boards for smart healthcare applications	International Conference on Computing Communication and Automation (ICCCA 2018)	International	June-19	9781538669471	Department of Electronics and Communication Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.

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105	Susan S., Manzasiyam, Zespal S., Sharma N., Malhotra S.	Single-keyword based document segregation using logistic regression regularized by bacterial foraging	International Conference on Computing Communication and Automation (ICCCA 2018)	International	June-19	9781538669471	Department of Information Technology, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
106	Susan S., Tandon S., Seth S., Mudassir M.T., Chaudhary R., Baisoya N.	Kullback-leibler divergence based marker detection in augmented reality	International Conference on Computing Communication and Automation (ICCCA 2018)	International	June-19	9781538669471	Department of Information Technology, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
107	Agrawal A., Singh R.K.	Ruffle: Extracting co-change information from software project repositories	International Conference on Smart Systems and Inventive Technology (ICSSIT 2018)	International	June-19	9781538658734	Information Technology, Indira Gandhi Delhi Technical University for Women, New Delhi, India	Institute of Electrical and Electronics Engineers Inc.
108	Gupta P., Sharma A., Jindal R.	An approach for optimizing the performance for apache spark applications	International Conference on Computing Communication and Automation (ICCCA 2018)	International	July-19	9781538669471	Department of Computer Science and Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
109	Khurana M., Gulati A., Singh S.	Sentiment analysis framework of twitter data using classification	International Conference on Parallel, Distributed and Grid Computing (PDGC 2018)	International	June-19	9781538660263	Department of Electrical Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
110	Saini P., Garg D., Choudhury T.	3D Printing: Factors Influencing its Quality and Nature	International Conference on Computational Techniques, Electronics and Mechanical Systems (CTEMS 2018)	International	July-19	9781538677094	Indira Gandhi Delhi Technical University for Women, New Delhi, Delhi, India; Amity University, Noida, Uttar Pradesh, India; Dept. of Informatics, School of Computer Science, University of Petroleum Energy Studies (UPES), Dehradun, India	Institute of Electrical and Electronics Engineers Inc.

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111	Peesapati R., Yadav V.K., Kumar N.	Optimal Congestion Management Strategy by probabilistic distributed generators with losses and voltage stabilities	National Power Systems Conference (NPSC 2018)	National	July-19	9781538661598	Department of Electrical Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
112	Sisodia A., Jindal R.	Exploring the Application of Big Data Analysis in Healthcare Sector	International Conference on Computational Science and Computational Intelligence (CSCI 2017)	International	December-18	9781538626528	Department of Computer Science and Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
113	Sethia D., Gupta D., Saran H., Dabas H., Nagar P.	Selective IoT Access with Scalable CP-ABE Revocation and Delegation	International Conference on Computational Science and Computational Intelligence (CSCI 2017)	International	December-18	9781538626528	Department of Computer Science and Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
114	Dabas H., Sethi C., Dua C., Dalawat M., Sethia D.	Emotion classification using EEG signals	IEEE Access	International	December-18	9781450366069	Department of Computer Science and Engineering, Delhi Technological University	Association for Computing Machinery
115	Sethi C., Dabas H., Dua C., Dalawat M., Sethia D.	EEG-based attention feedback to improve focus in e-learning	IEEE Access	International	December-18	9781450366069	Department of Computer Science and Engineering, Delhi Technological University	Association for Computing Machinery
116	Kumar A., Rajpal A., Rathore D.	Genre Classification using Feature Extraction and Deep Learning Techniques	International Conference on Knowledge and Systems Engineering (KSE 2018)	International	December-18	9781538661130	Department of Computer Science and Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
117	Parihar A.S., Bhagyanidhi	A Study on Sentiment Analysis of Product Reviews	International Conference on Soft-Computing and Network Security (ICSNS 2018)	International	December-18	9781538645529	Department of Information Technology, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.

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118	Dhiman C., Vishwakarma D.K.	A Hybrid Multimodal Tracking System for boarder surveillance	International Conference on Soft-Computing and Network Security (ICSNS 2018)	International	December-18	9781538645529	Department of Electronics and Communication Engineering, Department of Information Technology, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
119	Rathi D., Jain S., Indu S.	Underwater Fish Species Classification using Convolutional Neural Network and Deep Learning	International Conference on Advances in Pattern Recognition (ICAPR 2017)	International	December-18	9781538622414	Department of Computer Science and Engineering, Department of Electronics and Communication, Delhi Technological University,	Institute of Electrical and Electronics Engineers Inc.
120	Sethi R., Indu S.	Local Enhancement of SLIC Segmented Underwater Images using Gray World based Algorithm	International Conference on Advances in Pattern Recognition (ICAPR 2017)	International	December-18	9781538622414	Department of Information Technology, Department of Electronics and Communication Engineering, Delhi Technological University,	Institute of Electrical and Electronics Engineers Inc.
121	Kumar S., Katyal S.	Effective Analysis and Diagnosis of Liver Disorder by Data Mining	International Conference on Inventive Research in Computing Applications (ICIRCA 2018)	International	December-18	9781538624562	Department of Computer Science and Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
122	Kumar S., Kumar M.	A Study on the Image Detection Using Convolution Neural Networks and TensorFlow	International Conference on Inventive Research in Computing Applications (ICIRCA 2018)	International	December-18	9781538624562	Department of Computer Science and Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.

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123	Mishra N., Mittal P., Kumar B.	Performance Analysis of Different Bootstrap Inverter Configurations using Dual Gate OTFT	IEEE Uttar Pradesh Section International Conference on Electrical, Electronics and Computer Engineering (UPCON)	International	December-18	9781538650028	Department of Electronics and Communication Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
124	Negi Y.S., Mitta P., Kumar B., Bhatia A.	Detection of Ovarian Cancer using Organic Light Emitting Diodes	IEEE Uttar Pradesh Section International Conference on Electrical, Electronics and Computer Engineering (UPCON)	International	December-18	9781538650028	Department of Electronics and Communication Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
125	Singh Rathod A.P., Mittal P., Kumar B., Jain A.B.	Significance of Pass Transistor Logic in Organic Electronic Circuits	IEEE Uttar Pradesh Section International Conference on Electrical, Electronics and Computer Engineering (UPCON)	International	December-18	9781538650028	Department of Electronics and Communication Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
126	Saini M., Susan S.	Data Augmentation of Minority Class with Transfer Learning for Classification of Imbalanced Breast Cancer Dataset Using Inception-V3	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	National	July-19	9783030313319	Department of Information Technology, Delhi Technological University	Springer
127	Meena J., Chauhan A., Hasija Y.	Deciphering the Association of Single Amino Acid Variations with Dermatological Diseases Applying Machine Learning Techniques	International Conference on Advanced Informatics for Computing Research (ICAICR 2019)	International	June-19	9789811501074	Department of Biotechnology, Delhi Technological University	Springer

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128	Sharma U., Sharma S.C.	Investigating the effect of different carrier gases on plasma-assisted multi-walled carbon nanotube growth	EPS Conference on Plasma Physics (EPS 2019)	National	July-19		Department of Applied Physics, Delhi Technological University	European Physical Society (EPS)
129	Kashyap V., Bhattacharjee S.	Computational Analysis of Flap Camber and Ground Clearance in Double-Element Inverted Airfoils	SAE Technical Papers	International	June-19	1487191	Department of Mechanical Engineering, Delhi Technological University	SAE International
130	Jain M., Beniwal R., Ghosh A., Grover T., Tyagi U.	Classifying Question Papers with Bloom's Taxonomy Using Machine Learning Techniques	International Conference on Advances in Computing and Data Sciences (ICACDS 2019)	International	July-19	9789811399411	Department of Computer Science and Engineering, Delhi Technological University	Springer Verlag
131	Saini M., Susan S.	Comparison of Deep Learning, Data Augmentation and Bag-of-Visual-Words for Classification of Imbalanced Image Datasets	International Conference on Advances in Computing and Data Sciences (ICACDS 2019)	International	July-19	9789811391804	Department of Computer Science and Engineering, Delhi Technological University	Springer Verlag
132	Singh R., Bhushan B.	Adaptive Neuro-Fuzzy-PID and Fuzzy-PID-Based Controller Design for Helicopter System	Applications of Computing, Automation and Wireless Systems in Electrical Engineering	International	June-19	9789811367717	Department of Electrical Engineering, Delhi Technological University	Springer Verlag
133	Joshi D., Sharma S.	PV Emulator Modeling and Design Using Buck Converter	Lecture Notes in Electrical Engineering	International	June-19	9789811367717	Department of Electrical Engineering, Delhi Technological University	Springer Verlag
134	Vashishtha S., Susan S.	Fuzzy logic based dynamic plotting of mood swings from tweets	International Conference on Innovations in Bio-Inspired Computing and Applications (IBICA 2018)	International	May-19	9783030166809	Department of Information Technology, Delhi Technological University	Springer Verlag

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135	Bansal N., Sharma A., Singh R.K.	A Review on the Application of Deep Learning in Legal Domain	IFIP International Conference on Artificial Intelligence Applications and Innovations (AIAI 2019)	International	May-19	9783030198220	Indira Gandhi Delhi Technical University for Women, Delhi, India	Springer New York LLC
136	Bhowmik A., Kumar S., Bhat N.	Eye disease prediction from optical coherence tomography images with transfer learning	IFIP International Conference on Artificial Intelligence Applications and Innovations (AIAI 2019)	International	May-19	9783030202569	Department of Computer Science and Engineering, Delhi Technological University	Springer Verlag
137	Kumar S., Kumar M.	Predicting customer churn using artificial neural network	International Conference on Engineering Applications of Neural Networks (EANN 2019)	International	May-19	9783030202569	Department of Computer Science and Engineering, Delhi Technological University	Springer Verlag
138	Singh T., Vishwakarma D.K.	Human activity recognition in video benchmarks: A survey	Advances in Signal Processing and Communication	International	November-18	9789811325526	Department of Information Technology, Department of Electronics & Communication Engineering, Delhi Technological University	Springer Verlag
139	Susan S., Ranjan R., Taluja U., Rai S., Agarwal P.	Neural Net Optimization by Weight-Entropy Monitoring	Advances in Intelligent Systems and Computing	International	September-18	9789811311345	Department of Information Technology, Delhi Technological University	Springer Verlag
140	Susan S., Mittal M., Bansal S., Agrawal P.	Dynamic Texture Recognition from Multi-offset Temporal Intensity Co-occurrence Matrices with Local Pattern Matching	Advances in Intelligent Systems and Computing	International	September-18	9789811311345	Department of Information Technology, Delhi Technological University	Springer Verlag
141	Yadav M., Sharma S.C., Gupta D.N.	Plasma bubble evolution related electron beam parameter estimation in laser wakefield acceleration	EPS Conference on Plasma Physics (EPS 2019)	International	July-19		Department of Applied Physics, Delhi Technological University	European Physical Society (EPS)

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142	Sharma Y., Ghosh R.R., Jaiswal M., Dhawan A.	Modelling and fabrication of novel SERS sensor chips for chemical and biological sensing applications	SPIE - The International Society for Optical Engineering	International	April-19	9781510627222	Department of Electronics and Communication Engineering, Delhi Technological University	SPIE
143	Sharma Y., Jaiswal M., Ghosh R., Dhawan A.	Hydrogen sensors based on plasmonic nanostructures present on palladium films	SPIE - The International Society for Optical Engineering	International	April-19	9781510627222	Department of Electronics and Communication Engineering, Delhi Technological University	SPIE
144	Khulbe M., Kumar S.	Role of nonlinear optics in big data transmission and next generation computing technologies	International Conference On Cloud Computing, Data Science and Engineering, Confluence 2019	International	July-19	9781538659335	Department of Computer Science and Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
145	Jain G., Lobiyal D.K.	Word sense disambiguation of Hindi text using fuzzified semantic relations and fuzzy Hindi WordNet	International Conference On Cloud Computing, Data Science and Engineering, Confluence 2019	International	January-19	9781538659335	Department of Applied Mathematics, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
146	Jaiswal S., Gupta D.	Security Validation of Cloud Based Storage	International Conference on Advances in Computing and Data Sciences (ICACDS 2019)	International	July-19	9789811399411	Department of Computer Science and Engineering, Delhi Technological University	Springer Verlag
147	Rajput V., Jayanthi N., Indu S.	An Efficient Character Segmentation Algorithm for Connected Handwritten Documents	International Conference on Advances in Computing and Data Sciences (ICACDS 2019)	National	July-19	9789811393600	Department of Electronics and Communication Engineering, Delhi Technological University	Springer Verlag
148	Odun-Ayo I., Geteloma V., Eweoya I., Ahuja R.	Virtualization, Containerization, Composition, and Orchestration of Cloud Computing Services	International Conference on Computational Science and Its Applications (ICCSA 2019)	International	June-19	9783030243043	Department of Computer Science and Engineering, Delhi Technological University	Springer Verlag

S. No.	Authors Name	Title of the Paper	Name of the conference	National/ International	Publication Month and Year	ISBN/ISSN number of the proceeding	Department Name	Name of the publisher
149	Garg L., Shukla P., Singh S.K., Bajpai V., Yadav U.	Land use land cover classification from satellite imagery using mUnet: A modified UNET architecture	International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications (VISIGRAPP 2019)	International	February-19	9789897583544	Department of Electrical Engineering, Department of Electronics and Communication Engineering, Delhi Technological University	SciTePress
150	Sharma Y., Ghosh R.R., Sapra V., Jalal V., Ahmed K., Dhawan A.	Plasmonic switches based on arrays of plasmonic nanostructures surrounded by VO2 thin films	SPIE - The International Society for Optical Engineering	International	February-19	9781510624948	Department of Electronics and Communication Engineering, Delhi Technological University	SPIE
151	Bahar T., Singh O., Yadav V.	Optimal Planning Strategies of DG in Distribution Systems	Applications of Computing, Automation and Wireless Systems in Electrical Engineering	International	June-19	9789811367717	Department of Electrical Engineering, Delhi Technological University	Springer Verlag
152	Pachar N., Jha P.C., Gupta A.	DEA-cross efficiency approach for peer assessment of retail stores' efficiency	International Journal of Production Research	International	March-19	21698767	University School of Management and Entrepreneurship, Delhi Technological University	IEOM Society
153	Sonal, Reddy S.R.N., Kumar D.	DCHD-3T: Early Diagnosis of Congenital Heart Diseases in WBAN-Cloud Using Three-Tier Network Architecture—an Efficient Solution	Applications of Computing, Automation and Wireless Systems in Electrical Engineering	International	June-19	9789811367717	Indira Gandhi Delhi Technical University for Women, New Delhi, India; Dr. Ram Manohar Lohia Hospital and Post Graduate Institute of Medical Education and Research, New Delhi, India	Springer Verlag
154	Gupta S., Kumar N., Srivastava L.	Bat Search Algorithm for Solving Multi-objective Optimal Power Flow Problem	Applications of Computing, Automation and Wireless Systems in Electrical Engineering	International	June-19	9789811367717	Department of Electrical Engineering, Delhi Technological University	Springer Verlag

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155	Tomar D., Tomar P., Kaur G.	Deep Learning in Big Data and Internet of Things	International Conference on Information, Communication and Computing Technology (ICICCT 2018)	International	January-19	9789811359910	Department of Electronics and Communication Engineering, Delhi Technological University	Springer Verlag
156	Jain V., Randheer, Priyadarshi R., Thakur A.	Performance Analysis of Block Matching Algorithms	International Conference on Microelectronics, Computing and Communication Systems	International	May-19	9789811370908	Electronics & Communication Engineering Department, Delhi Technological University, Delhi, India; Electronics & Communication Engineering Department, National Institute of Technology, Hamirpur, HP, India	Springer Verlag
157	Varma A.K., Lahiri D.	Selection of optimum sensors for cooperative sensing in cognitive radio	Information and Communication Technology for Intelligent Systems	International	December-18	9789811317460	Department of Electronics and Communication Engineering, Delhi Technological University	Springer Science and Business Media Deutschland GmbH
158	Rathee N., Chillar R.S., Vij S., Kukreja S.	Automatic optimization of test path using firefly algorithm	Harmony Search and Nature Inspired Optimization Algorithms	International	August-18	9789811307607	Indira Gandhi Delhi Technical University, Kashmere Gate, New Delhi, India; Department of Computer Science and Application, M.D.U, Rohtak, Haryana, India	Springer Verlag
159	Anshu, Sharma S.C., Sharma J.	Lower hybrid waves excitation by a relativistic electron beam in a magnetized dusty plasma: Kinetic theory	EPS Conference on Plasma Physics (EPS 2019)	International	July-19		Department of Applied Physics, Delhi Technological University	European Physical Society (EPS)

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160	Singh P., Malhotra R., Bansal S.	Analyzing the effectiveness of machine learning algorithms for determining faulty classes: A comparative analysis	International Conference On Cloud Computing, Data Science and Engineering, Confluence 2019	International	July-19	9781538659335	Department of Computer Science and Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
161	Gupta V., Chatteraj A., Banarjee A., Bhattacharya B.	Wave propagation in auxetic mechanical metamaterial: Bloch formalism for various boundary conditions	SPIE - The International Society for Optical Engineering	International	March-19	9781510625891	Department of Mechanical Engineering, Delhi Technological University	SPIE
162	Mian S., Goswami M., Mostow J.	What's most broken? Design and evaluation of a tool to guide improvement of an intelligent tutor	International Conference on Artificial Intelligence in Education (AIED 2019)	International	June-19	9783030232030	Department of Computer Science and Engineering, Delhi Technological University	Springer Verlag
163	Malhotra R., Sharma A.	An Empirical Study to Classify Website Using Thresholds from Data Characteristics	Ambient Communications and Computer Systems	International	March-19	9789811359330	Department of Computer Science and Engineering, Delhi Technological University	Springer Verlag
164	Goyal T., Walia R.S., Sidhu T.S.	Investigation on multiple parametric optimization of cold sprayed coatings process	Materials Science and Technology 2018, MS and T 2018	International	October-18	0873397681; 9780873397681	Department of Mechanical Engineering, Delhi Technological University	Association for Iron and Steel Technology, AISTECH
165	Kaur G., Dhamania M., Tomar P., Singh P.	Efficient integration of high-order models using an FDTD-TDMA method for error minimization	International Conference on Communications and Cyber Physical Engineering 2018 (ICCCE 2018)	International	September-18	9789811302114	Department of Electronics and Communication Engineering, Delhi technological University	Springer Verlag
166	Badoni M., Singh A., Singh B.	Implementation of immune feedback control algorithm for distribution static compensator	IEEE Transactions on Industry Applications	National	February-19	939994	Department of Electrical Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.

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167	Modi K.S., Kaur J., Singh S.P., Tiwari U., Sinha R.K.	Split-arc-based metasurface for refractive index sensing applications	SPIE - The International Society for Optical Engineering	International	March-19	9781510624986	Department of Applied Physics, Delhi Technological University	SPIE
168	Rahul M., Shukla R., Yadav D.K., Yadav V.	Zernike Moment-Based Facial Expression Recognition Using Two-Stage Hidden Markov Model	Advances in Computer Communication and Computational Sciences	International	May-19	9789811368608	Department of Information Technology, Delhi Technological University	Springer Verlag
169	Katyal S., Kumar S., Sakhuja R., Gupta S.	Object detection in foggy conditions by fusion of saliency map and YOLO	International Conference on Sensing Technology (ICST 2019)	International	January-19	9781538651476	Department of Computer Science and Engineering, Delhi Technological University	IEEE Computer Society
170	Chauhan M.S., Singh A., Khemka M., Prateek A., Sen R.	Embedded CNN based vehicle classification and counting in non-laned road traffic	International Conference on Information and Communication Technologies and Development (ICTD 2019)	International	January-19	9781450361224	Department of Computer Science and Engineering, Delhi Technological University	Association for Computing Machinery
171	Kumar Y., Sharma A., Khaund A., Kumar A., Kumaraguru P., Shah R.R., Zimmermann R.	IceBreaker: Solving cold start problem for video recommendation engines	International Symposium on Multimedia (ISM 2018)	International	January-19	9781538668573	Department of Electronics & Communication Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
172	Garg S., Afzulpurkar S., Kumar A.	Adaptive Biased Random Walk Algorithm for Ocean Chemical Feature Tracking using an Autonomous Underwater Vehicle	OCEANS 2018 MTS/IEEE Charleston	International	January-19	9781538648148	Department of Applied Physics, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.

S. No.	Anauthors Name	Title of the Paper	Name of the conference	National/ International	Publication Month and Year	ISBN/ISSN number of the proceeding	Department Name	Name of the publisher
173	Raizada S., Verma V.	Step Up Gain Converter with fast MPPT control under moving partial shading for train rooftop PV-DC- μ G	International Conference on Electrical Systems for Aircraft, Railway, Ship Propulsion and Road Vehicles and International Transportation Electrification Conference, ESARS (ITEC 2018)	International	January-19	9781538641927	Department of Electrical Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
174	Kumar G., Varghese J.P.	Optimum Preventive Maintenance Policy for a Mechanical System Using Semi-markov Method and Golden Section Technique	International Conference on Industrial Engineering and Engineering Management	International	January-19	9781538667866	Department of Mechanical and Production Engineering, Delhi Technological University	IEEE Computer Society
175	Dahiya S., Sharma R.	Comparative Study of Popular Cryptographic Techniques	World Conference on Smart Trends in Systems, Security and Sustainability (WorldS4 2018)	International	January-19	9781538672808	Department of Computer Science and Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
176	Sengupta J.	Instantaneous Driver Safety Assistance and Rear Wheel Maneuvering System Based on Computer Vision	SAE Technical Papers	International	January-19	1487191	Delhi Technological University	SAE International
177	Rajora S., Vishwakarma D.K., Singh K., Prasad M.	CSgl: A Deep Learning based approach for Marijuana Leaves Strain Classification	Annual Information Technology, Electronics and Mobile Communication Conference (IEMCON 2018)	International	January-19	9781538672662	Department of Information Technology, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
178	Cheng Q., Mehta S., Schürer S.	A Gene Family-led Meta-Analysis of Drug-Target Interactions	International Conference on Bioinformatics and Biomedicine (BIBM 2018)	International	January-19	9781538654880	Department of Applied Chemistry, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.

S. No.	Authors Name	Title of the Paper	Name of the conference	National/ International	Publication Month and Year	ISBN/ISSN number of the proceeding	Department Name	Name of the publisher
179	Pandey R., Pandey N.	OTRA based log and antilog amplifiers	International Midwest Symposium on Circuits and Systems (MWSCAS)	International	January-19	9781538673928	Department of Electronics and Communication Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
180	Bhatia V., Pandey N., Prasanthi S.R.	Design of an SCL logic based current comparator	International Midwest Symposium on Circuits and Systems (MWSCAS)	International	January-19	9781538673928	Department of Electronics and Communication Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
181	Pal R., Pandey R., Tiwari R.C.	Single CDDBA based grounded negative Inductor	International Midwest Symposium on Circuits and Systems (MWSCAS)	International	January-19	9781538673928	Department of Electronics and Communication Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
182	Raizada S., Verma V.	Isolated high gain multi-input converter fed floating PV system for DC microgrid	International Conference on Industry Applications (INDUSCON)	International	January-19	9781538679951	Department of Electrical Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
183	Bhavan A., Aggarwal S.	Stacked Generalization with Wrapper-Based Feature Selection for Human Activity Recognition	IEEE Symposium Series on Computational Intelligence (SSCI 2018)	International	January-19	9781538692769	Department of Mathematics, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
184	Qararyah F., Daraghmi Y.-A., Daraghmi E., Rajora S., Lin C.-T., Prasad M.	A Time Efficient Model for Region of Interest Extraction in Real Time Traffic Signs Recognition System	IEEE Symposium Series on Computational Intelligence (SSCI 2018)	International	January-19	9781538692769	Department of Information Technology, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
185	Rajora S., Li D.-L., Jha C., Bharill N., Patel O.P., Joshi S., Puthal D., Prasad M.	A Comparative Study of Machine Learning Techniques for Credit Card Fraud Detection Based on Time Variance	IEEE Symposium Series on Computational Intelligence (SSCI 2018)	International	January-19	9781538692769	Department of Information Technology, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.

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186	Prasad M., Rajora S., Gupta D., Daraghmi Y.-A., Daraghmi E., Yadav P., Tiwari P., Saxena A.	Fusion based En-FEC Transfer Learning Approach for Automobile Parts Recognition System	IEEE Symposium Series on Computational Intelligence (SSCI 2018)	International	January-19	9781538692769	Department of Information Technology, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
187	Mohapatra S.	Segmentation using support vector machines	International Conference on Advanced Computational and Communication Paradigms (ICACCP 2019)	International	February-19	9781538679890	Department of Electrical Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
188	Narula A., Verma V.	Dual Port Impedance Converter for PV - Battery fed Remote Telecom Towers	Southern Power Electronics Conference (SPEC 2018)	International	February-19	9781538682579	Department of Electrical Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
189	Yadav A., Sahay A., Yadav M.R., Bhandari S., Yadav A., Sahay K.B.	One hour Ahead Short-Term Electricity Price Forecasting Using ANN Algorithms	Conference on the Industrial and Commercial Use of Energy (ICUE)	International	February-19	9789748257990	Department of Electrical Engineering, Delhi Technological University	IEEE Computer Society
190	Kumar A., Singh S., Tiwari B., Chaujar R.	Temperature Reliability of Junctionless Twin Gate Recessed Channel (JL-TGRC) MOSFET with Different Gate Material for Low Power Digital-Logic Applications	IEEE Region Annual International Conference	International	February-19	9781538654576	Department of Electrical Engineering, Department of Applied Physics, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
191	Katarya R., Arora Y.	Study on Text Classification using Capsule Networks	International Conference on Advanced Computing and Communication Systems (ICACCS 2019)	International	June-19	9781538695333	Department of Computer Science and Engineering, Department of Information Technology, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.

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192	Katarya R., Gautam D.	Survey on Opinion Leader in Social Network using Data Mining	International Conference on Advanced Computing and Communication Systems (ICACCS 2019)	International	June-19	9781538695333	Department of Computer Science and Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
193	Lal S., Duggal S., Sreedevi I.	Online video summarization: Predicting future to better summarize present	IEEE Winter Conference on Applications of Computer Vision (WACV 2019)	International	March-19	9781728119755	Department of Computer Science and Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
194	Singhal S., Rawat B., Gupta H.O.	Comprehensive Evaluation of Renewable and Conventional Electric Utility of India under Noncooperative and Cooperative Environment	International Conference on Energy, Power and Environment: Towards Smart Technology (ICEPE 2018)	International	March-19	9781538647691	Dept of Electrical Engineering, Shiv Nadar University, Gautam Budh Nagar, India; Dept of Electronics and Communication, Indira Gandhi Delhi Technical University, Delhi, India; Jaypee Institute of Information Technology, Noida, India	Institute of Electrical and Electronics Engineers Inc.
195	Bansal M., Jyoti	A review of low noise amplifier for 2.4GHz frequency band	International Conference on Innovations in Control, Communication and Information Systems (ICICCI 2017)	International	March-19	9781538639405	Department of Electronics and Communication Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
196	Aditi, Bansal M.	A High Linearity and Moderate Gain LNA for Receiver Front-End Applications in 2.4GHz ISM Band	International Conference on Innovations in Control, Communication and Information Systems (ICICCI 2017)	International	March-19	9781538639405	Department of Electronics and Communication Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.

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197	Gahlaut S., Seeja K.R.	IoT based smart campus	International Conference on Innovations in Control, Communication and Information Systems (ICICCI 2017)	International	March-19	9781538639405		Institute of Electrical and Electronics Engineers Inc.
198	Bansal M., Jyoti	A review of various applications of low noise amplifier	International Conference on Innovations in Control, Communication and Information Systems (ICICCI 2017)	International	March-19	9781538639405	Department of Electronics and Communication Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
199	Gupta R., Kumar A.	An Intelligent Information Retrieval System for Finding Contextual Information on Twitter	International Conference on Innovations in Control, Communication and Information Systems (ICICCI 2017)	International	March-19	9781538639405	Department of Computer Science and Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
200	Raghav N., Bansal M.	Analysis of Power Efficient 6-T SRAM Cell with Performance Measurements	International Conference on Innovations in Control, Communication and Information Systems (ICICCI 2017)	International	March-19	9781538639405	Department of Electronics and Communication Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
201	Rathee N., Joshi N., Kaur J.	Sentiment Analysis Using Machine Learning Techniques on Python	International Conference on Intelligent Computing and Control Systems (ICICCS 2018)	International	March-19	9781538628423	Department of Computer Science and Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
202	Gupta G., Katarya R.	A Study of Recommender Systems Using Markov Decision Process	International Conference on Intelligent Computing and Control Systems (ICICCS 2018)	International	March-19	9781538628423	Department of Computer Science and Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.

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203	Kumar M., Joshi N., Kumar D.	Augmentation in UCON Access Control Model for E-Healthcare Domain	International Conference on Intelligent Computing and Control Systems (ICICCS 2018)	International	March-19	9781538628423	Department of Computer Science and Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
204	Singh M., Sreejeth M., Devanshu A.	Comparative Performance Analysis of IVCIM Drive using different Gain values of PI and Band values of Hysteresis Band Controller	International Conference on Power Energy, Environment and Intelligent Control (PEEIC 2018)	International	March-19	9781538623411	Department of Electrical Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
205	Thakran S., Singh J., Garg R., Mahajan P.	Implementation of PO Algorithm for MPPT in SPV System	International Conference on Power Energy, Environment and Intelligent Control (PEEIC 2018)	International	March-19	9781538623411	Department of Electrical Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
206	Singh J., Mahajan P., Garg R.	Techno-Economic Analysis of Different Lighting Schemes: A Case Study	International Conference on Power Energy, Environment and Intelligent Control (PEEIC 2018)	International	March-19	9781538623411	Department of Electrical Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
207	Jain V., Kumar V., Nagarajan S.T.	Laboratory Scale Long Transmission Line SCADA	International Conference on Power Energy, Environment and Intelligent Control (PEEIC 2018)	International	March-19	9781538623411	Department of Electrical Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
208	Yadav A.S., Yadav V.K., Choudhary S.	Power Enhancement from Solar PV Array Topologies under Partial Shading Condition	International Conference on Power Energy, Environment and Intelligent Control (PEEIC 2018)	International	March-19	9781538623411	Department of Electrical Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
209	Jindal R., Shweta	A novel method for efficient multi-label text categorization of research articles	International Conference on Computing, Power and Communication Technologies (GUCON 2018)	International	March-19	9781538644911	Department of Computer Science and Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.

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210	Singh D., Trivedi E., Sharma Y., Niranjan V.	TurtleBot: Design and hardware component selection	International Conference on Computing, Power and Communication Technologies (GUCON 2018)	International	March-19	9781538644911	Department of Electronics and Communication Engineering, Indira Gandhi Delhi Technical University for Women, New Delhi, India	Institute of Electrical and Electronics Engineers Inc.
211	Sharma I., Mandal D., Hasija Y.	Big data and hadoop in biology: Introduction, implementation and applications	International Conference on Computing, Power and Communication Technologies (GUCON 2018)	International	March-19	9781538644911	Department of Biotechnology, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
212	Ganotra S., Niranjan V.	Frequency compensation analysis for two stage amplifier	International Conference on Computing, Power and Communication Technologies (GUCON 2018)	International	March-19	9781538644911	Dept. of Electronics and Comm. Engineering, Indira Gandhi Delhi Technical University for Women, New Delhi, India	Institute of Electrical and Electronics Engineers Inc.
213	Rustogi B., Bhatia V.	Algorithmic current-mode ADC using CMOS inverter based current comparator	International Conference on Computing, Power and Communication Technologies (GUCON 2018)	International	March-19	9781538644911	Department of ECE, Indira Gandhi Delhi Technical University for Women, New Delhi, 110006, India	Institute of Electrical and Electronics Engineers Inc.
214	Mehta G., Yadav V.K.	Design of photovoltaic and fuel cells based distributed generation system: Entire system survey	International Conference on Computing, Power and Communication Technologies (GUCON 2018)	International	March-19	9781538644911	Department of Electrical Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.

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215	Rawat B., Gupta K., Goel N.	Low voltage 7T SRAM cell in 32nm CMOS technology node	International Conference on Computing, Power and Communication Technologies (GUCON 2018)	International	March-19	9781538644911	Dept. of Electronics and Communication, Indira Gandhi Delhi Technical University for Women, New Delhi, India; Dept. of Electronics and Communication, Bharati Vidyapeeth's College of Engineering, New Delhi, India	Institute of Electrical and Electronics Engineers Inc.
216	Sivaram R., Gupta K., Pandey N.	New improved low power triple tail cell with controlled current source	International Conference on Computing, Power and Communication Technologies (GUCON 2018)	International	March-19	9781538644911	Department of Electronics and Communication Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
217	Khatter P., Pandey N., Gupta K.	An arithmetic and logical unit using reversible gates	International Conference on Computing, Power and Communication Technologies (GUCON 2018)	International	March-19	9781538644911	Department of Electronics and Communication Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
218	Mehta G., Mitra G., Yadav V.K.	Application of IoT to optimize data center operations	International Conference on Computing, Power and Communication Technologies (GUCON 2018)	International	March-19	9781538644911	Department of Electrical Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
219	Arora S., Baliyan N.	Extraction and Analysis of Information in News Domain Using Semantic Web	International Conference on Internet of Things: Smart Innovation and Usages (IoT-SIU 2019)	International	July-19	9781728112534	Information Technology Department, Indira Gandhi Delhi Technical University for Women, Delhi, India	Institute of Electrical and Electronics Engineers Inc.
220	Rahul, Dahiya H., Singh D.	A Review of Trends and Techniques in Recommender Systems	International Conference on Internet of Things: Smart Innovation and Usages (IoT-SIU 2019)	International	July-19	9781728112534	Department of Computer Science and Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.

S. No.	Authors Name	Title of the Paper	Name of the conference	National/ International	Publication Month and Year	ISBN/ISSN number of the proceeding	Department Name	Name of the publisher
221	Kumar A., Bansal A.	Software Fault Proneness Prediction Using Genetic Based Machine Learning Techniques	International Conference on Internet of Things: Smart Innovation and Usages (IoT-SIU 2019)	International	July-19	9781728112534	Department of Computer Science and Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
222	Vii S., Tayal D., Jain A.	A Fuzzy WordNet graph based approach to find key terms for students short answer evaluation	International Conference on Internet of Things: Smart Innovation and Usages (IoT-SIU 2019)	International	July-19	9781728112534	Department of Computer Science Engineering, Indira Gandhi Delhi Technical University for Women, Kashmere Gate, Delhi, India; Department of CSE, Ambedkar Institute of Advanced Communication Technologies Research, Geeta Colony, Delhi, India	Institute of Electrical and Electronics Engineers Inc.
223	Singh N., Malik A., Maini O., Rajput G.	Identification of Influence Propagation Metrics in Social Networks	International Conference on Automation, Computational and Technology Management (ICACTM 2019)	International	July-19	9781538680100	Department of Electrical Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
224	Kumar N., Jain S., Bagla A., Sharma S., Tomar M.	Study of performance and emission characteristics of propan-2-ol and gasoline fuel blends in an unmodified spark ignition engine	SAE Technical Papers	International	April-19	1487191	Department of Mechanical Engineering, Delhi Technological University	SAE International
225	Mukhopadhyay S., Malhotra A., Tomar M., Choudhary N., Kumar N.	Experimental investigations of metal oxide nano-additives on working characteristics of CI engine	SAE Technical Papers	International	April-19	1487191	Department of Mechanical Engineering, Delhi Technological University	SAE International

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226	Sinha S.K., Kumar N.	Utilization of blends of biodiesel and higher alcohols in a small capacity diesel engine	SAE Technical Papers	International	April-19	1487191	Department of Mechanical Engineering, Delhi Technological University	SAE International
227	Butola R., Malhotra A., Yadav M., Singari R., Murtaza Q., Chandra P.	Experimental studies on mechanical properties of metal matrix composites reinforced with natural fibres ashes	SAE Technical Papers	International	April-19	1487191	Department of Mechanical Engineering, Delhi Technological University	SAE International
228	Paul S., Jain D., Brella R., Kumar N.	Design and modelling of single cylinder 4 stroke gasoline engine crankshaft	SAE Technical Papers	International	April-19	1487191	Department of Mechanical Engineering, Delhi Technological University	SAE International
229	Malhotra A., Yadav M., Tomar M., Jain S., Kumar N.	Effect of using exhaust gas recirculation (EGR) on the emission characteristics of the CI engine fuelled by acetone-butanol-ethanol (ABE) diesel blends	SAE Technical Papers	International	April-19	1487191	Department of Mechanical and Production Engineering, Delhi Technological University, India	SAE International
230	Goyal A., Kumar N.	Some experimental studies on the use of tyre pyrolysis oil (TPO) in an agricultural diesel engine	SAE Technical Papers	International	April-19	1487191	Department of Mechanical and Production Engineering, Delhi Technological University, India	SAE International
231	Sharma V.K., Singh R.C., Chaudhary R.	Experimental study of sliding wear behavior of the casted lead bronze journal bearing material	SAE Technical Papers	International	April-19	1487191	Department of Mechanical and Production Engineering, Delhi Technological University	SAE International

S. No.	Authors Name	Title of the Paper	Name of the conference	National/ International	Publication Month and Year	ISBN/ISSN number of the proceeding	Department Name	Name of the publisher
232	Garg P., Awasthi S., Jain P.	A Survey of Microwave Bandpass Filter Using Coupled Line Resonator -Research Design and Development	International Conference on Sustainable Energy, Electronics and coMputing System (SEEMS 2018)	International	April-19	9781538658666	Department of Electronics and Communication, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
233	Dahiya P., Jain P.	Efficient Recursive Algorithm for Discrete Cosine Transform and Inverse Discrete Cosine Transform	International Conference on Sustainable Energy, Electronics and coMputing System (SEEMS 2018)	International	April-19	9781538658666	Department of Electronic and Communication Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
234	Nagpal A., Agrawal B., Kumar R., Saini H.S., Kashyap M.K., Singh M.	Effect of disorders on half-metallic ferromagnetism in Cr ₂ CoAl inverse Heusler alloy	AIP Conference Proceedings	National	April-19	9780735418233	Department of Applied Physics, Delhi Technological University	American Institute of Physics Inc.
235	Agrawal B., Nagpal A., Kumar R., Saini H.S., Kashyap M.K., Singh M.	Study of FeCrSn _{1-x} Ga _x Heusler alloys: Tuning Fermi level to attain half-metallic ferromagnetism	AIP Conference Proceedings	National	April-19	9780735418233	Department of Applied Physics, Delhi Technological University	American Institute of Physics Inc.
236	Gagandeep, Singh M., Kumar R., Chand F.	A theoretical modeling of the Cu(In, Ga)Se ₂ solar cell	AIP Conference Proceedings	National	April-19	9780735418233	Department of Applied Physics, Delhi Technological University	American Institute of Physics Inc.
237	Poonam, Saini H.S., Thakur J., Pundir A.K., Singh M., Kashyap M.K.	Structural, electronic and magnetic properties of Ti-doped MgSe diluted magnetic semiconductor compound	AIP Conference Proceedings	National	April-19	9780735418233	Department of Applied Physics, Delhi Technological University	American Institute of Physics Inc.
238	Nisha, Saini H.S., Kashyap M.K., Thakur J., Singh M.	First-principles study on electronic, mechanical and thermoelectric transport properties of topological insulator NaAuS	AIP Conference Proceedings	National	April-19	9780735418233	Department of Applied Physics, Delhi Technological University	American Institute of Physics Inc.

S. No.	Authors Name	Title of the Paper	Name of the conference	National/ International	Publication Month and Year	ISBN/ISSN number of the proceeding	Department Name	Name of the publisher
239	Kumar A., Arora A.	A Filter-Wrapper based Feature Selection for Optimized Website Quality Prediction	Amity International Conference on Artificial Intelligence (AICAI 2019)	International	April-19	9781538693469	Department of Computer Science and Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
240	Sekhri E., Tamre M., Kapoor R.	Optimal Q-learning approach for tuning the cavity filters	International Conference on Research and Education in Mechatronics (REM 2019)	International	June-19	9781538692578	Department of Electronics and Communication Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
241	Kumar A., Gupta N., Tripathi M.M., Chaujar R.	Non-Quasi-Static Small-Signal Modeling of TGRM MOSFET in Parameter Perspective for RF/Microwave Applications	International Conference on Modern Circuits and Systems Technologies (MOCAS 2019)	International	June-19	9781728111841	Department of Electrical Engineering, Department of Applied Physics, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
242	Sagar, Vishwakarma D.K.	A State-of-the-Arts and Prospective in Neural Style Transfer	International Conference on Signal Processing and Integrated Networks (SPIN 2019)	International	May-19	9781728113791	Department of Information System, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
243	Chhabra K., Singhal S., Pandey N.	Realisation of CBTA Based Current Mode Frequency Agile Filter	International Conference on Signal Processing and Integrated Networks (SPIN 2019)	International	May-19	9781728113791	Department of Electronics and Communication Engineering, Department of Electrical Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
244	Jaiswal S., Vishwakarma D.K.	State-of-the-Arts Person Re-Identification Using Deep Learning	International Conference on Signal Processing and Integrated Networks (SPIN 2019)	International	May-19	9781728113791	Department of Information Technology, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
245	Malhotra N., Mann A., Pandey N.	Design of Low Power ECRL Based Power Gated 4:2 Compressor	International Conference on Signal Processing and Integrated Networks (SPIN 2019)	International	May-19	9781728113791	Department of Electronics and Communication, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.

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246	Bansal M., Jyoti	Low Noise Amplifier in Smart Healthcare Applications	International Conference on Signal Processing and Integrated Networks (SPIN 2019)	International	May-19	9781728113791	Department of Electronics and Communication Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
247	Meel P., Goswami A.	Inverse Document Frequency-Weighted Word2Vec Model to Recommend Apparels	International Conference on Signal Processing and Integrated Networks (SPIN 2019)	International	May-19	9781728113791	Department of Information Technology, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
248	Nagar P., Sethia D.	Brain Mapping Based Stress Identification Using Portable EEG Based Device	International Conference on Communication Systems and Networks (COMSNETS 2019)	International	May-19	9781538679029	Department of Computer Science and Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
249	Saxena G., Jain P., Awasthi Y.K.	High Isolation EBG Based MIMO Antenna for X-Band Applications	International Conference on Signal Processing and Integrated Networks (SPIN 2019)	International	May-19	9781728113791	Department of Electronics and Communication Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
250	Mehta R., Kapoor N., Sourav S., Shorey R.	Decentralised Image Sharing and Copyright Protection using Blockchain and Perceptual Hashes	International Conference on Communication Systems and Networks (COMSNETS 2019)	International	May-19	9781538679029	Department of Electrical Engineering, Delhi Technological University	Institute of Electrical and Electronics Engineers Inc.
251	Gopika B., Rashi Y.	Predicting the spread of malware outbreaks using autoencoder based neural network	Mendel	International	June-19	18033814	Department of Information Technology, Indira Gandhi Delhi Technical University for Women, India	Brno University of Technology
252	Gagandeep, Singh M., Kumar R.	Simulation of perovskite solar cell with graphene as hole transporting material	AIP Conference Proceedings	National	July-19	9780735418516	Department of Applied Physics, Delhi Technological University	American Institute of Physics Inc.

S. No.	Authors Name	Title of the Paper	Name of the conference	National/ International	Publication Month and Year	ISBN/ISSN number of the proceeding	Department Name	Name of the publisher
253	Sen S., Kathyal V., Bhattacharya S., Pitale S., Gadkari S.C.	Indigenously developed alpha particle detector using ZnS nanostructure	AIP Conference Proceedings	National	July-19	9780735418516	Technical Physics Division, BARC, Mumbai, 400085, India; Delhi Technological University, Delhi, India; Homi Bhabha National Institute, Mumbai, 400094, India	American Institute of Physics Inc.
254	Poonam, Pundir A.K., Singh M., Thakur J., Kashyap M.K., Saini H.S.	First-principles investigation of half metallic ferromagnetism in Ti-doped MgTe binary alloy via modified Becke-Johnson potential	AIP Conference Proceedings	National	July-19	9780735418516	Department of Applied Physics, Delhi Technological University	American Institute of Physics Inc.
255	Saini H.S., Poonam, Pundir A.K., Singh M., Thakur J., Kashyap M.K.	Prediction of half metallicity in Ti-doped BeSe: A spintronics material	AIP Conference Proceedings	National	July-19	9780735418516	Department of Applied Physics, Delhi Technological University	American Institute of Physics Inc.
256	Sen P.K., Veeravalli S.V., Vijaya Kumar T., Hegde S.	Algebraic growth in turbulent shear flows	AIP Conference Proceedings	National	July-19	9780735418615	Department of Civil Engineering, Delhi Technological University	American Institute of Physics Inc.
257	Vasudevan P., Sen P.K., Srivastava R.K., Tandon M., Hegde S., Vijaya Kumar T., Davies P.	Ecosystem services by wetlands for polluted water treatment	AIP Conference Proceedings	National	July-19	9780735418615	Indian Institute of Technology, Delhi, India; G. B. Pant University of Agriculture and Technology, Pantnagar, India; Delhi Technological University, Delhi, India; Birmingham University, United Kingdom	American Institute of Physics Inc.
258	Temesgen Hailu, Rajinder K. Gupta, Archana Rani	A Herb Used In The Unani System Of Medicine For Broad Spectrum Therapeutical Applications	International conference on advanced production and industrial engineering, October 5-6, 2018.	International	January-19		DTU	

S. No.	Authors Name	Title of the Paper	Name of the conference	National/ International	Publication Month and Year	ISBN/ISSN number of the proceeding	Department Name	Name of the publisher
259	Anil Kumar	Metal Citrates: Efficient porous materials for Industrial effluent water	2nd International conference on Sustainable technologies for environmental management (STEM-2019)	International	March-19		DTU	
260	Anil Kumar	Hydrogel: Metal Ion Sensor	3 rd International Conference on Advanced Production and Industrial Engineering (ICAPIE'18)	International	October-18		DTU	
261	H.C. Taneja and Ritu Goel	On Cummulative Inaccuracy	International Conference on APAM 2018, DTU Delhi, 23-25 Oct, 2018	International	October-18		DTU	
262	Mr Sanyam Gupta and Prof L.N.Das	A Simplex algorithm applied investment decision supporting variable optimal value evaluation process.	International Conference on Applied and Computational Mathematics ICACM 2018, at Department of Mathematics, Indian Institute of Technology, Kharagpur,	International	November-18		DTU	
263	Prof L N Das and Mr Sanyam Gupta	Electrical power system Transmission quality and power supply microgrid control functional Reliability	9th International conference of Quality, Reliability, Infocom Technology and Business Operation (trends and future directions) at conference center University of Delhi.	International	December-18		DTU	
264	Dr. Nilam	Role of Controller Algorithm in Management of Diabetes	International Conference on Recent Advances in Pure and Applied Mathematics	International	October-18		DTU	

S. No.	Authors Name	Title of the Paper	Name of the conference	National/ International	Publication Month and Year	ISBN/ISSN number of the proceeding	Department Name	Name of the publisher
265	Dr. Nilam	A Nonlinear Model with Ratio-Dependent Incidence Rate and Nonlinear Treatment Rate to Control the H1N1	International Conference on Recent Advances in Pure and Applied Mathematics	International	October-18		DTU	
266	Jain G., Lobiyal D.K.	Word Sense Disambiguation of Hindi text using Fuzzy Semantic Relations and Fuzzy Hindi WordNet	International Conference on Cloud Computing, Data Science & Engineering (Confluence)	International	July-19	978-1-5386-5933-5	Department of Applied Mathematics, Delhi Technological University	IEEE
267	Jain G., Lobiyal D.K.	Epidemic Spreading Based Word Sense Disambiguation of Hindi Text	International Conference on Communication and Computing Systems (ICCCS 2018)	International	December-18		Department of Applied Mathematics, Delhi Technological University	
268	Kumar S, Chauhan P, Kumar A	Design and analysis of a cross V-shaped nanoantenna for visible region	Laser Science, Optical Society of America-2018	International	September-18	978-1-943580-46-0	Department of Applied Physics, Delhi Technological University	
269	Kumar R, Chauhan P, Kumar A	Slow light generation in decagonal liquid core photonic crystal fiber	Laser Science, Optical Society of America-2018	International	September-18	978-1-943580-46-0	Department of Applied Physics, Delhi Technological University	
270	Goyal P, Shankhwar N, Kalra Y	Design and analysis of a hollow bowtie nanoantenna	SPIE OPTICS & PHOTONICS-2018	International	September-18		Department of Applied Physics, Delhi Technological University	
271	Shankhwar N, Kalra Y, Sinha R	Dielectric zero-index metamaterial filled photonic crystal defect waveguide: design and analysis	SPIE OPTICS & PHOTONICS-2018	International	September-18		Department of Applied Physics, Delhi Technological University	
272	Ranga R, Shankhwar N, Kalra Y	Design and Analysis of Broadband Square Spiral Shaped Nanoantenna	Optical Society of America, 2018	International	September-18	978-1-943580-46-0	Department of Applied Physics, Delhi Technological University	

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273	Shankhwar N , Kalra Y , Sinha R	Honeycomb photonic crystal as a zero index metamaterial	Laser Science. Optical Society of America, 2018	International	September-18	978-1-943580-46-0	Department of Applied Physics, Delhi Technological University	
274	Chakraborty R, Hasija Y	miDerma: An Integrated Database and Tool for Analysis of miRNAs associated with Dermatological Disorders.	International Conference on Bioinformatics and Systems Biology. October 26-28, 2018	International	July-19	978-1-5386-6434-6	Department of Bio-Technology, Delhi Technological University	IEEE
275	Venugopal V , Das A	Elucidating the mechanism of action of crocine, a Therapeutic Agent for Cancer and Inflammation	International Journal of Biotechnology and Biomedical sciences(IJBBS)	International	June-19		Department of Bio-Technology, Delhi Technological University	
276	Jain S.,Seeja K. R., Jindal R.	A new method for semantic similarity assessment using fuzzy formal concept analysis and fuzzy set similarity measure	ICRTA-2018, Guntur	international	November-18		Department of Computer Science and Engineering, Delhi Technological University	
277	Kumar A.,Sharma A.,Arora A.	Anxious Depression Prediction in Real-time Social Data	International conference on advances in Engineering, Science, Management & Technology, Elsevier SSRN	international	March-19		Department of Computer Science and Engineering, Delhi Technological University	
278	Sharma C., Jain M., Aggarwal A.	Keyword Extraction Using Graph Centrality and WordNet	Towards Extensible and Adaptable Methods in Computing	International	November-18	978-981-13-2348-5	Department of Computer Science and Engineering, Delhi Technological University	Springer, Singapore
279	Saluja V., Jain M., Yadav P.	L, M&A: An Algorithm for Music Lyrics Mining and Sentiment Analysis	International Conference on Computers and their Applications	International	March-19		Department of Computer Science and Engineering, Delhi Technological University	

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280	Nand D., Pandey N., Gangal A., Bhanoo V.	New Shadow filter Configurations using OFCC	International Conference on Signal Processing, VLSI and Communication Engineering	International	April-19	1556-5068	Department of Electronics and Communication Engineering, Delhi Technological University	
281	Preeti, Kumar D.	Performance Evaluation of Face Recognition System using various Distance Classifiers	International Conference on Computing Methodologies and Communication (ICCMC)	International	October-18	978-1-5386-3452-3		IEEE
282	Saxena G., Jain P., Awasthi Y.K.	High Isolation EBG MIMO Antenna for C-band Applications	International Conference on Signal Processing, VLSI and Communication Engineering (ICSPVCC-2019), March 28-30, 2019, Electronics and Communication Engineering Department DTU	International	March-19		DTU	
283	Garg P., Awasthi S., Jain P,	A Survey of Microwave Bandpass Filter Using Coupled Line Resonator - Research Design and Development	International Conference on Sustainable Energy, Electronics and Computing Systems (SEEMS-2018), India, 2018.	International	April-19	978-1-5386-5866-6	Department of Electronics and Communication Engineering, Delhi Technological University	IEEE
284	Sharma, Y., and Dhawan, A.	Hybrid SERS substrates for chemical and biological sensing	International Conference on Nanotechnology (IEEE-NANO)	International	January-19	978-1-5386-5336-4		IEEE
285	Raizada S., Verma V.	Coupled Inductor based Isolated Voltage Multiplier Converter	2018 IEEE 4th Southern Power Electronics Conference (SPEC), Singapore, Singapore, 2018, pp. 1-7.	International	February-19	978-1-5386-8257-9	Department of Electrical Engineering, Delhi Technological University	IEEE

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286	Raizada S., Verma V.	Isolated High Gain Multi-Input Converter fed Floating PV System for DC Microgrid	2018 13th IEEE International Conference on Industry Applications (INDUSCON), São Paulo, Brazil, 2018, pp. 312-318.	International	January-19	978-1-5386-7995-1	Department of Electrical Engineering, Delhi Technological University	IEEE
287	Raizada S., Verma V.	Step Up Gain Converter with fast MPPT control under moving partial shading for train rooftop PV-DC- μ g	International Conference on Electrical Systems for Aircraft, Railway, Ship Propulsion and Road Vehicles & International Transportation Electrification Conference (ESARS-ITEC), Nottingham, 2018, pp. 1-6.	International	January-19	978-1-5386-4192-7	Department of Electrical Engineering, Delhi Technological University	IEEE
288	Narula A., Verma V.	Dual Port Impedance Converter for PV – Battery fed Remote Telecom Towers	Southern Power Electronics Conference (SPEC)	International	February-19	978-1-5386-8257-9	Department of Electrical Engineering, Delhi Technological University	IEEE
289	Verma N., and Verma v.	Dynamically Converging Binary Search for PV-MPPT	International Conference on Power Electronics, Drives and Energy Systems (PEDES)	International	May-19	978-1-5386-9316-2	Department of Electrical Engineering, Delhi Technological University	IEEE
290	Kumar A., Tiwari B., Singh S., Tripathi M.M., Chaujar R.	Radiation Analysis of N-Channel TGRC-MOSFET: An X-Ray Dosimeter	IEEE Transactions on Electron Devices Year	International	November-18	1557-9646	Department of Electrical Engineering, Delhi Technological University	IEEE
291	Singh M., Sreejeth M., Devanshu A.	Comparative Performance Analysis of IVCIM Drive using different Gain values of PI and Band values of Hysteresis Band Controller	International Conference on Power Energy, Environment and Intelligent Control (ICPEEIC 2018)	International	March-19	978-1-5386-2341-1	Department of Electrical Engineering, Delhi Technological University	IEEE

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292	Thakran S., Singh J., Garg R., Mahajan P.	Implementation of P&O Algorithm for MPPT in SPV System	International Conference on Power Energy, Environment and Intelligent Control (PEEIC 2018)	International	March-19	978-1-5386-2341-1	Department of Electrical Engineering, Delhi Technological University	IEEE
293	Singh J., Mahajan P., Garg R.	Techno-Economic Analysis of Different Lighting Schemes: A Case Study	International Conference on Power Energy, Environment and Intelligent Control (PEEIC 2018)	International	March-19	978-1-5386-2341-1	Department of Electrical Engineering, Delhi Technological University	IEEE
294	Kumar S., Dhingra G., Kumar P.	Variable Transconductance Voltage Differencing Current Conveyor and its Application in Filter Design	New Generation of CAS (NGCAS 2018)	International	December-18	978-1-5386-7681-3	Department of Electrical Engineering, Delhi Technological University	IEEE
295	Devanshu A., Sinah M., Kumar N.	Predictive Current Control of Feedback Linearized Induction Motor Drive	International Conference on Intelligent Transportation Engineering (ICITE 2018)	International	October-18	978-1-5386-7831-2	Department of Electrical Engineering, Delhi Technological University	IEEE
296	Suryakant S., Sreejeth M., Singh M.	Performance Analysis of PMSM Drive using Hysteresis Current Controller and PWM Current Controller	IEEE International Students' Conference on Electrical, Electronics and Computer Science (SCEECS 2018)	International	November-18	978-1-5386-2663-4	Department of Electrical Engineering, Delhi Technological University	IEEE
297	Kumar S., Dhingra G., Kumar P.	Variable Transconductance Voltage Differencing Current Conveyor and its Application in Filter Design	New Generation of CAS (NGCAS 2018)	International	December-18	978-1-5386-7681-3	Department of Electrical Engineering, Delhi Technological University	IEEE

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298	Singh S.K., Bakshi K., Mandal A.	Artificial Rainfall & Sedimentation by water using Quadcopter for control of Suspended Sand and Dust	34th National Convention of Environmental Engineers and National Seminar on Environmental Pollution and Climate Change, The Institution of Engineers (India), Delhi State Centre, August 10-11, 2018	National	August-18		Department of Civil Engineering, Delhi Technological University	
299	Singh S.K., Singh P.	Constructed Wetland As A Green Technology For Waste Water Treatment	34th National Convention of Environmental Engineers and National Seminar on Environmental Pollution and Climate Change, The Institution of Engineers (India), Delhi State Centre	National	August-18		Department of Civil Engineering, Delhi Technological University	
300	Singh S.K., Sahai S.	Significance of atmospheric submicron particulate matter	34th National Convention of Environmental Engineers and National Seminar on Environmental Pollution and Climate Change, The Institution of Engineers (India), Delhi State Centre, August 10-11, 2018	National	August-18		Department of Civil Engineering, Delhi Technological University	
301	Singh S.K., Prabhakar V.	Simulation of Dispersion of pollutant in NCT of Delhi	34th National Convention of Environmental Engineers and National Seminar on Environmental Pollution and Climate Change, The Institution of Engineers (India), Delhi State Centre, August 10-11, 2018	National	August-18		Department of Civil Engineering, Delhi Technological University	

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302	Bansal S.,Singh S.K.	Sustainability Analysis of Transportation Corridors under construction in an Urban Environment	FIB Congress, Melbourne, Australia, pp. 592-593	International	October-18		Department of Civil Engineering, Delhi Technological University	
303	Gupta L., Raman R.S.,Habib G.	Chemical composition of Ambient PM2.5 and PM10 for an Industrial City, Ghaziabad	International Aerosol Conference (IAC) 2018, St. Louis, Missouri, USA, 2nd September – 7th September 2018.	International	September-18		Department of Civil Engineering, Department of Environmental Engineering Delhi Technological University	
304	Singh S.	Is Indian Universities ready to take a Lead in Managing Smart City?: A Study of Engineering Colleges at Delhi, India, workshop for the project on 'Building Research Collaboration with India and Kyrgyzstan to explore the role of universities in developing skills for smart cities	Glasgow University, United Kingdom	International	May-19		Department of Humanities, Delhi Technological University	Academia
305	Singh S. ,Peers S.	Where are the women in the Engineering Labour Market? A cross sectional Study	International Journal of Gender,	International	July-19		Department of Humanities, Delhi Technological University	International Journal of gender , science and information technology
306	Susan S.,Kumar A.	Hybrid of Intelligent Minority Oversampling and PSO-Based Intelligent Majority Undersampling for Learning from Imbalanced Datasets	International Conference on Intelligent Systems Design and Applications (ISDA 2018)	International	April-19	978-3-030-16660-1	Department of Information Technology, Delhi Technological University	Springer

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307	Susan S., Bhutani A.	Data Mining with Association Rules for Scheduling Open Elective Courses Using Optimization Algorithms	International Conference on Intelligent Systems Design and Applications (ISDA 2018)	International	April-19	978-3-030-16660-1	Department of Information Technology, Delhi Technological University	Springer
308	Meel P., Goswami A.	Inverse Document Frequency - Weighted Word2Vec model to recommend apparels	International Conference on Signal Processing and Integrated Networks (SPIN 2019)	International	May-19	978-1-7281-1380-7	Department of Information Technology, Delhi Technological University	IEEE
309	Rajora S., Vishwakarma D.K.	CSg: A Deep Learning based approach for Marijuana Leaves Strain Classification	Annual Information Technology, Electronics and Mobile Communication Conference (IEMCON)	International	January-19	978-1-5386-7266-2	Department of Information Technology, Delhi Technological University	IEEE
310	Aggrawal D., Bansal G., Anand A	Modeling Multi Generational Product Adoption based on Competition within & between Brands	Amity International Conference on Artificial Intelligence	International	February-19	978-1-5386-9346-9		IEEE
311	Agrawal P., Anand V., Tripathi S., Pandey S., Kumar S.	A Solution for Successful Routing in Low-Mid-Density Network Using Updated Azimuthal Protocol	International Conference on Innovative Computing and Communications	International	November-18	978-981-13-2324-9	Department of Computer Science & Engineering, Delhi Technological University	Springer
312	Malhotra R., Jain J.	Analysis of refactoring effect on software quality of object-oriented systems	International Conference on Innovative Computing and Communications	International	November-18	978-981-13-2354-6	Department of Computer Science & Engineering, Delhi Technological University	Springer
313	Kumar A., Sharma A.	Opinion mining of Saubhagya Yojna for digital India	International Conference on Innovative Computing and Communications	International	November-18	978-981-13-2354-6	Department of Computer Science & Engineering, Delhi Technological University	Springer

S. No.	Authors Name	Title of the Paper	Name of the conference	National/ International	Publication Month and Year	ISBN/ISSN number of the proceeding	Department Name	Name of the publisher
314	Rahul, Rajiv K., Tripathi M.M.	Long Short-Term Memory-Convolution Neural Network Based Hybrid Deep Learning Approach for Power Quality Events Classification	Innovations in Electronics and Communication Engineering	National	February-19	978-981-13-3765-9	Department of Electronics and Communications, Department of Electrical and Electronics, Delhi Technological University	Springer
315	Bhardwaj A., Ali P., Walia R.S., Murtaza Q., Pandey S.M.	Development of hybrid forms of abrasive flow machining process: A review	Advances in Industrial and Production Engineering	National	April-19	978-981-13-6412-9	Department of Mechanical Engineering, Delhi Technological University	Springer
316	Singh H., Arora B.B.	Effect of area ratio on flow separation in annular diffuser	Advances in Fluid and Thermal Engineering	National	April-19	978-981-13-6416-7	Department of Mechanical Engineering, Delhi Technological University	Springer
317	Khanchi A., Sandhu H., Singh M.K., Sehgal S.S., Bajaj B.	Identification and inquisition of thermoelectric generator unit for efficient waste heat recovery	Advances in Fluid and Thermal Engineering	National	April-19	978-981-13-6416-7	Department of Applied Physics, Delhi Technological University	Springer
318	Chawla S., Agrawal S., Singari R.M.	Integrated topsis-moora model for prioritization of new bike selection	Advances in Engineering Design	National	April-19	978-981-13-6469-3	Department of Mechanical Engineering, Delhi Technological University	Springer
319	Dharamveer, Samsher, Singh D.B., Singh A.K., Kumar N.	Solar distiller unit loaded with nanofluid—A short review	Advances in Interdisciplinary Engineering	National	June-19	978-981-13-6577-5	Department of Mechanical Engineering, Delhi Technological University	Springer
320	Jain S., Meena J.	Workflow Scheduling Algorithms in Cloud Computing: An Analysis, Analogy, and Provocations	Innovations in Computer Science and Engineering	National	June-19	978-981-13-7082-3	Department of Information Technology, Delhi Technological University	Springer

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TIMES TOP 140 Engineering Institute Rankings 2019

Optimal Media Solutions

Partnered with Market Xcel Data Matrix to conduct its sixth Engineering Institute 2019 survey to determine the top engineering institutes in India.

RANK	ENGINEERING INSTITUTES
1	IIT Kanpur
2	DELHI TECHNOLOGICAL UNIVERSITY, DELHI
3	SRM Institute of Science and Tech., Chennai
4	Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Chennai
5	National Institute of Technology Karnataka Surathkal, Mangalore
6	PSG College of Technology, Coimbatore
7	College of Engineering, Pune
8	BMS College of Engineering, Bangalore
9	Indian Institute of Technology (IIT), Bhubaneswar
10	Institute of Technology, Nirma University, Gujarat
11	Dy Patil Group: Ramrao Adik Institute of Technology, Navi Mumbai
12	Koneru Lakshmaiah Education Foundation, Guntur
13	Sathyabama Institute of Science and Technology, Chennai
14	NITTE Meenakshi Institute of Technology, Bengaluru
15	Institute of Engineering and Management, Kolkata
16	Faculty of Engineering & Technology, Manav Rachna International Institute of Research & Studies, Faridabad
17	Vishwakarma Institute of Technology, Pune
18	The National Institute of Engineering, Mysuru
19	MIT World Peace University, Pune
20	Amity School of Engineering & Technology, Gurugram



DELHI TECHNOLOGICAL UNIVERSITY



INDIA TODAY RANKING 2019

TOP 16 INDIA'S BEST TECHNICAL UNIVERSITIES

Over-all Rank 2019	Over-all Rank 2018	NAME OF UNIVERSITY	Govt/ Pvt	Intake Quality & Governance	Academic & Research Excellence	Infrastructure & Living Experience	Personal & Leadership Development	Career Progression & Placement	Objective Score	Perceptual Score	Overall Score
1	2	INDIAN INSTITUTE OF TECHNOLOGY, Delhi	G	208	250	175	150	217	1,000	1,000	2,000
2	1	INDIAN INSTITUTE OF TECHNOLOGY, Kharagpur	G	190.4	215.5	149.6	136.6	198.2	880.3	996.3	1,876.6
3	NP	INDIAN INSTITUTE OF TECHNOLOGY, Bombay	G	179.3	209.5	151.3	125.7	209.2	875	1,000	1,875
4	4	INDIAN INSTITUTE OF TECHNOLOGY, Guwahati	G	180.5	211.3	148.9	138.9	195.1	874.7	994.2	1,868.9
5	5	DELHI TECHNOLOGICAL UNIVERSITY, Delhi	G	167.7	178.1	147	114.1	178.7	785.6	962	1,747.6
6	8	INDIAN INSTITUTE OF TECHNOLOGY, Bhubaneswar	G	145.1	156.7	126.4	111.8	137.4	677.4	894.9	1,572.3
7	9	INDIAN INSTITUTE OF TECHNOLOGY, Visvesvaraya National Institute of Technology, Nagpur	G	153.5	164.9	121.1	91.8	138.4	669.7	818.1	1,487.8
8	10	NATIONAL INSTITUTE OF TECHNOLOGY, Silchar	G	129.2	159.5	117.6	85.4	110	601.1	778.6	1,379.7
9	NP	SCHOOL OF PLANNING & ARCHITECTURE, Bhopal	G	130	121.9	112.8	80.8	113.1	558.6	610.7	1,169.3
10	13	SCHOOL OF PLANNING & ARCHITECTURE, Vijaywada	G	113.8	102.4	108.2	69.5	120.4	514.3	616.5	1,130.8
11	NP	SIKKIM MANIPAL UNIVERSITY, GANGTOK, Gangtok	P	103.3	103.8	80.4	78.2	143.3	509	611.3	1,120.3
12	12	HINDUSTAN INSTITUTE OF TECHNOLOGY & SCIENCE (DEEMED TO BE UNIVERSITY), Chennai	P	123.4	123.5	123.3	98.2	96.9	565.3	551.3	1,116.6
13	15	GURU JAMBHESHWAR UNIVERSITY OF SCIENCE & TECH, Hisar, Haryana	P	120	114.3	113.8	107	111.2	566.3	544.9	1,111.2
14	17	JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, Solan, Himanchal Pradesh	P	130.3	84.1	109.7	81.8	73.9	479.8	534.1	1,013.9
15	16	MADAN MOHAN MALAVIYA UNIVERSITY OF TECHNOLOGY, Gorakhpur	G	98.4	104.8	111.9	107.1	97.7	519.9	483.2	1,003.1
16	18	VIGNAN'S FOUNDATION FOR SCIENCE, TECHNOLOGY & RESEARCH, Guntur, Andhra Pradesh	P	98.5	116.4	100.5	63.6	102.8	481.8	504.7	986.5
18			P	91.3	99.3	104.5	90	71.6	456.6	147	603.6

TOP 10 GOVERNMENT COLLEGES >>>

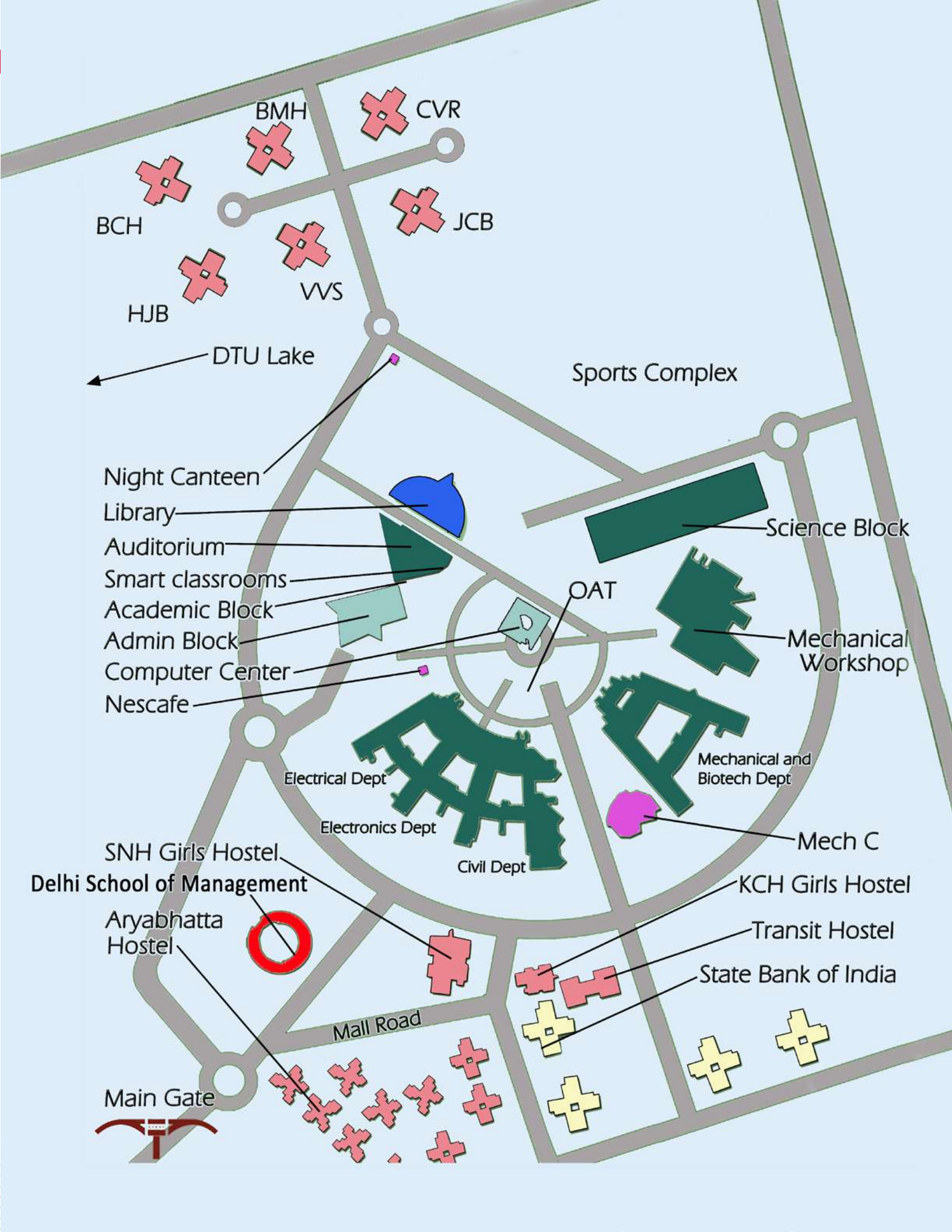
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- INDIAN INSTITUTE OF TECHNOLOGY, Kharagpur
- INDIAN INSTITUTE OF TECHNOLOGY, Kanpur
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BATCH-2019





BMH

CVR

BCH

JCB

HJB

VVS

DTU Lake

Sports Complex

Night Canteen

Library

Auditorium

Smart classrooms

Academic Block

Admin Block

Computer Center

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Science Block

OAT

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Electrical Dept

Electronics Dept

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