दिल्ली प्रौद्योगिकी विश्वविद्यालय

DELHI TECHNOLOGICAL UNIVERSITY

वार्षिक प्रतिवेदन

ANNUAL REPORT

2016-2017

वार्षिक प्रतिवेदन
ANNUAL REPORT
2016-2017

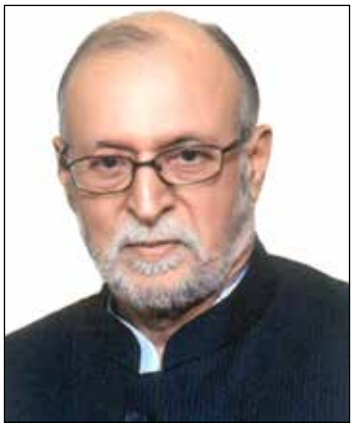
(01 अप्रैल 2016 – 31 मार्च 2017)
(01 April 2016 - 31 March 2017)

दिल्ली प्रौद्योगिकी विश्वविद्यालय
DELHI TECHNOLOGICAL UNIVERSITY

Visitor

His Excellency Shri Pranab Mukherjee

President of India



Chancellor

His Excellency Shri Anil Baijal

Lt. Governor, Govt. of NCT, Delhi

Shri Arvind Kejriwal

Hon'ble Chief Minister

Shri Manish Sisodia

Hon'ble Deputy Chief Minister

Govt. of NCT, Delhi

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Pro-Vice Chancellor

Prof. S. K. Garg

Pro-Vice Chancellor

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Director, IQAC

Prof. Narendra Kumar

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Dean Academic (PG)

Prof. Samsher
Dean (Student Welfare)

Prof. A. Trivedi
Dean (IRD)

Prof. S.K Singh
Dean Alumni Affairs

Prof. Vishal Verma
Dean, International

ACKNOWLEDGEMENT

The Delhi Technological University, Delhi 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. In the academic year 2016-17 a total of 1788 students were admitted in B.Tech. program and 98 students in B.Tech.(Evening) program. In PG programs a total of 440 students were admitted including 80 of MBA and 35 of executive MBA. The number of Ph.D. research scholars admitted was 183. A total of 2509 number of students were admitted in the year 2016-17. The faculty members published 521 research papers in the National and International Journals and 203 in the Conferences and Symposia. A total of 724 research papers were published.

A total of 268 organizations took part in campus placements and offered 1262 jobs. The students from various streams of B.Tech. M.Tech.and MBA Programs in diverse fields of engineering & technology, and management participated in placement process. The highest salary in the campus placements for the graduating batch of 2017 has scaled up to 1.27 crore p.a. by UBER, USA. While a salary of 29 Lacs p.a. was offered to passing out M.Tech student. A salary pakage of 09 lacs p.a.was offered to passing out MBA student. The background of companies visited the campus was wide ranging and included top leaders in core engineering industries, manufacturing industries, oil Industries and also IT and IT enabled services especially e-commerce, finance, marketing, consultancy firms, and R&D laboratories.

In order to cope with the increased need of the students such as their hostels, class rooms and laboratories, a proposal for construction of buildings under Phase-II Construction at DTU Campus, costing Rs.256 Crore has been submitted to the government. 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). A piece of land measuring 4852.8 m2 has been allotted in I.T.I. 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. The building is expected to be completed by the end 2017 so that Academic session can be started next year. Major events such as Techfest-17, Engifest-17, IEE International Conferences ICPEICES-2016, IICIP-2016, and other events such as Aahavaan-2017, TEDx-2017, and Fortune-2017 etc. were organised. Accoording to the i3-RC Engineering College Survey 2017, DTU stands at 5th position. As per the Competition Success Review-Global Human Resource Development Centre (CSR-GHEDC) Engineering Colege Survey, DTU stands on 3rd rank. According to the India Today Survey of 2016 DTU was at 5th rank.

Editing and compilation of the annual report 2016-17 was a matter of great challenge and responsibility for us. Retrieving of the data from various Departments and Sections was the major task to be carried out. I sincerely acknowledge the encouragement and direction given by Hon'ble Vice Chancellor, DTU, Prof. Yogesh Singh. The Heads of various Departments, Training & Placement, Controller of Exams, Dean Academic (UG & PG), Dean (IRD), Director Physical Education, helped immensely in providing the data as and when required. I am extremely thankful to all of them. Lastly but not the least I acknowledge my thanks to Miss Jyoti Sharma, Data Entry Operator who help me in getting typed the Report.

(Prof. Narendra Kumar)
Director (IQAC) & Editor

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ANNUAL REPORT : AT A GLANCE
2016-17

DEPARTMENTS/CENTRES/UNITS	
Academic Departments/Centres	13
Centres of Excellence	01
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GRANTS	
Govt. of NCT of Delhi	
Plan Grant	**25.50 crore**
UGC Grant	**2.23 crore**
TEQIP Grant	**.88 crore**
Total	**28.61 crore**

STUDENTS ADMITTED	
B.Tech.	1788
B.Tech (Evening)	98
M.Tech	325
MBA	80
Executive MBA	35
Research Scholars	183
Total	2509

STUDENTS STRENGTH	
B. Tech. (Full Time)	7167
B. Tech. (Evening)	182
M. Tech. (Full Time)	637
MBA	134
Executive MBA	51
Research Scholars	303
Total	8474

NUMBER OF DEGREES AWARDED	
B.Tech	2855
B.Tech Evening	284
PG Degree	915
Ph.D.	28
Total	4082

FACULTY/STAFF STRENGTH	
Faculty in Position	231
Non-Teaching Staff in Position	102
Non-Teaching Staff in Position (Cotractual)	105
Consultants	23
Total	461

RESEARCH PAPERS	
Journals	521
Conference/Symposia	203
Total	724

CONSULTANCY PROJECTS	
Number of Projects	13
Outlay (Rs.)	2,94, 96,33

SPONSORED RESEARCH PROJECTS	
Number of Projects	12
Outlay (Rs.)	4,41,31,866/-

Vice Chancellor's REPORT

Delhi Technological University (Erstwhile Delhi College of Engineering) has a glorious past of more than 76 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 76 years in providing technical education within modern educational infrastructure, DTU is an institution which defines and continues to update frontiers of Engineering. 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 and Technologists 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, 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.

Admissions

In the year 2016-17, with the initiative of Government of NCT of Delhi, admission to the B.Tech. Programmes at Delhi Technological University was conducted through common counselling, **Joint Admission Counselling**, along with three other technical universities/institutes viz. Indira Gandhi Delhi Technical University for Women (IGDTUW), Netaji Subhas Institute of Technology (NSIT) and Indraprastha Institute of Information Technology Delhi (IIITD). In this way, total **1788** admissions in B.Tech at DTU were made through common counselling and **98** admissions were made in B. Tech evening. The admission to the category PIO/FN/NRI has been conducted through DASA and **30** students were admitted this year.

The Ph.D. student strength has steadily been increasing over the last three 3 years. In 2016-17, about 183 Ph.D. scholars were admitted. All students involved in research in the University are given the opportunity to interact with research community at the National and International level by providing funds to attend International Conferences through TEQIP-II&III. The research scholars are the primary beneficiary of this scheme, a small number of other PG students and UG students have also been benefited. The total number of Undergraduate students admitted were 1886 including 98 in B. Tech. evening. Graduate students admitted in 2016-2017 were **325** in M. Tech., **80** in MBA and **35** in Executive MBA totalling 440.

Academic Infrastructure

In 1998, the department had started a new four year course of B.E Polymer Science and Chemical Technology. The Department has 14 well–established laboratories in Applied Chemistry, Polymer Science and Chemical Technology along with two research

laboratories and one CAD lab. Teachers and students of the Department often go abroad for presenting research papers in seminars/conferences/collaborations etc.

Department of Applied Mathematics offer courses to undergraduate and postgraduate students of various engineering disciplines. The syllabi have been designed in the areas of Applied Mathematics, Computational Techniques and Statistics to impart sound knowledge of various mathematical tools and their applications in the engineering disciplines. A few full time Ph.D. scholarships are available in the above fields.

Applied Physics Department was established to support the academic program offered by all engineering departments. 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. As a result, this department offers B.Tech. In Engineering Physics, M.Tech in Microwave and Optical Communication Engineering, M.Tech. Nanoscience and Technology and M.Tech. Nuclear Science and Engineering.

Department of Biotechnology, founded in 2004 with a vision to make an impact through research and technology based training, is successfully conducting undergraduate and postgraduate programmes. The Department is running various programmes in Biotechnology, Bioinformatics, Biomedical Engineering & Industrial Biotechnology. The Department is also running research oriented Ph.D. programme. The department has undertaken sponsored projects funded by ICMR, CSIR, DST, UGC, etc. The department has 10 state-of-the-art laboratories. The department conducts annual technical festival KARYON in which the students and experts from industry participate in academic deliberations to enhance Industry- University interactions.

Department of Civil Engineering offers one B. Tech Programme in civil engineering and M. Tech Programmes in Hydraulics and Flood Control, Structural Engineering, and Geotechnical Engineering. The department also provides opportunity to working engineers for upgrading their qualification under continuing education programme on part time basis, these programmes are: M. Tech. in daytime, and B.Tech in evening time. The department is well equipped with laboratories related to Structure, Concrete Testing, Soil Mechanics, Highway Engineering, Experimental Stress Analysis, Computational Mechanics, Education Technology, Photogrammetric and GIS facilities, Environmental Engineering and Hydraulics Laboratories. The department of Civil Engineering lays greater emphasis on quality research for industrial design and development. Excellent facilities are available to conduct research for the award of Ph.D. degree in the disciplines of Structural Engineering, Structural Dynamics, Earthquake Engineering, Water Resources Engineering, Environmental Engineering, Experimental Mechanics, Geotechnical Engineering and other interdisciplinary areas.

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. Department has developed state-of-the-art laboratories in the various fields

of Computer Engineering-Computer Architecture Lab, Network Lab, Web Designing Lab, Computation and programming Lab, Operating System Lab, Artificial Intelligence Lab and many others. Currently, the department offers doctorate, post-graduate & under-graduate courses in fields of Computer Engineering; Information Technology & Software Engineering & Technology. 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's chapters. **Fifteen new Assistant Professors have been recruited in this session.**

Delhi School of Management (DSM) was established in 2009 with the upgradation of Delhi College of Engineering into Delhi Technological University. 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.

Department of Electronics and Communication Engineering has seen considerable growth since its inception in 1976.This department offers UG/ PG and Ph.D. programmes. Currently the Department has 11 well equipped curriculum laboratories and 4 research laboratories. Frontal areas of the advance level research in the department are Micro Strip Antenna Design, Sensor Networks, Image Processing and Analog and Digital System Design. The department regularly organizes seminars, workshops and training programs to keep pace with the new developments and recent trends in relevant technologies. The department plans to have centre of excellence in the field of robotics, machine vision, medical electronics and VLSI in collaboration with industry. The department is planning to impart training program in cutting edge technologies for creating a talent hub to meet industrial manpower needs. The department is striving to utilize the power of brilliant minds at DTU and its networked institution/research laboratories for development of future electronics.

Department of Electrical Engineering has grown significantly since its inception in 1941. The goal of the department is to provide quality education at undergraduate and postgraduate levels and undertake cutting edge research in various areas of Electrical Engineering. The department has an annual intake of 150 and 100 students in the B.Tech. programmes in Electrical Engineering and Electrical & Electronics Engineering, respectively. The department is also offering B.Tech. (Evening) with an intake of 46 students. At the post graduate level, the department is offering two M.Tech. programmes in Control and Instrumentation and Power Systems with a combined intake of 48 students. The department is also running part time (evening) PG program in Power Electronic Systems for DMRC (under MoU) since 2012- 13. In addition to the above, the department offers regular Ph.D. programmes in various areas of specialization in Electrical Engineering. These include Intelligent Control, Optimization, Power Quality, Renewable Energy Sources, Smart Grids, Power System Operation and Control, Power System Dynamics and Stability, Flexible AC Transmission (FACTS), Electric Drives and Hybrid Electric Vehicles. The department currently has 17 laboratories equipped with state-of-the art equipment and latest

version of latest software platforms. Currently, sponsored projects from the DST and the AICTE amounting to more than Rs. 1.3 crores are underway in the department.

Department of Environmental Engineering was established in February-2012. The department offers B.Tech, M.Tech and Ph.D. programs and an opportunity to working engineers for their academic upgradation by offering part time PG course. The department is actively involved in research and development and has well established laboratories in all the areas of environmental engineering.

Department of Humanities was established in the year 1941 with a view to impart necessary soft skills to the graduating engineering students. Initially, courses in English, Economics and Accountancy were taught to the students. With the growing impetus on 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 culture to make them confident and market ready. To sensitize students towards the technological need of 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 and how science and engineering can be used to improve their lives.

Department of Mechanical, Production & Industrial Engineering has experienced 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 also offers Post Graduate courses with specialization in Thermal Engineering, Production Engineering, Computational Design and Renewable Energy Technology. The 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 holder. The department possesses modern laboratories equipped with latest experimental set-ups and research facilities for instrumentation, experimental stress analysis, strength of materials, fluid mechanics, IC-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. Fluent software is available in the CFD Centre. Industrial Engineering lab has software: SPSS, Witness and Lingo-7. The department has developed eco-friendly technology using alternate refrigerants in the RAC lab for re-directing global warming and Ozone depletion. The research and development is facilitated by NT enabled workstations and competitive robots with digital controller. In addition, microprocessors, micro controllers, PIC, spectrum analyser and logic analyser are available for project work. The department has a modern workshop equipped with sophisticated machinery in Fitting and Machine Shop. The facilities at the welding shop include pulse TIG, ultrasonic welding and submerged arc welding. The students are given hands on experience on CNC Drilling, CNC Lathe Machine EDM & wire EDM.

Training and Placement of Students

With the mission of providing leading industries with the brightest minds of country DTU entered the 2016-17 placement seasons with confidence. In academic year 2016-17, a total of 268 organizations took part in campus placements and offered 1262 jobs. Highest salary pakage offered was 1.27 crore by a US based software giant. Students from B.Tech, M.Tech, MBA programs in various fields of engineering and technology, participated in the placement process. The process began in June 2017 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.

Core Engineering and Technology

The students of DTU continued to demonstrate a strong commitment to their core educational background in the choice of employment. Majority of students opted for science, engineering and technology oriented jobs, with the recruiting companies operating in various sectors of the economy. Some companies that visited campus are Maruti, Tata Motors, Schlumberger, Turner, L&T, Hyundai Samsung Engineering and R&D, Daimler, Philips, Royal Enfield and many more.

IT and IT Enabled Services

Over 98 leading IT firms, including several global leaders, visited DTU for campus placement 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 605 offers were made in the software firms Like, Google, Amazon, Directi, Epic, Microsoft IDC, Flipkart, Adobe, Texas Instrument, Paytm, Sap Labs and many more.

Consulting

The well deserved reputation of superior analytical and reasoning skills of DTU graduates continued to draw recruiters from rapidly growing field of data analytics. There were 302 job offers from 79 organizations making it one of the biggest recruiters after engineering and information technology profile placements. The trend seen in the last two years seem to have taken strong roots at DTU. Some companies that visited are Barclays, Deloitte, Future First, ZS Associates, And EXL, UHG, KPMG, Tower Watson and many more.

Financial Services Sector

Continuing the trend of last few years, the finance sector was a major recruiter this year too. With many of the top global companies of this sector visiting DTU for campus placements, the sector saw a rush among the top-level as well as the mid- level companies to recruit the brightest and the best from the campus. A variety of profiles were opened up in the sector as these companies have begun to appreciate the analytical and quantitative analysis acumen of the DTU students. Over 50 offers were made by financial services sector to DTU students. Companies like Yes Bank, Total Group, Café Coffee Day, Havells, and Saint Gobain visited campus.

Teaching

DTU has continued to provide faculty to several educational institutions and

universities through campus placement over the past several years. Many post-graduate students have been offered jobs with public and private educational institutions through campus placement. The following educational institutes visited our campus Galgotia University, Vidyamandir Clases, Kshitiz Education, Aakash Institute.

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, Coca-Cola, Varun Beverages, Ernst & Young and many more.

Placement Training Sessions

Placement training sessions conducted by Department of Training and Placement, DTU were attended by more than 678 students which comprised of 15 sessions and included sessions on group discussions, mock interviews, case study, and resume writing. The sessions were addressed by faculty and many fourth year students who are currently placed at different companies.

KPMG: Six sigma green belt program in association with Harvey education conducted 4 days of program to teach students of Delhi school of management about six sigma programs and its implementation in existing Indian industry. Enlightening program was attended by management students to understand the application of managerial concepts in real life problem solving through industrial based cases. Event took place at Department of Management. KPMG knowledge resource person took the 4 days program followed by evaluation test of students. All the students earned the certificate of merit and now hold the green belt in six sigma program.

The successful student placement in 2016-2017 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. The year also saw several new organizations visiting DTU for the first time, and we look forward to fostering long-term relationship 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 as a preferred destination of students and industries.

The success of the placement endeavour 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. Also the officers of the training Department visited the various companies for Building Institute-Corporate Relationship

Infrastructure Development

In order to cope with the increased need of the students w.r.t their hostels, class rooms and laboratories, a proposal for construction of buildings under 'Phase-II Construction at DTU Campus' at a cost of Rs 256 Crore has

been submitted to the government and it covers new constructions of boys and girls hostels, academic blocks for the newly added UG and PG programs, centre for innovation and techno-entrepreneurship. Two multipurpose halls, 4 SPS class rooms of 120 capacities each, and two halls of 225 student capacity have been constructed. One Nuclear Science laboratory in the department of Physics and one in Biotechnology has been completed. The construction of one Disaster Management laboratory in Civil and one library block in Mechanical is likely to be completed soon.

DTU East Delhi Campus, Vivek Vihar

A piece of land measuring 4852.8m2 has been allotted 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. It is proposed to construct a 4 to 7 storied building semi-permanent in nature with steel structure and newly innovative materials which may fulfil the requirement of DTU and additional floors shall be utilized in future. The building is expected to be completed by the end of current year so that academic session can be started next year.

The newly established East Delhi campus of DTU has become functional from this academic session. It is located in Vivek Vihar, Phase II (in the premises of Shaheed Sukhdev College of Business Studies which has been shifted to a new campus in Rohini). The University School of management and Entrepreneurship endeavors to provide quality education, research and innovation in the emerging areas of management relevant to industry and society. From this academic session, courses in Bachelor of Business Administration (B.B.A), Bachelor of Arts (B.A Hons.) in Economics and Master of Business Administration (M.B.A) are being offered to students. Of the total seats in the programme at undergraduate level, 85% of seats are available for students from Delhi Region Candidates and 15% for Outside Delhi Region Candidates. The MBA programme comprises of two years of study designed in four semesters using participative pedagogy with equal emphasis on conceptual knowledge and application of such knowledge in industry context. The Programme focuses on inculcating effective managerial leadership. Specializations include Marketing Management, Financial Management, Human Resource Management, Supply Chain Management, Information Technology Management, and Knowledge & Technology Management. The intake of this programme for this academic session at East Delhi Campus for academic session 2017-18 is 60. The reservation of seats for SC/ST, OBC, PWD and other sub categories are as per the norms and one seat is reserved for Kashmiri migrant.

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 engage 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.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 studio. 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.

Incubation Centre

The Incubation Centre of DTU was inaugurated by Honourable Deputy Chief Minister Sh. Manish Sisodia. Five cubicles have been established, which will serve as breeding grounds for innovation and excellence. DTU is among the first six universities to be funded by the Delhi State Government under this Incubation Policy.

University Policies

Students can start their own industry with infrastructural, expert and monetary support from the university. There will be a special pool of experts that will help the enterprise stand on its own feet. Initial seed funding will be provided by the university. Also, students shall be encouraged to float their entrepreneurship career for two years. If they are not satisfied with their enterprise, they are eligible for interviews and placements. The pre-final students can also step into entrepreneurial journey, and come back later to complete their studies.

Sports and Gymnasium

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 Gmaes facilities are also provided i.e. Table Tennis rooms, Chess rooms, Carom rooms and Gyms are also available in the each hostel of the DTU campus. Sports council of DTU has organized several tournaments during 2016-17 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 gymnasium 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 girls students also.

Health Centre

The DTU is having a modest Health Centre managed by well experienced doctors. Services of five medical practitioners are available to the students throughout day and evening. The University health centre is also visited by specialized medical practitioners for ENT, Eye, Dental care etc. for expert advice and treatment. University is also having tie up with nearby leading hospitals for emergency. A large number of hospitals are in the vicinity of the University; some of them are Dr. Bhim Rao Ambedkar Hospital, Saroj Hospital, Mahavir Hospital, Jaipur Golden Hospital, Satyam Hospital etc. A new sports medicine-cum-physiotherapy centre has been added to provide the necessary expert advice. The following Doctors engaged in the university health centre.

Students Technical Societies and Achievements

The university not only concentrates on academic activities, but also places an emphasis on an all-round development of its students. The Institute has therefore, created excellent infrastructure for a variety of co-curricular and extracurricular activities and various technical societies are functioning in the University under the faculty advisors and mentors. The DTUSA along with its different technical societies of various departments generally plan, organize and manage the various student activities throughout the year. The various societies working in the University are: Computer society of India, DTU Chapter, The Institution of Engineering and Technology, IET, DTU Chapter, Robotics Society, SR-DTU, IEEE, DTU, Society of Manufacturing Engineering, DTU, SAE, DTU Chapter, ASME, DTU Chapter, International Society for Optical Engineering (SPIE), Society for Experimental Mechanics (SEM), American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE), DTU Chapter, Society of Plastics Engineers (SPE) DTU, American Society of Civil Engineers (ASCE), DTU Chapter and Society for Environmental Engineering, DTU. The various societies have organised their annual function in Jan-Feb, 2017 and later they have also organised the Technical festival from in February, 2017. The cultural spectacle started with inauguration ceremony, a gracious beginning to the highest on energy fest.

National Service Scheme (NSS)

The overall aim of NSS-DTU is to give an 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. Some of the highlights of NSS are as below:

Abhilasha-Celebration Ambitions

A seminar on women empowerment and legal awareness, was organised on October 25, 2017 with NSS DTU at its helm. The event commenced with the enlightening and inspiring words of Advocate Nupur Sharma, who's also the Official Spokesperson of Delhi's BJP unit. The second speaker was Mrs.Laxmi Agarwal, an acid attack survivor and activist whose story sent chills down the spines of everybody and heart warming words left everyone numb.The event was adorned by performances from Nrityangana and Madhurima. NSS DTU holds high gratitude towards them for their efforts in helping it become a success.

Seminar on Depression

NSS-DTU conducted a seminar on "Depression and how to deal with it" on

September 13, 2017 wherein students were made to have a rendezvous with the enormity, effects and solutions for the societal evil of Depression. It was an interactive session in which students' queries were duly answered. Dr. Shyamanand Roy of the Psychiatry Department, AIIMS and the Honourable Pro Vice Chancellor, Prof.. Anu Lather spoke on the issue.

Adoloscent Awareness Programme

A team of three volunteers from NSS-DTU conducted a 5 hour-long session on 'Menstrual Health' under its Adolescent Awareness Programme Unit at Sarvodaya Kanya Vidyalaya , Sector 16 on January 28, 2017. The aim of the programme was to help adolescent girls understand the physical and psychological changes which they undergo during this period and the scientific reasons behind the changes. The session included speeches, presentations and a few videos related to menstrual health, maintainence of hygiene and other health related risks. The talk session was followed by a quiz competition. Towards the end of the programme, our volunteers conducted a doubt session for the students of the school.

Blood Donation Camp

NSS DTU feels proud to declare the success of the Blood Donation Camp that was organised in collaboration with Blood Connect in February 2017 at the Civil Convocation hall. A team of doctors from the Hindu Rao Hospital established the camp for the blood donations from 10 AM to 4 PM on Wednesday. The camp received a total of 206 successful donations from DTU students.

NSS DTU expresses its gratitude for the same.

Kalam Ko Salam

It has been three semesters since the commencement of NSS DTU'a flagship program, Kalamko Salam. The program is in accordance with the vision of Dr.Kalam and aims to add positivity in the lives of underprivileged children. The volunteers of NSS DTU have been interacting with the children of Shubhakshika Open Shelter to help them build a scientific thinking through fun and learning activities and games. In order to generate and maintain the interest of the children, various experiments are being set up by the student volunteers to teach them Science. Besides this, the children have also been taught Maths and Origami activities. The student volunteers have thus incorporated novel methods in their teaching methodology to intrigue the curiosity of the children. With its long borne mission to spread happiness among those long been deprived of it, the volunteers of NSS-DTU under the project KalamKo Salaam, visited Subhakshika open shelter. They involved the students at the shelter in some fun and interesting pre Diwali activities. This was done in view of the fact that not only studies, but extra curricular activities also play a vital role in a child's personality development.

Recycle Today

In April 2017, our dedicated volunteers collected old practical notebooks, training diaries and mid-semester answer sheets from various departments in the university. This was done under our initiative 'Recycle Today' which we started in collaboration with JAAGRUTI after realising the large amount of paper waste generated in the university each year. JAAGRUTI, a waste paper recycling agency will provide us notebooks made from the recycled paper. NSS will donate these notebooks to the

poor and needy children. The continuous and dedicated efforts of the volunteers bore fruit in the form of amassing of approximately 2.8 tons of waste paper. This waste paper was transferred to the Waste paper recycling agency Jaagruti, which in turn provided NSS DTU with recycled paper made into about 1900 notebooks. These notebooks will be distributed to the needy students in the next phase of the project.

Saksham Campaign

NSS DTU began the 'Saksham' campaign on the 20th of April. The campaign involves bringing small business, public service establishments and public conveniences to Google maps making, them easier for the general public to find. The initiative would also give the small business owners more visibility, thereby increasing their income. A team of 8 volunteers went to the neighbouring section areas of college and included more than 20 previously unmapped locations on Google maps, including a Woman and Child Care Centre, TB Dots Centre and 15 small businesses.

Youth for Seva

The NGO Youth For Seva organized a competition named "Navoudit" at the Jadonang Hostel, Narela a home to the children from tribal areas of North East in January 2017. It is a noble attempt to give these underprivileged children an opportunity to showcase their talent. NSS-DTU Volunteers visited the hostel and witnessed exceptional talent among these children at singing, dancing, painting and sports. NSS DTU appreciates this initiative by Youth For Seva in their attempt to help these underprivileged children rediscover themselves.

Walk for Water

On 22nd March, 2017 Shuddhi NGO and Walk for Water organized a walkathon in partnership with Ministry of Youth Affairs and Sports at India Gate, New Delhi to celebrate World Water Day.The event witnessed Mr. Vijay Goel, the Minister of Youth Affairs as its chief guest. More than hundred people marched from India Gate to Maan Singh Marg, carrying posters and slogans to make people aware about water conservation. Around 20 NSS DTU students took part in this Walkathon as both volunteers and participants.Towards the end of the event, Mr. Vijay Goel addressed the participants and discussed the importance of water conservation and different ways to achieve it. The crowd then pledged to save water and make judicious use of the resource.

Voice of Animals

NSS DTU has taken up the initiative to provide permanent shelter, food facilities and medication to the sick, wounded and abandoned animals inside DTU campus. To enlighten all the students on the issue of animal behaviour, we have scheduled an orientation and a short movie screening followed by an interactive session organised in collaboration with doctors from Sanjay Gandhi Animal Care Centre on 20th March, 2017. On 20th March 2017, volunteers of NSS DTU had an interactive session in collaboration with Sanjay Gandhi Animal Care Centre. Mrs.AmbikaShukla, famous animal right activist shared eye-opening facts and figures, and enlightened us regarding our responsibilities in protecting environment, especially animal kingdom. She encouraged students to adopt a stray animal each, and to practise vegetarianism. NSS DTU thanks for her time and plans to execute more events in this regard to have lasting effect by providing safety, food,

shelter and medication to dogs and other animals in the university campus.

TEQIP–II: A World Bank Project

TEQIP-II Project started in DTU in July 2013 with an overall funding of Rs.12.5 Crore. The main objectives of TEQIP-II project are to strengthen PG education, research and innovation, promote industry partnership in education and research, and build quality faculty capacity.

Outreach Programmes

Continuing Education Programme (CEP), Quality Improvement Programme, Curriculum Development Programme and FDP Faculty Development Program (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-II at DTU are meant for professors and are fully funded by TEQIP-II. 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. As per the career advancement scheme implemented in this session, numerous promotions have been granted.

National and International Collaborations

The DTU has signed 18 MoU with various universities, institutions and organizations. This year, DTU has signed two new MoUs with University of South Florida, U.S.A and Chaoyang University of Technology, Taiwan for academic interactions, students and faculty exchange, and collaborative R&D work. The MoU with TCS has also being renewed.

Major Events in 2017

Techfest'17

The tech fests of Delhi Technological University were organized from 10-12 February, 2017, to achieve a confluence of knowledge, innovation and nurture the technical abilities and skills of students. Dr. S. Indu was the Faculty Co-ordinator. Various events held during the Techfest by various societies were Asymptotes 2017 by MACS, DTU, AURORA 2017 by the Department of Applied Physics, EXCELSIOR by SR-DTU, Troika by IEEE DTU, RENAISSANCE by IET DTU Student Chapter, TRYST by IGTS DTU, KARYON'17organized by Department of Biotechnology

ENGIFEST 2017

The much awaited Engifest 2017 with the theme "Infinity" was held on 18-20th February. As our vision was to make it bigger than it ever was, preparations were started from November only. The three day fest was a plethora of activities ranging from electrifying to dance performances to heart wrenching drama. True to its spirits, Engifest 2017 provided a platform to students from all over India to discover their passion and showcase their talent.

International Conferences

ICPEICES 2016

The 1st IEEE International Conference on Power Electronics, Intelligent Control and Energy Systems (ICPEICES-2016) was organized by the Department of Electrical Engineering in association with IEEE PELS-IES and PES-IAS Delhi chapter from July 04, 2016 to July 06, 2016 at DTU as a part of the platinum jubilee celebrations of DCE-DTU. The conference was inaugurated on July 4, 2016 in Dr. B.R. Ambedkar Auditorium, DTU. Professor Ved Prakash, Chairman UGC, was the Chief Guest of the ceremony. The keynote address was delivered by the Guest of Honour, Professor Sudip K. Mazumder, fellow IEEE, University of Illinois, Chicago, USA. Professor Yogesh Singh, Honourable Vice Chancellor, DTU, presided over the function. Professor Madhusudan Singh, General Chair, ICPEICES, welcomed the dignitaries and delegates, participating in the conference and appreciated the efforts made by the organizing committee in hosting the prestigious conference at DTU. Dr. Bharat Bhushan, Organizing and Technical Chair, ICPEICES, presented a brief schedule of the conference and acknowledged the active participation of the sponsors, authors and reviewers. The conference included keynote address, tutorial sessions and plenary sessions by distinguished speakers. ICPEICES 2016 received overwhelming response from researchers in India and abroad. More than 1600 research papers were received, out of which about 680 papers were presented in the conference.

IICIP-2016

1st India International Conference on Information Processing-2016 was organized between 12 August 2016 and 14 August 2016 in association with IEEE. The conference provided a wide platform to researchers from academies, industries and government organizations to share their novel ideas. The conference aimed to provide an international forum for contemplating the interdependent and inter-disciplinary research ideas for enhanced quality work or information processing. in association with IEEE, will be organized between 12th August,2016 and 14th August, 2016. IICIP will provide a wide platform to researchers from academies, industries and government organizations to share their novel ideas.

Other Events

Aahvaan 2017

Aahvaan 2017 was organised from 23 rd -26th of March 2017. It saw participation of over 700 sportspersons. A sports talk was held during the fest, featuring Sheetal Mahajan(sky diver), Naveen Gulia(Paralympicsachiever) and Rajesh Chauhan(former hockey player), the lesser known stars of India. AAHVAAN took up the issue of discrimination against North-East Indians Performances by the band Local Train, Qawwali Night with the NizamiBandhu, Dastak-street plays by different colleges, Colour Run and other events were held.

Fortune 2017

The Accounting Skills and Stock Exchange Training Society (ASSETS) of DTU organised Fortune'17 as its annual financial and economic fiesta, on 28th March this year. Various competitions like Mock-Stocks, Quiz and Case Study presentation was held and guest lecture by the Mr. Varun Malhotra, the director of EIFS Pvt. Ltd.

TEDx 2017

TEDxDTU 2017 was held on18/03/17 that focuses on spreading new and brilliantideas through the words of some of the greatest visionaries, innovators, problemsolvers and connectors of the 21st Century. There theme was ”BECAUSE GREY MATTERS” Some of the speakers were Laxmi Agarwal,Ms. Monica Dogra, Mr. MadhavGadgil, Sukant Khurana, Onkar Khullar and Arnyani Bhargav.

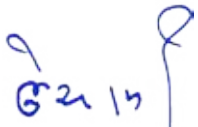
DTU Ranking

Accoordingtothei3-RCEngineeringCollege Survey 2017, DTU stands at 5th position. As per the Competition Success Review-Global Human Resource Development Centre (CSR-GHEDC) Engineering Colege Survey, DTU stands on 3rd rank. According to the India Today Survey of 2016 DTU was at 5th rank.

Acknowledgment

DTU is grateful to the financial support provided by GNCTD, MHRD, DST, AICTE, UGC, CSIR, DBT and DRDO. My sincere thankstoallthefacultymembers,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 Baijal, 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 and other Committees of DTU for their valuable contribution which enables DTU to achieve its mission. I compliment the Editorial team for their untiring efforts which was invested in compiling this report.

With best wishes.



Prof. Yogesh Singh
(Vice Chancellor, DTU)

Inauguration of DTU East Delhi Campus, Vivek Vihar

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).

DTU Cultural Council 2016-17

Engifest 2017

Engifest is the annual intercollege cultural festival celebrated in DTU. Engifest comprises of several interesting events covering a vast area of interests, from astounding dance performances in Spandan to death defying stunts in Shakedown to heart wrenching onstage acting in the Nukkad and Natya.With the efforts by DTU Cultural Council 2016-17 Engifest 2017 achieved new heights by becoming the largest cultural festival in North India and set a milestone by registering a footfall of over 50,000 students from colleges all over India. Engifest Orientation is conducted every year by the Cultural Council to brief the students about Engifest, the work of the various teams followed by the recruitment procedure. Willing students are called for interviewand the capable ones are selected and sorted into various teams. DTU Cultural Council 2016-17 also interviewed over 800 students and finally shortened down a team of 300 dedicated members for Engifest 2017.

Since any successful event requires a lot of efficient teams working behind, the formation of ten different teams namely Publicity, Public Relations, Corporate, Designing, Digital Marketing, Content, Hospitality, Logistics, Informals and Creative takes place. As a tradition, every year Engifest starts with an inauguration ceremony followed by different 3 days packed with various cultural events. Raghbir Singh Bhola, renowned Indian hockey player and also a proud alumnus of Delhi Technological University graced the event by being the chief guest. Glimpses of Various Cultural Events in Engifest are as follows:

Nukkad & Natya- Stage & street play events

Spandan (solo and group)- Western dance event

Anushthaan- Folk dance event

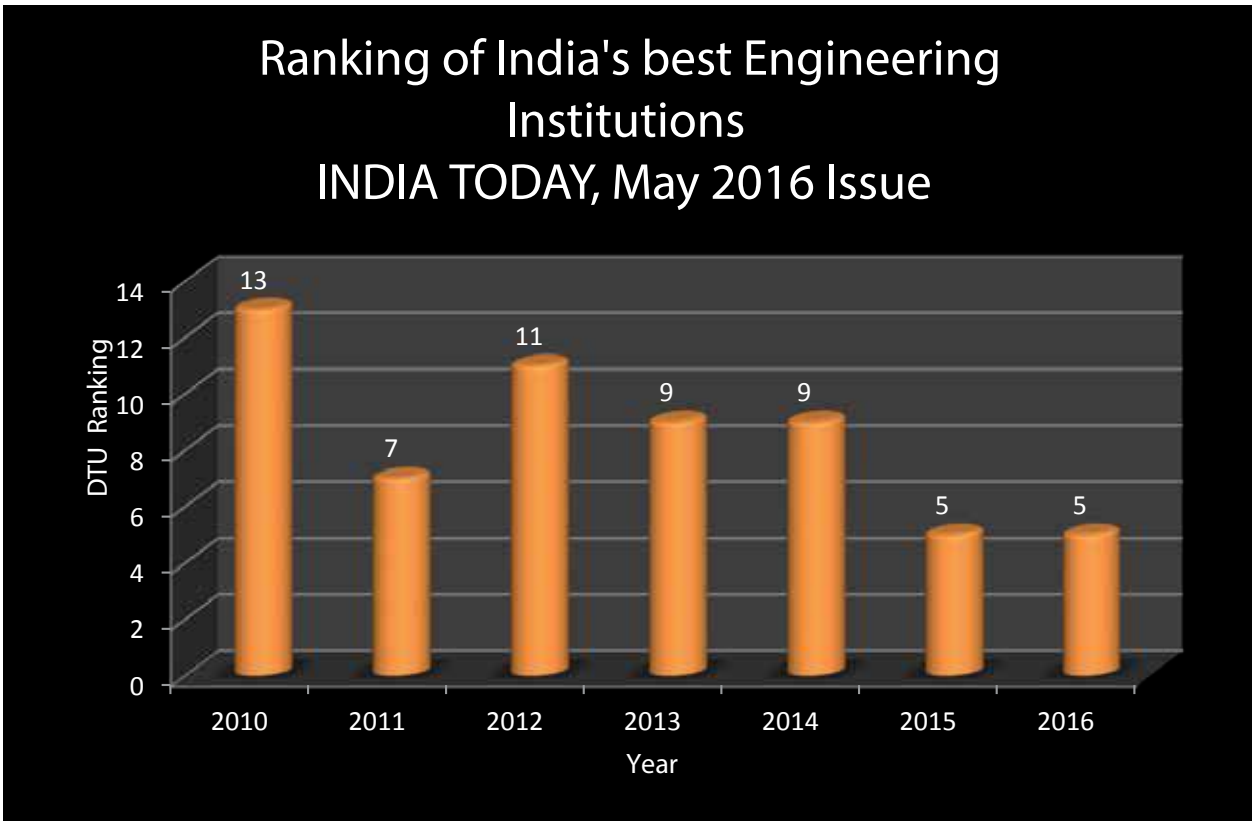
STFU- Hip-hop dance event

Paridhan- Fashion event

Shakedown- car racing event

Apart from the above mentioned cultural events, each day was concluded by the following marquee events-

1. EDM night-Top Indian DJ Nucleya opened by Rave&Crave
2. Rock Night- Lagori Band
3. LiveWire (Star Night)- Bollywood singer SunidhiChauhan
4. KaviSammelan– Piyush Mishra


Ranking of India's best Engineering Institutions
INDIA TODAY, May 2016 Issue
DTU Ranking
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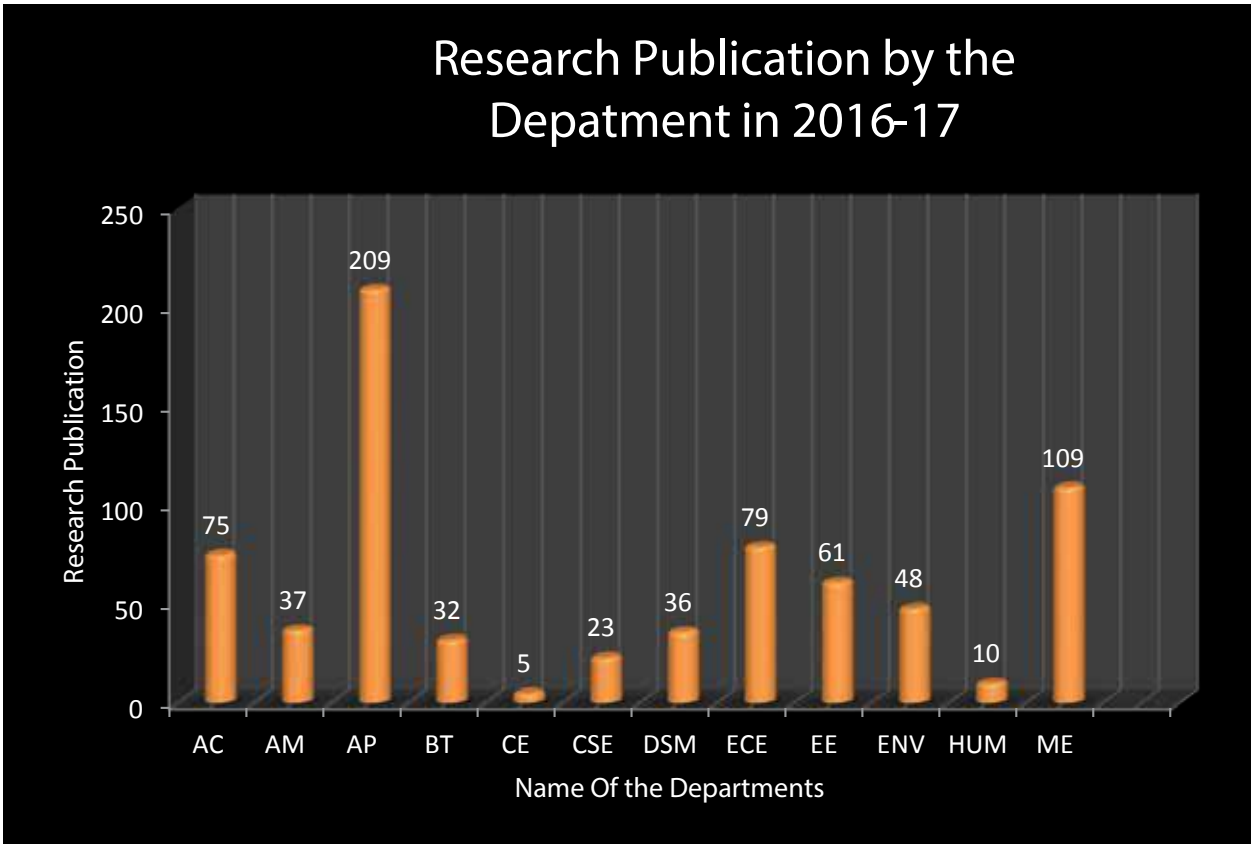
Research Publication by the Depatment in 2016-17
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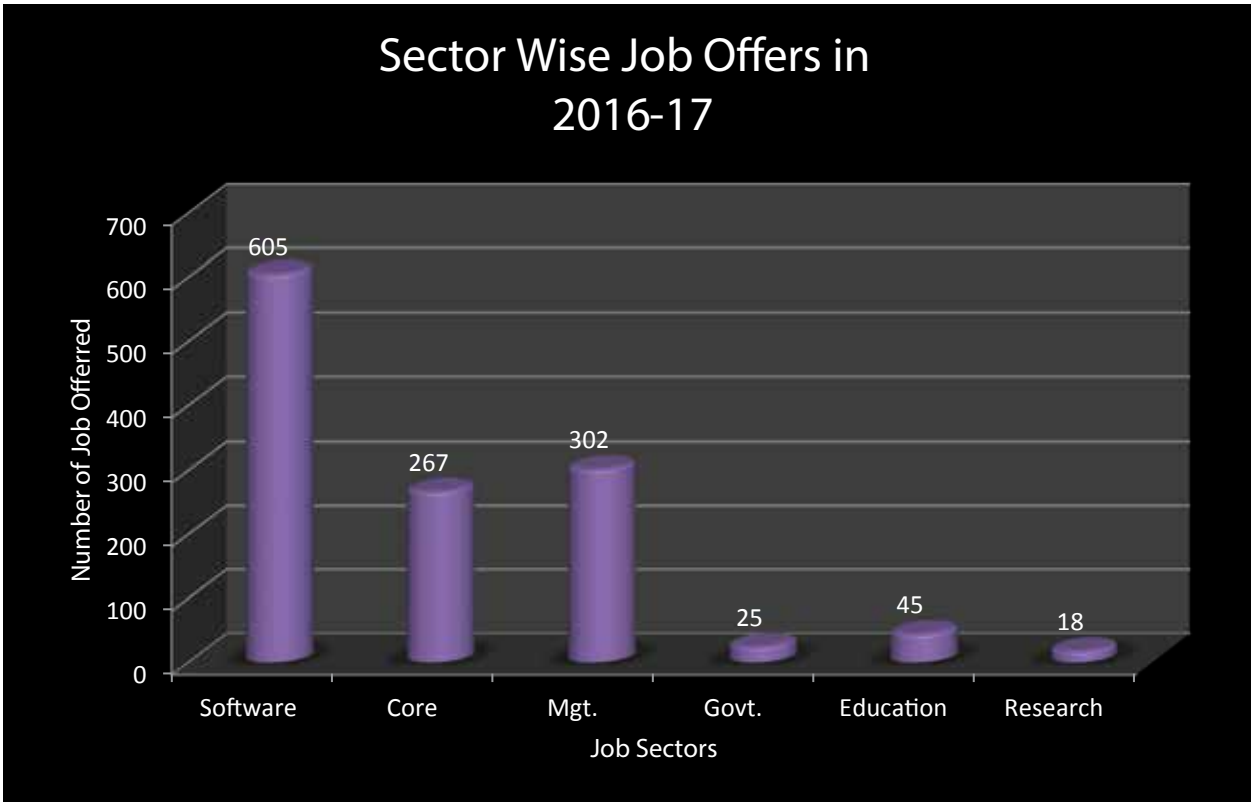
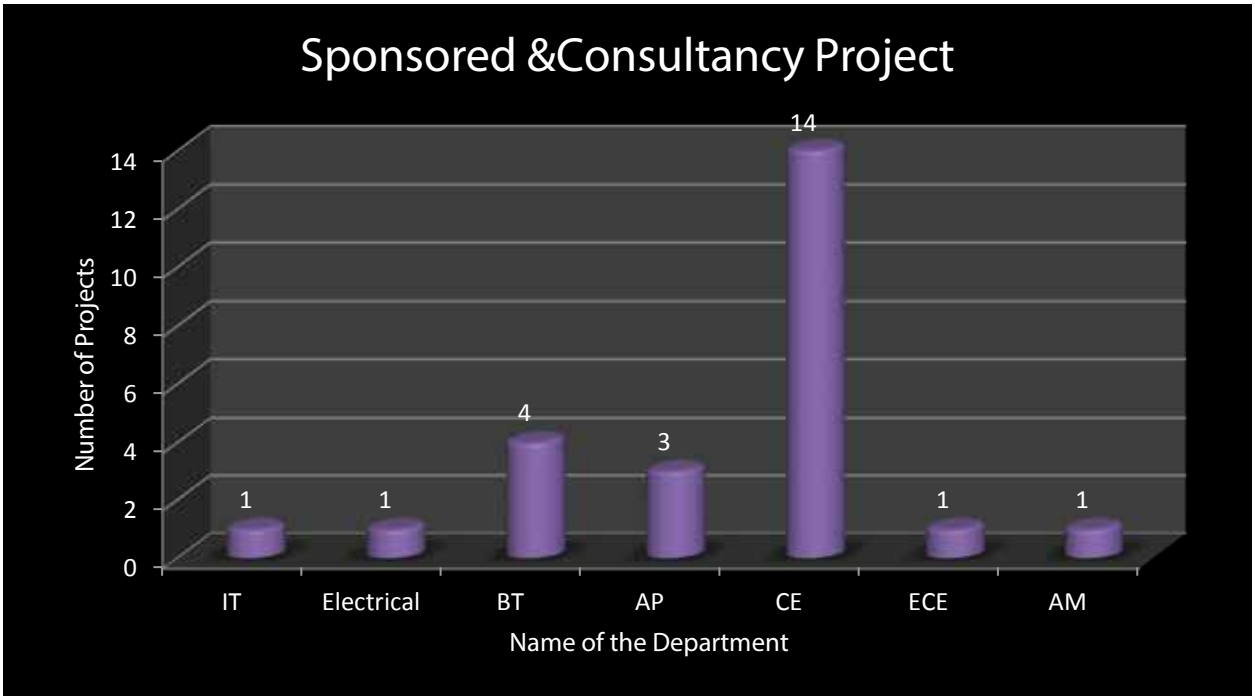
Sector Wise Job Offers in 2016-2017 Sponsored & Consultancy Projects





1 Organization and Administration

1.1 University Court

List of members of the Court, DTU.

As per Delhi Technological University Act 6 of 2009 read with section 20, following persons are the members of the Court, DTU.

a) His Excellency Lt.Governor, Govt. of NCT, Delhi, the Chancellor.

b) Hon'ble Vice Chancellor, Prof. Yogesh Singh

c) Prof. Anil K.Tyagi VC, GGSIPU

d) Prof. Saibal Chattodhyay, Director, IIM Kolkata

e) Prof. M.N. Doja, Head, Computer Engineering Department, Jamia Milia Islamia, Delhi

f) Prof. Bhim Singh, Department of Electrical Engineering, IIT, Delhi

g) Prof. Lalit Awasthi, Director, National Insitute of Technology, Jalandhar, Pinjab

h) Principal Secretary or Secretary (Finance) to the Government ex-officio.

i) Principal Secretary or Secretary (Higher Education) to the Government ex-officio.

j) Principal Secretary or Secretary (Technical Education) to the Government ex-officio.

k) A Nominee of UGC

l) Prof. Rajive Kumar, Asvisor-1 P&AP Bureau, AICTE, Nelson Mandela Marg, Vasant Kunj, New Delhi 110067 (AICTE Nominee)

m) Registrar of the University.

The term of the office of the nominated members of the Court other than Ex-Officio members, shall be three years.

1.2 The Planning Board

In exercise of the powers conferred under DTU Act, 2009, Section 23 (2) sub clause-(xii) read with Section (12) of the DTU First Statute 2009, the BOM of DTU constituted the Planning Board of the University as under:

1. Prof. Yogesh Singh, Vice Chancellor, DTU Chairman
2. Prof. Pankaj Jalote, Director, IIIT, Delhi Member
3. Shri Ashok Khurana, Former DG, CPWD Member
4. Dr. M.K. Hada, Advisor-I, AICTE Member
5. Representative of UGC, not below the level of Jt. Secretary Member
6. Secretary DTTE/Director DTTE Member
7. Prof. Sanjay Dhande, Former Director, IIT, Kanpur Member
8. Registrar, DTU Secretary

1.3 Board of Management

S. No.	Name	Position in the Board
1	Vice Chancellor, DTU, (Ex. Officio)	Member
2	Pro Vice Chancellor, DTU, (Ex. Officio)	Member
3	Principal. Secretary, Technical Education, (Ex. Officio)	Member
4	Principal. Secretary, Finance, (Ex. Officio)	Member
5	Principal Secretary, Higher Education, (Ex. Officio)	Member
6	Prof. Ajay K. Sharma (Eminent Person)	Member
7	Prof. Khalid Moin, (Ex. Officio)	Member
8	Prof. I.K Bhat, (Eminent Person)	Member
9	Sh. Sameer Nayyar (representative of an Industry Association)	Member
10	Dean, IRD, DTU	Member
11	Dean Acadmic (UG), DTU	Member
12	Prof. H.C Taneja, Professor, DTU	Member
13	Prof. Samsher, Professor, DTU	Member
14	Registrar, DTU	Secretary

1.4 Finance Committee

S. No.	NAME	Position in the Board
1	Prof.Yogesh Singh, Vice Chancellor, DTU	Chairman
2	Sh. S.N. Sahai Principal Secretary (Finance), GNCT of Delhi, New Delhi	Member
3	Smt. Punya Salila Srivastava Principal Secretary, Department of Training & Technical Education, GNCT of Delhi, Muni Maya Ram Marg, Pitam Pura, Delhi	Member
4	Sh. Ajay Kumar Sharma, Director, NIT	Member
5	Prof. S. K. Garg, Pro Vice Chancellor, DTU	Member
6	Registrar, DTU.	Member
7	Shri Nand Kishore, Controller of Finance, DTU	Member Secretary

1.5 Academic Council

S. No.	Name & Designation	Contact No.
1	Prof. Yogesh Singh, Hon'ble Vice Chancellor, DTU vcdtu@dce.edu	
2	Prof. Smriti Srivastava, Prof. of Computer Engineering, Head – Division of ICE, NSIT, Delhi	9810730260
3	Prof. Tarun Kumar Das, Prof. of Mathematics & Registrar, University of Delhi, Delhi-110007	011-27667853
4	Prof. Surendra Yadav, Professor of Management, IIT-Delhi, Hauz Khas, New Delhi-110016	011-26591242
5	(Nominee from UGC), To be nominated	
6	Dr. Bhim Singh (AICTE), CEA Chair Professor & Head, Deptt. of Electrical Engineering, IIT, Hauz Khas , New Delhi-110016	011-26591045
7	Mr. Lokesh Mehra (FICCI), A-166, Ground Floor, Sarita Vihar, New Delhi – 110076	9899887950
8	Prof. S.K. Garg, Pro Vice Chancellor (1), DTU	9871405713
9	Prof. Anu Singh Lather, Pro Vice Chancellor (2), DTU	
10	Prof. Vishal Verma, Dean (Int'al Affairs), DTU	
11	Prof. Madhusudan Singh, Dean Academic (UG), DTU	9968404221
12	Prof. Ashutosh Trivedi, Dean (IRD), DTU	
13	Prof. Samsher, Dean (SW), DTU	
14	Prof. H.C. Taneja, Dean Academic (PG), DTU	9868645049
15	Prof. S.K. Singh, Dean (Alumni Affairs), DTU	9891599903
16	Prof. Pragati Kumar, Dean (Continuing Education)	9968491619
17	Dr. Archana Kumari, HOD (Applied Chemistry), DTU	7290988204
18	Dr. Sangita Kansal, HOD (Applied Mathematics)	9868893146
19	Prof. D. Kumar, HOD (Bio. Technology), DTU	9811425817
20	Prof. S.C. Sharma, HOD (Applied Physics), DTU	9810276474
21	Prof. A.K. Gupta, HOD (Env. Engg.), DTU	9313505567
22	Dr. Seema Singh, HOD (Humanities), DTU	9810790475
23	Dr. Rajan Yadav, HOD (DSM), DTU	9911346225
24	Prof. S. Indu, HOD (E & C), DTU	9868108678
25	Dr. Kapil Sharma, HOD (Deptt. of I.T.)	9717470444
26	Prof. R.S. Mishra, HOD (Mechanical & Production Engg.), DTU	9891079311
27	Dr. Rajni Jindal, HOD (Comp. Sc. & Engg.), DTU	
28	Prof. Madhusudan Singh, HOD (Elec. Engg.), DTU	9968404221
29	Prof. Nirendra Dev, HOD (C.E.), DTU	9999399375
30	Prof. Rakesh Kumar, Professor, Civil Engg. Deptt.	

S. No.	Name & Designation	Contact No.
31	Prof. Narendra Kumar-I, Professor, Elec. Engg. Deptt.	
32	Prof. Naveen Kumar, Professor, Mech. Engg. Deptt.	
33	Dr. M.M. Tripathi, Prof., Elec. Engg. Deptt.	
34	Dr. Nitin Puri, Assistant Prof., Deptt. of Physics	
35	Sh. Kamal Pathak, Controller of Examination, DTU	
36	Dr. R.S. Walia, HOD, T & P, DTU	9717325233
37	Prof. Samsher, Registrar, DTU	

The term of members of the Academic Council other than Ex-Officio members shall be three years.

1.6 Administration

S. No.	Name	Designation	E Mail ID
1	His Excellency, Lt. Governor Govt. of NCT Delhi	Chancellor	
2	Prof. Yogesh Singh	Hon'ble Vice Chancellor	
3	Prof. S. K. Garg	Pro - Vice Chancellor	skgarg@dce.ac.in
4	Prof. Anu Singh Lather	Pro - Vice Chancellor	pvc@dtu.ac.in , anusinghlather@gmail.com
5	Prof. Samsher	Registrar	registrar@dtu.ac.in
6	Sh. R. K. Shukla	Link Officer to Registrar	ramakant.shukla@gmail.com
7	Sh. Anil Kumar	Deputy Registrar (Acad-PG and IRD), Link Officer to PIO	sampark2anil@gmail.com
8	Dr. Ravinder Kaushik	Deputy Registrar , PIO	rkaushikdtu@gmail.com
9	Sh. Kamal Pathak	Recruitment & Estt, Legal	coe.dtu@dce.ac.in
10	Prof. Vipin	Chief Vigilance Officer	vipin@dce.ac.in
11	Sh. Anoop Lather	Public Relations Officer	anooplather@gmail.com
12	Prof. Pragati Kumar	Suptd. (Exam)	pragati.kumar@dce.edu
13	Prof. Narendra Kumar II	Chief Warden & Chairman BOD	narendrakumar@gmail.com
14	Sh. Bimal Jain	Chief Project Officer / Estate Officer	eecivildtu@gmail.com
15	Sh. Madhukar Chelukari	OSD (Results)	madhukar@dtu.ac.in
16	Dr. Mukhtiyar Singh	OIC , B.Tech (Eve)	mukhtiarsingh@dce.ac.in
17	Dr. Rajeshwari Pandey	Associate Dean (Academic - UG)	aracademic@dtu.ac.in
18	Dr. S.G. Warker	Associate Dean (SW)	sudhirwarkar@gmail.com
19	Sh. Vinod Bhandari	Assistant Public Information Officer	rticell2016@gmail.com

S. No.	Name	Designation	E Mail ID
20	Dr. Vivek Tripathi	Assistant Registrar (International Affairs)	genevivek@rediffmail.com
21	Dr. Nitin Puri	Transport Officer, Security Officer	nitin.phy@dce.edu
22	Dr. Raj Kumar Singh	OIC , Workshop	rajkumarsingh@dce.ac.in
23	Sh. Rajesh Rohilla	Officer In-charge, Guest House	rajesh@dce.ac.in
24	Sh. Rajesh Birok	OIC , Health Centre	rbirok@gmail.com
25	Prof. A.K. Gupta	Coordinator , TEQIP - III	akgupta@dce.edu
26	Dr. D.K. Vishwakarma	OIC (Secrecy) , OIC (GA)	dinesh@dtu.ac.in
27	Dr. Anil Singh Parihar	Additional Incharge (Secrecy)	anil@dtu.ac.in

1.7 INTERNAL QUALITY ASSURANCE CELL (IQAC)

S. No.	Name	Designation
1.	Hon'ble Vice Chancellor, Prof. Yogesh Singh	Chairperson
2.	Prof. Narendra Kumar, Dept. of Electrical Engineering, Director (IQAC)	Member Secretary
3.	Prof. S.k Garg, Pro Vice Chancellor	Member
4.	Prof. Vishal Verma, Dean (PG)	Member
5.	Prof. Madhusudan Singh, Dean (UG)	Member
6.	Dr. Vipin, Controller of Exams.	Member
7.	Prof. Nirendra Dev, Head, Dept. of Civil Engineering	Member
8.	Prof. Samsher, Registrar	Member
9.	Sh. Manoj Sethi, Programmer, Dept. of Computer Engineering, Associate Director (IQAC)	Member
10.	Sh. Rajesh Rohilla, Dept of E&C, Associate Director (IQAC)	Member
11.	Dr. Rajan Yadav, Associate Professor, Associate Director (IQAC)	Member
12.	Prof. S.G. Deshmukh, Director, IIITM Gwalior	External Expert Member
13.	Sh. Sanjeev Kumar Gupta, Managing Director (Corporate Affairs), Accenture Services pvt. Ltd., Gurgaon	External Expert Member
14.	Sh. Arun Gupta, Alumni, C-10/6, Sector-17, Rohini, Delhi.	External Expert Member

2 Academic and Non-academic Staff

2.1 Academic Staff

S. No.	Department	Prof.	Associate Prof.	Assistant Prof.	Programmer	Total
1.	Applied Chemistry	03	01	11	00	15
2	Applied Mathematics	03	05	05	00	13
3	Applied Physics	04	00	16	00	20
4	Biotechnology	04	00	03	00	07
5	Civil Engineering	08	09	09	00	26
6	Computer Science and Engineering	00	04	20	00	24
7	Delhi School of Management	03	00	05	00	08
8	Electronics and Communication Engineering	08	05	14	00	27
9	Electrical Engineering	16	06	13	00	35
10	Environmental Engineering	03	00	05	00	08
11	Humanities	00	01	03	00	04
12	Mechanical Engineering	17	10	15	00	42
15	Computer Centre	00	00	00	02	02
	Total	**69**	**41**	**119**	**02**	**231**

2.2 Non-academic Staff

Administrative Block Permanent/ Deputation		Non-Technical		Technical		Total
		Permanent/ Deputation	Contract	Permanent/ Deputation	Contract	
1	Sr. Accounts Officer (on Deput.)	01	00	00	00	1
2	Accounts Officer (on Deput.)	02	00	00	00	2
3	Assistant Accounts Officer (on Deput.)	03	00	00	00	3
4	Section Officer (On Deput.)	00	01	00	00	1
5	Chief Store Keeper	01	00	00	00	1
6	Assistant Store Keeper	00	02	00	00	2
7	Draughtsman	01	00	00	00	1
8	Foreman	08	00	00	00	8
9	Console Operator	02	00	00	00	2
10	Sr. Mechanic	00	00	22	03	25
11	Sr. Mechanic GP-I	00	00	00	09	9
12	Sr. Mechanic GP-II	00	00	00	05	5
13	Sr. Mechanic GP-III	00	00	00	03	3
14	Sr. Mechanic GP-V	00	00	00	04	4
15	Sr. Mechanic GP-VI	00	00	00	01	1

Administrative Block Permanent/ Deputation		Non-Technical		Technical		Total
		Permanent/ Deputation	Contract	Permanent/ Deputation	Contract	
16	Jr. Mechanic	00	00	15	08	23
17	Counter Assistant	00	00	03	02	5
18	Lab Attendt.	00	00	00	00	0
19	Library Attendt.	01	00	00	00	1
20	Assistant Librarian	00	01	00	00	1
21	PS to VC	00	01	00	00	1
22	Senior Office Assistant	00	02	00	00	2
23	Junior Office Assistant	00	36	00	00	36
24	Office Assistant	00	04	00	00	4
25	Assistant Programmer	00	03	00	00	3
26	Network Assistant	00	02	00	00	2
27	Technical Assistant	00	00	00	05	5
28	Junior Technical Assistant	00	00	00	21	21
29	SO to VC	00	01	00	00	1
30	Contractor	00	01	00	00	1
31	Documentalist	00	01	00	00	1
32	Gest. Operator3	01	00	00	00	1
33	Stenographer	00	01	00	00	1
34	Stenographer Grade - II (On Deput.)	01	00	00	00	1
35	Multi Tasking Staff	03	00	00	00	3
36	Messenger	01	00	00	00	1
37	Daftri	01	00	00	00	1
38	Chowkidar	04	00	00	00	4
39	Farash	02	00	00	00	2
40	Peon	05	00	00	00	5
41	Mali	01	00	00	00	1
42	Driver	00	03	00	00	3
43	Safai Karamchari	12	00	00	00	12
44.	Consultants	00	23	00	00	23
	Total	**50**	**82**	**40**	**61**	**233**

3 Academic Programmes

3.1 Undergraduate Courses

S. No.	Department	B. Tech. Programme	Duration	Sanctioned Intake	Year of starting	Total No. Enrolled
1	Applied Chemistry	Polymer Science & Chemical Technology	4 Years	62	1999	54
2	Applied Mathematics	Mathematics and Computing	4 Years	95	2009	94
3	Applied Physics	Engineering Physics	4 Years	95	2009	76
4	Bio-technology	Bio-technology	4 Years	34	2004	14
5	Computer Science and Engineering	Computer Engineering	4 Years	362	2009	362
		Information Technology	4 Years	122	2003	121
		Software Engineering	4 Years	94	2009	93
6	Civil Engineering	Civil Engineering	4 Years	122	1986	121
7	Electronics & Communication Engineering	Electronics & Communication Engineering	4 Years	185	1986	184
8	Electrical Engineering	Electrical Engineering	4 Years	140	1986	139
		Electrical & Electronics Engineering	4 Years	95	2009	94
9	Environmental Engineering	Environmental Engineering	4 Years	62	1999	45
10	Mechanical Engineering	Mechanical Engineering	4 Years	186	1986	185
		Production & Industrial Engineering	4 Years	48	1999	47
		Auto-Mobile Engineering	4 Years	94	2009	90
	Total			**1797**		**1719**
	Total NRI candidate					**69**
	Grand Total-					**1788**

3.2 Post Graduate Courses

Sl. No.	Department		M. Tech. Programme	Duration	Sanctioned annual intake	Year of starting	Total student strength
1	Applied Chemistry	(a)	Polymer Technology	2 years	25	1986	7
2	Applied Physics	(a)	Nano Science & Technology	2 years	21	2009	10
		(b)	Nano Nuclear science & Technology	2 years	23	2012	3
3	Biotechnology	(a)	Bioinformatics	2 years	25	2010	3
		(b)	Bio Medical Engineering	2 years	23	2013	9
		(c)	Industrial Biotechnology	2 years	24	2013	10
4	Computer Science and Engineering	(a)	Computer Science & Engg.	2 years	25	2009	20
		(b)	Software Engg.	2 years	25	2009	20
		(c)	Information Technology	2 years	25	2009	17
5	Civil Engineering	(a)	Civil Engg. (Geotechnical Engineering)	2 years	25	1965	20
		(b)	Civil Engg. (Hydraulic & Flood Control)	2 years	24	1989	19
		(c)	Civil Engg. (Structural Engineering)	2 years	25	1965	19
6	Electronics & Communication Engineering	(a)	Signal Processing & Digital Design	2 years	25	1989	17
		(b)	Microwave & Optical Communication	2 years	25	2009	13
		(c)	VLSI Design and Embedded System	2 years	25	2009	22
7	Electrical Engineering	(a)	Electrical Engg. (Control & Instrumentation)	2 years	25	1989	20
		(b)	Electrical Engg, (Power System)	2 years	25	2009	22
8	Environmental Engineering	(a)	Environmental Engineering	2 years	25	2013	20
9	Mechanical Engineering	(a)	Mech. Engg. (Thermal Engineering)	2 years	25	1971	22
		(b)	Mech. Engg. (Production Engg.)	2 years	25	1971	20
		(c)	Mech. Engg. (Renewable Energy Tech.)	2 years	22	2013	6
		(d)	Mech. Engg. (Computational Design.)	2 years	23	2013	6
10	Delhi School of Management	(a)	MBA	2years	120	2009	80
			EMBA	2years	60	2009	35
						Total	440

3.3 Ph.D. Programmes

Sl. No.	Course	Branch	Admmision
1.	Ph.D.	Electronics & Communication Engineering (EC)	16
2.	Ph.D.	Computer Engineering and Software Engineering	13
3.	Ph.D.	Mechanical Engineering and Production & Industrial Engineering	67
4.	Ph.D.	Electrical Engineering	22
5.	Ph.D.	Civil Engineering (CE)	15
6.	Ph.D.	Environmental Engineering (ENE)	4
7.	Ph.D.	Applied chemistry, Polymer Technology and Chemical Engineering	7
8.	Ph.D.	Bio-Technology (BT)	3
9.	Ph.D.	Humanities	2
10.	Ph.D.	Applied Physics	16
11	Ph.D.	Applied Mathematics	11
12.	Ph.D.	Management	7
Total			183

3.4 TRFs and PDFs

Teaching cum Research Fellowship (Doctoral & Post Doctoral)

No TRFs and PDFs have been admitted during 2016-17

4 Academic Departments

4.1 Department of Applied Chemistry

Academic Staff: 15; Students Admitted: UG - 54, PG - 07, Ph.D -07;
Publications: Journals – 71, Book- 03, Conference/Symp.- 4

1. Salient Features

Established in 1941 as Delhi Polytechnic, Department of Applied Chemistry was also established as a subsidiary department to cater to the needs of engineering students. It continued as a helping department at old St. Stephens College at Kashmere Gate till 1986 when a new postgraduate course of M.E Polymer Technology was started in the department after the due approvals of then AICTE and University of Delhi. In 1997, the department of Applied Chemistry was shifted to the new campus of Delhi College of Engineering. In 1998, the department had started a new four year course of B.E Polymer Science and Chemical Technology. Till date, the Department has produced nearly 60 Ph.Ds, 230 M.E./M. Tech. students and 400 B.E./BTech students. The teachers of the Department have published more than 600 research papers in national and international journals of repute. The Department has well – established laboratories in Applied Chemistry, Polymer Science and Chemical Technology along with several research laboratories and one CAD lab. The department is actively involved in research in the areas of Chemistry, Polymer Science and Chemical Technology. The department has collaborations with reputed national and international industries, institutes and universities.

2. Academic Staff

Professors: 03

Dr. Archna Rani, Head of the Department Ph.D. Organic Chemistry, Email archanarani@dce.ac.in

Dr. R. C. Sharma (Retd.) Ph.D. Electro Solution Chemistry, Molten Electrolytes, Email rchsharma@dce.ac.in

Dr. D. Kumar, Ph.D. Polymer Science & Technology, Email dkumar@dce.ac.in

Associate Professors: 01

Mr. Sudhir Gopalrao Warker, M.Sc. Inorganic Chemistry & Co-ordination Polymers, Email sudhirwarkar@gmail.com

Assistant Professors: 11

Dr. Ram Singh, Ph.D.Medicinal Chemistry, Neurochemistry, Natural Products and Total Synthesis, Email ramsingh@dtu.ac.in

Dr. Richa Srivastava, Ph.D. Organic Synthesis, Supramolecular Chemistry, Biomimetic Reactions, Email sri_richa@rediffmail.com

Dr. Saurabh Mehta, Ph.D. Organic synthesis (conventional and combinatorial), Bioorganic and Medicinal chemistry, etc. Email:saurabh.dtu@gmail.com

Dr. Anil Kumar, Ph.D. Bioinorganic Chemistry, Solar Cell, Cell Imaging molecules, Electronic structure calculation using G03 suite program, Email asl213@gmail.com

Dr. Deenan Santhiya, Ph.D. Nano-Biotechnology, Biosynthesis of nanopatterned materials, Environmental Biotechnology, Surface chemistry Email deenan.santhiya@gmail.com

Dr. Raminder Kaur, Ph.D. Reaction Engineering, Polymer Composites, Bio-based Polymers, Email raminderkaur@dce.ac.in

Dr. Roli Purwar, Ph.D., Biopolymers, Polymeric membranes, wound dressing materials, protective textile materials, Natural Materials and their Application on textiles, Effluent Treatment, Email roli.purwar@dce.edu

Dr. Poonam, Ph.D. Materials Chemistry, Email: poonam@dtu.ac.in

Dr. Manish Jain, Ph.D. Chemical Engineering, Membrane Based Separation Processes, Forward Osmosis, Pressure Retarded Osmosis, Pervaporation, Transport Phenomena, Email: manishjain@dtu.ac.in

Dr. Jay Singh, DST-Inspire Faculty, PhD, Specialization: Nanomaterials Synthesis and Characterization, Polymer modification, Bioelectrode Fabrication, Nanobiosensors, Drug delivery, clinical diagnosis.

Dr. Chandra Mouli Pandey, DST-Inspire Faculty, Ph.D, Materials Chemistry, Electrochemistry, Analytical Chemistry, Email: cmp.npl@gmail.com

3. Honors and Awards to Faculty Members

Nil

4. Visit of Faculty Members to Other Institutions

Nil

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

Faculty Name	Details of Conference/Seminar/ Symposia / Workshop/ Guest Lecture	Venue	Dates
Prof. Archna Rani	Technical conference organized under TATVA 2017, a Technical fest of Department of Applied Chemistry and Polymer Technology,	DTU	Feb 12, 2017
	International conference and workshop on drug design	JNU, New Delhi	April 4-9, 2017
	Attended special lecture on polymer rheology, particle size analysis and Zeta potential organized by Department of Applied chemistry	DTU	Sept. 7, 2016
Dr. Richa Srivastava	Green and sustainable synthesis of nanoparticles- The 104th Indian Science Congress 2017	S.V. University, Tirupati	January 3-7, 2017
Dr. Ram Singh	Green and sustainable synthesis of nanoparticles- The 104th Indian Science Congress 2017	S.V. University, Tirupati	January 3-7, 2017
	National Conference on Advances in Multidisciplinary Aspects of Science & Engineering	Deenbandhu Chhotu Ram University of Science & Technology, Murthal	November 23, 2016
	International Conference on Advanced Production and Industrial Engineering	DTU	December 9-10, 2016
	104th Indian Science Congress 2017	S.V. University, Tirupati	January 3-7, 2017
	10th National conference on Solid State Chemistry and Allied areas	DTU	July 1-3, 2017

Dr. Saurabh Mehta	TEQIP sponsored one-week Faculty Development Programme on "Environmental Pollution: Monitoring & Control".	DTU	Oct. 24-28, 2016
	TEQIP sponsored one-week Short Term Training Programme on Research Methodology	DTU	December 14-18, 2016
	Technical conference organized under TATVA 2017, a Technical fest of Department of Applied Chemistry and Polymer Technology,	DTU	Feb 12, 2017
	International conference and workshop on Drug Design	JNU, New Delhi	April 7-9, 2017
Dr. Roli Purwar	44th Textile Research Symposium, Organized by IIT Delhi	Delhi	Dec 2016
	National conference on " Clean and Green energy: Chemical and environmental aspects" organized by Bhaskaracharya College of Applied Science, University of Delhi	Delhi	Feb 2017
	International Conference on Nanomaterials and Nanotechnology a global platform for smart nanotechnology" Organized by Vinoba Bhave Research Institute, Allahabad	Allahabad	March 2017
	Chaired Session in 2 days Indo German International Seminar on "Plastic Recycling-A circular Economy and Plastics in Medical Devices/ Applications,	Delhi	March 2017
Dr. Raminder Kaur	National conference on Clean And Green Energy : The Chemical And Environmental Aspects	Indian Institute of Technology, Delhi	February 16-17, 2017
	NANO INDIA 2017: A National Conference	Bhaskaracharya College , DU	March 15-16, 2017

6. Participation of Faculty in Short Term Courses

Name of Faculty	Name of Courses	Place	Dates
Dr Richa Srivastava	Recent Trends in Geoenvironmental Engineering organized by during	Civil Engineering Department at DTU	April 18-22, 2016.
	Research & Publication	Department of Humanities, DTU	25-29 July 2016.
Dr. Roli Purwar	Automation in Manufacturing	Mechanical Engineering, DTU	04-15 May 2015.
	Automation in Manufacturing	Mechanical Engineering, DTU	04-15 May 2015.
Dr. R. Kaur Mr. S. G. Warkar	Automation in Manufacturing	Mechanical Engineering, DTU	04-15 May 2015.
	Automation in Manufacturing	Mechanical Engineering, DTU	04-15 May 2015.
Dr. Ram Singh	Recent Trends in Geoenvironmental Engineering organized by during	Civil Engineering Department at DTU	April 18-22, 2016.
	Research & Publication	Department of Humanities at DTU	25-29 July 2016.
	Automation in Manufacturing	Mechanical Engineering, DTU	04-15 May 2015.

Dr. Anil Kumar	Research & Publication	Department of Humanities at DTU	25-29 July 2016.
Dr. D. Santhiya Dr Richa Srivastava	Research & Publication	Department of Humanities at DTU	25-29 July 2016.
	Recent Trends in Geoenvironmental Engineering organized by during	Civil Engineering Department at DTU	April 18-22, 2016.
	Research & Publication	Department of Humanities, DTU	25-29 July 2016.
	Automation in Manufacturing	Mechanical Engineering, DTU	04-15 May 2015.

7. Conference/Seminar/Symposia/Workshops Organized by the Department

Nil

8. (i) Completed Sponsored Research Projects

Principal Investigator	Title of Project	Sponsoring Agency	Outlay (amount in Lakhs of Rupees)
Dr. Saurabh Mehta	Comprehensive Structural Adddenalysis of Bromodomain Epigenetic Drug Targets for the Design of Novel Selective Small Molecule Drugs	DBT, Govt. of India	23,97,287/-

9. Important Professional Affiliations:

Prof. Archna Rani

- Member, Editorial Board, Rasayan Journal of Chemistry
- Life member Indian society for Technical Education (ISTE)
- Life Member Indian Chemical Society (ICS)
- Annual Membership American Chemical Society (ACS)

Dr. Ram Singh

- International Science Congress Association, India – Fellow Member (ISCA-FM-99)
- International Society for Neurochemistry- Full Member, Account Number (14075)
- The Indian Science Congress Association, Kolkata, India – Life Member (L12816)
- Indian Academy of Neurosciences - Life Member (LS-182)
- International Brain Research Organization – Life Member
- Indian Society of Analytical Scientists – Life Member (LMT2008/18)
- Association of Chemistry Teachers – Life Member (LM-947)
- World Association of Young Scientist – Member
- Scientists Without Borders - Member
- Brilliant Uniflow of Talents and Intelligence (BUTAI): Honorary President
- Vijnana Bharati - Life Member (ID: 1495) (2017)

- Asian Journal of Chemistry: Member, Editorial Board (from Jan 2010)
- American Journal of Organic Chemistry: Member, Editorial Board (from Dec 2011)
- Organic Chemistry Letters: Editorial Advisory Board (from August 2013)
- CIBTech Journal of Pharmaceutical Sciences (CJPS) (from January 2014)

Dr. Richa Srivastava

- The Indian Science Congress Association, Kolkata, India – Life Member
- Indian Society of Analytical Scientists – Life Member
- Research Journal of Biotechnology – Life Member

Dr. Saurabh Mehta

- Indian Society of Analytical Scientists – Life Member
- MOJ Bioorganic & Organic Chemistry (MOJBOC), USA: Associate Editor (from Feb. 2017)

Dr Roli Purwar

- Textile Engineers Society
- Indian Plastic Institute
- Elastomer Technology Development Society
- Indian Rubber Institute

10. Books:

Book Chapters

1. Ram Singh and Geetanjali; Chapter 16. Whey proteins and its value-added applications; Protein Byproducts: Transformation from environmental burden into value-added products; Ed. GS Dillon (First Edition); ISBN - 10: 0128023910; ISBN - 13: 9780128023914; Academic Press, 2016.
2. Shankar Suman, Ram Singh and Geetanjali; Chapter 9. Synthesis of Heterocyclic Based Potential Ionophores; Biomedical and Environment; Ed. Vandana; Campus Books International; ISBN – 978-81-8030-479-8, 2016.
3. Raminder Kaur, Monika Duhan, “Polyaniline as an Inceptive Dye Adsorbant from Effluent”,Advanced Materials for Wastewater Treatment , 2017 (John Wiley Scrivener USA)

4.2 Department of Applied Mathematics

Academic Staff: 13, Students Admitted: UG 94, PG: 00, Ph.D. 11, Publication: Journals: 27, Book- 01, Conference/Symp. 10

1. Salient Features

Mathematics is the base of all engineering as well as technological branches. A sound knowledge of mathematical tools makes a technocrat to excel in his profession. In fact the "Industrial Mathematics", a branch of Applied Mathematics, which is relevant for contemporary technological problems, is not only the queen of all sciences but is also the mother of all technologies. The Department of Applied Mathematics offer courses to undergraduate and postgraduate students of various engineering disciplines. The syllabi have been designed in the areas of Applied Mathematics, Computational Techniques and Statistics to impart sound knowledge of various mathematical tools and their applications in the engineering disciplines. Research Activities & Full Time Ph.D. Programs The department has the necessary expertise available in the following research areas of current interest : Information theory of its Applications, Graph theory, Numerical Simulation, Relativistic Cosmological Models, Complex Analysis, Algebra and Approximation Theory. A few full time Ph.D. scholarships are available in the above fields.

2. Academic Staff

Professors: 03

Dr. Sangita Kansal, Head of the Department, Ph.D., Category Theory and Petri nets, Sangita_kansal15@rediffmail.com

Dr. H.C. Taneja, M.Sc, M.Phil, Ph.D., Information Theory hctaneja@rediffmail.com , hctaneja@dce.ac.in

Dr. L.N. Das, M.Sc, Ph.D. Operations Research lndas@dce.ac.in

Associate Professors :05

Dr. Anjana Gupta, M.Sc, M.Phil, Ph.D., Optimization Techniques Guptaanjana2003@yahoo.co.in

DR. Chandra Prakash Singh, M.Sc, Ph.D. General Relativity and Cosmology, cpsphd@rediffmail.com

Dr. Ramesh Srivastava, M.SC, Ph.D., Numerical Simulation, rsrivastava@dce.ac.in

Dr. Naokant Deo, M.Sc, Ph.D., Approximation Theory, dr_naokant_deo@yahoo.com

Dr. S.Sivaprasad Kumar, M.Sc, M.Phil, Ph.D., Complex Analysis, spkumar@dce.ac.in

Assistant Professors : 05

Dr. Vivek Kumar Aggarwal, M.Sc. (IIT Roorkee), Ph.D., (IIT Kanpur) Numerical Analysis Vivekkumar.ag@gmail.com

Dr. Nilam, Ph.D. Mathematical Modelling Rathi.nilam@gmail.com

Dr. Dinesh Udar, M.Sc., PhD (IIT Delhi), dineshudar@dtu.ac.in

Mr. Rohit Kumar, M.Sc. (IIT Delhi), rohitkumar@dtu.ac.in

Goonjan Jain, B.E, M.tech, PhD (Pursuing), goonjanjain@dtu.ac.in

3. Visit of Faculty Members to Other Institutions

Name of Faculty	Name of Institute/Organization Visited	Purpose of Visit	Dates
Dr. S. S. P. Kumar	Indira Gandhi University, Meerpur, Rewari	Invited talk	28-08-2016
	Department of Mathematics, Delhi University	Conducting MPhil Viva voce test	02.09.2016
Dr. C.P. Singh	1. Presented paper entitled, "**A study on new agegraphic dark energy model in Brans-Dicke theory" in International Conference** on Differential Geometry, Algebra and Analysis.	Deptt. Of Mathematics, JMI, New Delhi.	15-11-16 to 17-11-16
	2. Delivered an invited talk on **" Dynamical Dark Energy Models in Accelerating Universe"**, in International Conference on 'Recent trends in Mathematical Sciences & Cosmology	Dept. of Mathematics, Govt. Model science College, Rewa, M.P.	17.12.16 to 19.12.16
	3. Presented paper entitled " Holographic dark energy models with future event horizon in Bran-Dicke theory" in 29th IAGRG Meeting	Deptt. Of Physics, IIT, Guwahati	18-05-2017 to 20-05-2017
Dr.Nilam	Lal Bahadur Singh SmarakMahavidyalaya, Bijnor, UP	Invited talk in INSPIRE Internship Camp of DST	28th July 2016
	Zakir Hussain Delhi College (University of Delhi), Delhi	Invited talk in National Workshop on Mathematical Modelling and Computational Techniques Using Mathematica	30-31 March 2017
	Wolfram Research USA and Scube Scientific Software Solutions, New Delhi	Invited talk in two day Wolfram Technology Conference	May 2017.

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

Name of Faculty	Details of Conference/Seminar/Symposia/ Workshops/Guest Lecture	Venue	Dates
Dr.Sangita Kansal	Fourth International Conference on Parallel, Distributed and Grid Computing-2016	JayPee University of Information Technology, Solan(H.P)	Dec. 22-24, 2016
Dr. Laxminarayan Das	Short term Course , organized by Department of Aerospace Engineering, Indian Institute of Technology, Bombay	IIT Bombay	18-23 June 2017
	TEQIP-II sponsored one week Faculty Development Programme on "Recent Trends in Pattern Analysis and Machine Learning", organized by Department of Electronics and Communication Engineering, Delhi Technological University, Delhi, July 11-to 15, 2016.	Department of Electronics & Communication Eng, DTU	July 11-15, 2016
Dr. S.S.P. Kumar	Participated and presented the paper entitled "Starlikeness criteria for certain analytic functions", in the International Conference of The Indian Mathematics Consortium (ICTIMC)	BHU	14-17 DEC 2016
Dr.Anjana Guipta	Symposium on Mathematical programming and Game theory" held during January 9-11, 2017 at Indian Statistical Institute (ISI), Delhi.	ISI, Delhi	January 9-11, 2017
	Delivered a invited talk in training programme on "Soft-Computing and Its Applications" in CEP programme at during 03-07 October 2016.	DRDO	03-07 October 2016.
	ONE DAY CURRICULUM REVISION & DEVELOPMENT WORKSHOP for B.Tech (Mathematics & Computing) (Under TEQIP - II	DTU	April 22, 2016
Rohit Kumar	IWM 2017 Conference	IIScBangluru	July 13-15, 2017
Dr. S. Sivaprasad kumar	One day Workshop on Curriculum revision and Development-2006, organized by department of applied Mathematics DTU, on April 22, 2016, participated as an expert/Resource person and reviewed the computation syllabus.	Applied Mathematics Department, DTU	April 22, 2016

5. Participation of Faculty in Short Term Courses

Name of Faculty	Name of Course	Place	Dates
H.C. Taneja	2. Statistical Methods & a Brief on LaTex	DTU	18-22, July 2016
Dr. D. Udar	Faculty Development program by Mechanical Department, DTU	DTU	03-14 July, 2017
Dr. S. S. P. Kumar	One Week STP on "Complex Anaysis, Fourier Analysis & Special Functions", organized by Department of Mathematics.	IIT Roorkee	6-10, March 2017
	Two Week FDP on "Advanced Manufacturing and Operations Management (AMOM-2017)", organized by Centre for Advanced production and Industrial Engineering Research, department of Mechanical, Production & Industrial and Automobile Engineering, DTU	DTU	03-14, July 2017
Dr. R. Srivastava	Two Week FDP on "Advanced Manufacturing and Operations Management (AMOM-2017)", organized by Centre for Advanced production and Industrial Engineering Research, department of Mechanical, Production & Industrial and Automobile Engineering, DTU	DTU	03-14, July 2017
Dr. Nilam	Participated in one week TEQIP - II sponsored Faculty Development Program on "Advances in Information Security"	Delhi Technological University	18-22, January 2016
	Participated as member in one day workshop on Curriculum revision and Development	Delhi Technological University	22, April 2016
	Participated in one week TEQIP - II sponsored Faculty Development Program on "Statistical methods and a brief on Latex"	Delhi Technological University	18-22, July. 2016
	Participated in one week workshop "E – resource: A Gateway for Research"	Delhi Technological University	5-9, September 2016
	Participated in two week TEQIP - II sponsored Faculty Development Program on "Advanced Manufacturing and Operations Management (AMOM 2017)"	Delhi Technological University	3-14, July 2017
Dr. Nilam	Organizing Committee member in International Conference on Advanced Production and Industrial Engineering (ICAPIE – 2016)	Delhi Technological University	9 -10 December 2016.

Name of Faculty	Name of Course	Place	Dates
Dr. Laxminarayan Das	TEQIP-II sponsored one week Faculty Development Program- "Statistical Methods & a brief on LaTex", organized by Department of applied Mathematics	Ambedkar Auditorium annexure, Smart Class Room, and SbFF5, Delhi Technological University	July 18-22, 2016
	International Conference Recent Advances in Mechanical Engineering (RAME-2016) Engineering mathematical assessment of buckling effect on the mechanical pumps column-beam structure during crude deportation through the bore well, Dr. L.N Das and Dr. R. K. Singh,	DTU	14-15 October 2016
	International Conference on Advanced Production & Industrial Engineering, IJAPIE	DTU	11&12 December, 2016
Dr. Laxminarayan Das	10th National conference on Solid State Chemistry & Allied areas sponsored by Indian Association of Solid State Chemistry & Allied Sciences, Presented Paper Title: Electric energy transmission constraint and congestion fulfilling material, Authors, L.N. Das and P.K. Swain.	DTU	1-3rd July 2017
Dr. S. Sivaprasad kumar	TEQIP-II sponsored one week Faculty Development Program- "Statistical Methods & a brief on LaTex", organized by Department of applied Mathematics	DTU	July 18-22, 2016
	Two Week FDP on "Advanced Manufacturing and Operations Management (AMOM-2017)", organized by Centre for Advanced production and Industrial Engineering Research, department of Mechanical, Production & Industrial and Automobile Engineering, DTU	DTU	03-14, July 2017
Dr. Sangita Kansal	Worked as chairperson in One week FDP on "Statistical methods & a brief on LaTex	DTU, Delhi	18-22 July 2016
	Worked as chairperson in One day workshop on Curriculum revision& development.	DTU, Delhi	22, April 2016
	One week FDP on "Statistical methods & a brief on LaTex	DTU, Delhi	18-22, July 2016

Name of Faculty	Name of Course	Place	Dates
Dr. Anjana Gupta	Two Week FDP on "Advanced Manufacturing and Operations Management (AMOM-2017)", organized by Centre for Advanced production and Industrial Engineering Research, department of Mechanical, Production & Industrial and Automobile Engineering, DTU	DTU	03-14, July 2017
	FDP under TEQIP-II On "Statistical Methods & a brief on LaTeX"	Department of Applied Mathematics, DTU	18.7.2016 to 22.7.2016

6. Visitors to the Department

Name	Affiliation	Purpose	Dates
Prof. A. Beesham	University of Zululand, South Africa	Research Collaboration	31.12.16 to 07.01.17

7. Conference / Seminar / Symposia / Workshops Organized by the Department

Organizing Secretary	Details of Conference/Seminar/Symposia/Workshops/ Guest Lecture	Venue	Dates
Dr. Anjana Gupta	One day Workshop on Curriculum revision and Development-2006, organized by department of applied Mathematics DTU, on April 22, 2016, participated as an expert/Resource person and reviewed the computation syllabus.	Applied Mathematics Department, DTU	April 22, 2016
Dr. S. Sivaprasad Kumar	TEQIP-II sponsored one week Faculty Development Program- "Statistical Methods & a brief on LaTex", organized by Department of applied Mathematics, Delhi Technological University, July 18-22, 2016.	DTU	18-22, July 2016

8. List of Candidates Awarded Ph.D. Degree

Name of Students	Name of Supervisor	Nationality	Gender (Male/ Female)	Category (Gen/SC/ ST/PD)	Title of Thesis
Minakshi	Naokant Deo	Indian	Female	Gen	
Vijay Singh	Dr.C.P.Singh	Indian	Male	Gen	Study of cosmological models in modified theories of gravitation
Pankaj Kumar	Dr.C.P.Singh	Indian	Male	Gen	A Study on accelerating cosmological models of the universe
Saloni Rathee	Dr.Nilam	Indian	Female	Gen	Mathematical Modeling Of Diabetes

9. Important Professional Affiliations:

Dr. H. C. TANEJA

- Member American Mathematical Society.
- Life member of the Indian Society for Information Theory and its
- Applications.
- Life member of Indian Society of Technical Education.
- Member International Association of Engineers (IAENG).
- Member Society For Industrial and Applied Mathematics (SIAM)
- Life member of Forum for Interdisciplinary Mathematics.

Dr. Sangita Kansal

- Life member of "Ramanujan Mathematical Society".
- Life member of "Academy of Discrete Mathematics & Applications".

Dr. 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

Dr. R. Srivastava

- Life member of ISMAS
- Member of SIAM

Dr. Naokant Deo

- Member of American Mathematical Society (AMS), USA.
- Member of Research Group in Mathematical Inequalities and Applications (RGMIA), Melbourne, AUSTRALIA.
- Senior member of World Academy of Young Scientists (WAYS), Budapest, HUNGARY.
- Life member of Indian Mathematical Society (IMS), INDIA.

Dr. C. P. Singh

- Life member of Indian Association for General Relativity and Gravitation, IUCAA, Pune.
- Life member of Astronomical Society of India.
- Life member of Mathematical Society of India.

Dr. Anjana Gupta

- Completed Chartered Management Institute (CMI) Level 5 Certicate in Management and Leadership (UKIERI India and AICTE collaboration)
- Observer for Pre Test Feedback on Examination Centre for Common Management Admission Test CMAT and Graduate Pharmacy Aptitude Test (GPAT) 2016 on 15.01.2016 CMAT/NWRO/DEL/ Apex Academy , PU Block, PitamPura, Delhi-110034

Books:

Dr.Nilam

Previous Years Solved Questions papers of Engineering Mathematics & General Aptitude for GATE, Pearson

4.3 Department of Applied Physics

Academic Staff: 20; Students Admitted: UG- 76, PG- 13, Ph.D. 16; Publications: Journal Papers- 143, Conference/ Symp. 66 Ongoing Projects: 17, Patent 01

1. Salient Features

75 Years of tradition of excellence in Engineering & Technology Education, Research & Innovations, Delhi College of Engineering (DCE), (initially established as Delhi Polytechnic) came into being in the year 1941 to cater the needs of Indian industries. In 1952, the college was affiliated with university of Delhi and started formal degree level programmes in various branches of engineering. Applied Physics Department is established to support academic program offered by all engineering departments. From July 2009, the DCE has become Delhi Technological University vide Delhi act 6 of 2009.

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. As a result, this department offers.

i) **B.Tech. in Engineering Physics:**

This four year "B.Tech. in Engineering Physics" program covers the various interdisciplinary areas in physical sciences and emerging areas of engineering such as Nano Science and Technology, Microelectronics, Photonics, Quantum Information systems and Robotics etc. The Department offers a Major in Electronics and Minors in one of the following electives namely Nanoscience and Technology, Photonics, Space and Atmospheric Sciences, Plasma Science and Technology, Nuclear Engineering, Robotics and Intelligent Systems to cater the growing demand of industries and provide them a sound platform enabling them to pursue higher studies and research, hence specialize in fields of their choice. The program in Engineering Physics equips students with the fundamental knowledge of physics together with problem solving skills and understanding, which allows them to seek innovative careers in today's fast changing technological age.

ii) **M.Tech in Nanoscience and Technology (NST):**

This two year "M.Tech. Nanoscience and Technology (NST)" is designed in a manner so that students are trained to various aspects of Nanomaterials, their latest development, synthesis and characterization including the design and development of nano scale optical and electronic devices. This program equips young engineers and scientist with diverse background to excel in the emerging areas of nano science and technology. Students of M.Tech (NST) have the opportunity to do their projects and internships at National Physical laboratory under DTUNPL collaboration program.

iii) **M.Tech. in Nuclear Science and Engineering (NSE):**

This two year M.Tech. program in Nuclear Science and Engineering (NSE) deals with designing, implementation, and maintenance of different systems that are related to nuclear fusion and nuclear fission. Nuclear engineers are those significant professionals who make this world a better place to live in for the mankind by harnessing the power of the atom and making it useful through transferring

energy to power houses and businesses without producing greenhouse gases. They apply their expertise of mathematics, physics, and engineering to tackle several social and environmental issues by deriving benefits from nuclear energy and radiation. These great individuals devise how to use radioactive materials in manufacturing, agriculture, medicine, power generation, and several other ways. Their field of work revolves around nuclear plants for power generation, nuclear power sources for military or space vehicles, systems for disposal of radioactive waste, equipment used in nuclear medicine to image the human body and destroy cancer cells, sterilize food and medical equipment, and create new pest or drought-resistant seeds for effective cultivation.

iv) **M.Tech. in Microwave and Optical Communication Engineering (MOCE):**

This two year "M.Tech. program in Microwave and Optical Communication Engineering (MOCE)" is offered from Applied Physics Department in association with Electronics and Communication Engineering Department. This program equips young engineers and scientist to design, develop and innovate the new and changing configuration of microwave and optical fiber based telecommunication systems and networks.

Doctoral Programme

Along with B.Tech. and M.Tech.academic programs, the department of Applied Physics is known for its academic excellence and enthusiastic Research and Development in thrust areas leading to large number of research publications in the leading national and international journals of high impact factors. Currently, about 50 full time Ph.D. students are doing research in the following major areas

- Plasma Physics/Plasma Applications, Nanotechnology, High Power Microwave Devices, Dusty Plasma/Strongly Coupled Dusty Plasma, THz Radiation/ Emission, Short Pulse Laser and Plasma Medicines
- Interaction of Intense, Femto second Laser field with atoms and molecules involving Multiphoton linear and nonlinear processes, Atomic Structure Calculations and Raman Spectroscopy
- Thin Films and Material Science
- Fiber Optics and Optical Communication covering all branches of Photonics, Photonic Crystals, Metamaterials and Plasmonics
- Microelectronics and Semiconductor Device Modeling and Simulation
- Solar Cells Modeling and Simulation
- Synthesis and Applications of Carbon Nano Materials, Graphene and Diamond
- Synthesis and Characterization of 2-D layered Materials and their vDW heterostructure
- Fluorescence Spectroscopy
- Energy Storage and Conversion Devices (Li+/Na+ Batteries, Fuel Cells, Solar Cells and Super Capacitor etc.), Ferroelectric Materials, Multiferroic Materials, Thermoelectric Materials
- Sensors, Biosensors, Ion Beam modification of materials, nanomaterials, Accelerator Physics
- Experimental Atomic Physics, X-ray Spectroscopy

2 Academic Staff:

Professors: 04

Dr. Suresh Chand Sharma, Head of the Department M.Sc, M.Phil, Ph.D., Plasma Physics/Plasma Applications, Nanotechnology, High Power Microwave Devices, Dusty Plasma/Strongly Coupled

Dusty Plasma, THz Radiation Emission /Short Pulse lasers, Email: suresh321sharma@gmail.com prof_sureshsharma@dtu.ac.in

Dr. Ravindra Kumar Sinha (On Lien), M.Sc, Ph.D. Fibre optics, optical communication, nanophotonics: devices & components based on photonic crystals & meta-materials Email: rksinha@dce.edu dr_rk_sinha@yahoo.co.in

Dr. Rinku Sharma, M.Sc, Ph.D. Email: rinkusharmagtbit@gmail.com

Dr. Allam Srinivasa Rao, Ph.D. Solid state spectroscopy and atmospheric sciences.

Assistant Professors: 16

Mr. Vinod Singh, M.Sc, Synthesis and characterization of functional nanomaterials and explore their size dependent properties and applications, Email: vinod.phy@dce.edu, vinodsingh@dce.ac.in

Dr. Ajeet Kumar, Ph.D. Fiber optics, integrated optics, solar energy, Email: ajeet.phy@dce.edu ajeetdph@gmail.com

Dr. Nitin Kumar Puri, Ph.D. Nano structured materials & thin films, high energy heavy ion beams induced structure modifications & atomic displacements, material characterization (XRD, AFM, SEM, TEM), x-ray spectroscopy Email: nitin.phy@dce.edu nitinpuri2002@yahoo.co.in

Dr. Amrish Kumar Panwar, M.Sc, Ph.D. Energy storage & conversion devices, surface modification, wetting, adhesion, coating, & bio-compatible materials, thermo-electric materials, muliti-ferriocmaterials, nanotechnology Email: amrish.phy@dce.edu panwaramar@gmail.com

Dr. M. Jayasimhadri, Ph.D. Optical/ fluorescent spectroscopy, solid state physics, material science, nanotechnology Email: jaya.phy@dce.edu jayaphysics@yahoo.com

Dr. Yogita Kalra, Ph.D. Fiber and integrated optics, nano photonics, photonic crystals and their device applications Email: yogita.phy@dce.edu dryogitakalra@gm

Dr. Rishu Chaujar, Ph.D. Semiconductor device modeling simulation, analysis of mosfets & hemts for RF & wireless applications Email: rishu.phy@dce.edu, rishuchaujar@rediffmail.com

Dr. Mohan Singh Mehata, Ph.D. Flourescent spectroscopy, quantum dots, organic leds, thin films Email: mohan.phy@dce.edu

Dr. Pawan Kumar Tyagi, Ph.D. Carbon nanotubes: field emitters, graphene synthesis, hpht diamonds, single crystal diamond synthesis. Email: pawan.phy@dce.edu, tyagi_pawan@yahoo.co.in, pawankumartyagi@gmail.com

Dr. Bharti Singh, M.Sc, PhD Thin films and Nanostructures deposition techniques, Resistive Memory Devices, 2D layered materials, synthesis using CVD, Piezoelectricity Email: bhartisingh@dtu.ac.in

Deshraj Meena M.Sc, PhD Email: deshrajmeena@dtu.ac.in

Renuka Bokolia M.Sc, Ph. D. Ferroelectric ceramics, Upconversion luminescence, Phosphors, Dielectric materials, Optical temperature sensors Email: renukabokolia@dtu.ac.in

Dr. Sarita Baghel, M.Sc, Ph.D Solar cells, solar energy materials Email:saritabaghel@dtu.ac.in

Yogendra Kumar Meena, M.Sc Email: yogendra.meena@dtu.ac.in

Dr. Richa Sharma, M.Sc., Ph.D., Multiferroic Magnetoelectric Composites, Thermoelectric Materials Email: richasharma@dtu.ac.in

Dr. Mukhtiyar Singh, M.Sc., Ph.D. Email: mukhtiyarsingh@dtu.ac.in

3. Honors and Awards to Faculty Members

- Chairman, three days International workshop on "Fundamentals of Radiological Source Security" in association with King's College London (KCL), University of London, 4-6 September, 2017.
- Chairman, three days 10th National Conference on 'Solid State Chemistry and Allied Areas (ISCAS- 2017)' in association with Indian Association of Solid State Chemists and Allied Scientists, July 1- 3, 2017 organized by the Department of Applied Physics, Delhi Technological University (DTU), Delhi
- Chaired a session on August 18, 2017 at KR Mangalam University in International Conference on "Advances in Applied Science, Engineering and Technology (AASET-2017)" August 17-18, 2017.
- Delivered an invited Talk on Jan. 23, 2016 in a three days Intl. workshop on "Emerging opportunities and Trends in Basic & Applied Sciences" at Dr. B.R. Ambedkar University, Agra on the topic "Plasma Assisted Growth and Field Emission Properties of Graphene". -Prof. Suresh C. Sharma
- Chairman, one day National Seminar on "Frontiers in Applied Science and Technology (FAST-2016) held on March 22, 2016, DTU, Delhi. Also, delivered an invited Talk on "THz Radiation Emission from Free Electron Laser (FEL) on March 22, 2016, DTU, Delhi - Prof. Suresh C. Sharma
- Delivered a lecture on "Plasma production, Technology, Applications, Growth and Field Emission properties of Graphene sheet" for Refresher course in Contemporary studies for the University and college teachers of all streams (Humanities and Science) on June 20, 2016 at Centre for Professional Development in Higher Education, University of Delhi. - Prof. Suresh C. Sharma
- Chairman, TEQIP-II sponsored one week Faculty Development (FDP) programme on "Advances in Microelectronics and plasma Diagnostics (AMPD-2016) AMPD-2016), Aug. 29- September 2, 2016, Organized by Department of Applied Physics, DTU, Delhi in association with IEEE EDS Delhi Chapter.- Prof. Suresh C. Sharma
- Organized a popular lecture of "Prof. G.P. Zank [Director, Center for Space Plasma and Aeronomic Research (CSPAR), University of Alabama, Huntsville, USA] at DTU on "Faltering Steps into the Galaxy" on February 3, 2017. -Prof. Suresh C. Sharma
- Chaired a session on March 2, 2017 at IIT Delhi (LHC) in International Symposium on Nonlinear Waves in Fluids and Plasmas (A Symposium to honor the Scientific Achievement of Professor Bimla Buti) BUTIFEST-2017 held from March 1-2, 2017, IIT Delhi. -Prof. Suresh C. Sharma
- Visited University of Strathclyde, Glasgow, United Kingdom, July 2016. -Dr. M. S. Mehata
- Young Women Im Science (Specialization -Electronics), Venus International Women Awards (VIWA-2017). -Dr. Rishu Chaujar
- Invited Presentation on "Transparent Gate Recessed Channel MOSFET: A Protein Biomarker for Early Stage Diagnostics" in Nanoelectronics and Miniaturization session in 9th Indo German Frontiers of Engineering (INDOGFOE) Symposium 2017 to be held in Jaipur from March 9-12, 2017. -Dr. Rishu Chaujar

- Member- Advisory Board: International Conference on Nanomaterials and Nanotechnology (ICNANO-2017), March 01-03, 2017 at Allahabad, India- Dr.Rishu Chaujar
- Organizing Committee Member, 2nd National Conference on Recent Developments in Electronics (NCRDE 2017) to be held on February 17-18, 2017. Jointly Organized by IEEE EDS Delhi Chapter and Department of Electronic Science, University of Delhi South Campus, Benito Juarez Road, New Delhi-110021, India- Dr.Rishu Chaujar
- Jury Member, Project Presentation Session, 2nd National Conference on Recent Developments in Electronics (NCRDE 2017) to be held on February 17-18, 2017. Jointly Organized by IEEE EDS Delhi Chapter and Department of Electronic Science, University of Delhi South Campus, Benito Juarez Road, New Delhi-110021, India- Dr. Rishu Chaujar
- Recipient, Bharat Vikas award, Institute of Self Reliance, Bhubaneshwar, India, 2016. -Dr. Rishu Chaujar
- Ambassador, Asian Council of Science Editors-2016. -Dr. Rishu Chaujar
- Organizing Committee Member, Second National Conference on Recent Trends in Instrumentation and Electronics to be held on October 5th - 6th 2016. Shaheed Rajguru College of Applied Sciences for Women (University of Delhi) Vasundhara Enclave, Delhi – 110096. -Dr. Rishu Chaujar
- Convenor, TEQIP-II Sponsored One Week Faculty Development Programme on Advances in Microelectronics and Plasma Diagnostics organized by Department of Applied Physics, Delhi Technological University in association with IEEE EDS Delhi Chapter on August 29- September 2, 2016. -Dr. Rishu Chaujar
- Member, Board of Advisory Committee, National Conference (IC GATE-2016), Manav Rachna University, June 2016. -Dr. Rishu Chaujar
- Convenor, One Day National Seminar on Frontiers in Applied Science and Technology (FAST-2016) organized by Department of Applied Physics, Delhi Technological University in association with IEEE EDS Delhi Chapter on March 22, 2016. -Dr. Rishu Chaujar
- Editorial Board Member, Mantech Publications Journals, 2016. -Dr. Rishu Chaujar
- Visiting Research Professor at Department of Physics, Changwon National University, Changwon, SOUTH KOREA (May-August, 2016). -Dr. M. Jayasimhadri
- Associate Fellow - Andhra Pradesh Academy of Sciences (APAS) – 2016. -Dr. M. Jayasimhadri
- Jury Member at National Level Exhibition and Project Competition (NLEPC) under INSPIRE Awards component of Department of Science and Technology (DST), New Delhi (2015 &2016). -Dr. M. Jayasimhadri
- Bharat Vikas Award by Institute of Self Reliance (ISR India), Bhubaneswar (2016). -Dr. M. Jayasimhadri
- First Place and Cash Prize for Best poster presentation to my Ph.D. student for our research work presentation in National Conference on Luminescence and its Applications (NCLA-2016), RTM Nagpur University, Nagpur. -Dr. M. Jayasimhadri
- Delivered an Invited Talk in The 67th Korean Physical Society (KPS) Meeting of Busan-Ulsan-Kyoungnam Branch held at Department of Physics, Pukyong National University, South Korea on 22nd August, 2016. -Dr. M. Jayasimhadri

- Delivered an Invited Talk in National Conference on Luminescence and its Applications (NCLA-2016) held at RTM Nagpur University, Nagpur, during 18th -20th February, 2016. -Dr. M. Jayasimhadri
- Awarded as Outstanding Reviewer by Optical Fiber Technology in June, 2016. – Dr. Ajeet Kumar
- Chairman" of the Working Group (WG-III), International Atomic Energy Agency (IAEA), Vienna, Austria 21st to 23rd Feb., 2017. -Dr. Nitin Puri
- Member of National and International "Advisory Board" Electrical Energy: Safety and Conservation to be held at University of Delhi, in January 2016. – Dr. Nitin Puri
- Served as Chair of the Fiber Modeling and Fabrication Technical Group for OSA for year 2015 & 2016 - Dr. Kamal Kishor
- Serving Member of the David Richardson Medal award (OSA) selection committee members for the term beginning 1 March 2017 and ending 28 February 2019. - Dr. Kamal Kishor
- Received Newport Spectra-Physics Research Excellence Award by SPIE, USA - Dr. Kamal Kishor

4. Visit of Faculty Members to Other Institutions

Name of Faculty	Name of Institute/ Organization Visited	Purpose of Visit	Dates
Prof. Suresh C. Sharma	Centre for Professional Development in Higher Education, University of Delhi, Delhi	Delivered a lecture on " Plasma production, Technology, Applications, Growth and Field Emission properties of Graphene sheet" for Refresher course	20, June 2016
	KR Mangalam University	delivered an invited talk on " Plasma Assisted Growth and Field Emission Properties of 2 D Graphene	17-18, August 2017
	Chengdu, China	delivered invited talk in Applied Physics session titled " Controlled Growth and Field Emission Properties of Plasma Grown Graphene Sheet via Nitrogen Doping	18-23, September 2017
	Jaypee Institute of Information Technology, Sector-62, Noida, Uttar Pradesh	Gave brief presentation on the achievements of ongoing SERB-DST project before the PAC.	19, July 2017
	Dr. B.R. Ambedkar University, Agra	Delivered an invited Talk in a three days International workshop	23, Jan. 2016
M. Jayasimhadri	Pukyong National University, Busan, South Korea	Invited Speaker	22 August, 2016
	RTM Nagpur University, Nagpur	Invited Speaker	18 -20 Feb., 2016
	Changwon National University, Changwon, South Korea	to do collaborative research work as a Research Professor	22 May to 31 August, 2016

Name of Faculty	Name of Institute/ Organization Visited	Purpose of Visit	Dates
Dr. M.S. Mehata	University of Strathclyde, United Kingdom	Co-operative research and trainning	4-8 July 2016
	NIT Durgapur	To deliver a invited talk in short term course	16, May 2016
Dr. Amrish K. Panwar	IIT Kharagour	Deliver a talk on "Overviews and application of lithium ion batteries" in workshop	16-18 May 2016
Dr. Pawan Kumar Tyagi	IOP Bhubaneswar	To deliver a invited lecture	12, July 2016

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

Organizing Secretary/ Faculty name	Details of Conference / Seminar / Symposia / Workshop/Guest Lecture	Venue	Dates
Prof S. C. Sharma	Delivered an invited Talk on "Role of Dust Grains in Beam Driven Instabilities	DTU, Delhi	2, July 2017
	1st Asia Pacific Conference on Plasma Physics (AAPPS-DPP 2017)	Chengdu, China	18-23, September 2017
	One day event dated October 1, 2017 on " Shodh Shiksha Sameeksha"	Inter-University Centre for Astronomy and Astrophysics (IUCAA), Pune	1, October 2017
	10th National Conference on 'Solid State Chemistry and Allied Areas (ISCAS- 2017)'	DTU, Delhi	1- 3, July 2017
Dr. Amrish K. Panwar	Workshop on: 'Lithium ion battery Technology and Mathematical modeling"	VikramShila Complex, IIT Kharagpur, WB, India	16-18, May 2016
Dr.Rishu Chaujar	Member, Board of Advisory Committee, National Conference (IC GATE-2016), ManavRachna University, June 2016.	ManavRachna University	June 2016.
Dr.M.S Mehata, Dr. Amrish K. Panwar Dr. Yogita Kalra	Participated in International Day of Yoga on June 21,2016 and attended the workshop on " Yoga and Ast of Living" during	DTU	21-26, June 2016
Dr. Rinku Sharma Dr. Yogita Kalra	Member organizing committee of STTP on: Research and Publication	DTU	25-29, July 2016

Organizing Secretary/ Faculty name	Details of Conference / Seminar / Symposia / Workshop/Guest Lecture	Venue	Dates
Dr. Pawan Kumar Tyagi	10th National Conference on 'Solid State Chemistry and Allied Areas (ISCAS-2017)	DTU	1-3, July 2017
Dr. M. Jayasimhadri	10th National Conference on Solid State Chemistry and Allied Areas (ISCAS-2017)	DTU, Delhi	1st -3rd July, 2017
	One day workshop on Advances in Friction Stir Welding/processing (AFSWP-2017)	DTU, Delhi	23 March, 2017
	67th Korean Physical Society (KPS) Meeting	Pukyong University, South Korea	22 August, 2016
	International Conference on Advanced Production and Industrial Engineering (ICAPIE-2016)	DTU, Delhi	9-10 December, 2016
	Advances in Tribological Studies (ATS-2017)	DTU, Delhi	29 March, 2017
	E-Resources: A Gateway for Research	DTU, Delhi	05-9 Sep., 2016

6. Participation of Faculty in Short Term Courses

Name of Faculty	Name of Courses	Place	Dates
Dr. Pawan K. Tyagi, Dr. Amrish K. Panwar, Dr. Yogita Kalra	FDP on: Recent development and challenges in materials and manufacturing process	Department of Mechanical Engineering, DTU	25-29, July 2016
Dr. Yogita Kalra	FDP on: Geotechnical Engineering for Urban infrastructure	TEQIP II DTU	11-25, July 2016
	FDP on: Recent Developments in Fluid Mechanics and Hydraulics	TEQIP – II, DTU	18-22, July 2016
Dr. Amrish K. Panwar,	STC on: Relevance to Nanotechnology to Rechargeable Battery Technology	AICTE sponsored by QIP, IIT Roorkee.	18-22, July 2016
Dr. M. S. Mehata, Dr. Amrish K. Panwar,	FDP on: Recent Trends on Pattern Analysis and Machine Learning	TEQIP – II Department of Electronic & communication Engineering, DTU	11-25, July 2016
Dr M S Mehata Dr. Amrish K. Panwar	STTP on: PLC, HMI, SCADA & AC Drivers	TEQIP – II, Department of Electrical Engineering, DTU	13-17 June, 2016

Name of Faculty	Name of Courses	Place	Dates
Dr. Rishu Chaujar, Dr. Amrish K. Panwar	FDP on: Recent Trends in Geo-environmental Engineering	TEQIP – II, Department of Civil Engineering, DTU	18-22, April 2016
Dr. M. Jayashemhadri	Advance Manufacturing and Operations Management (AMOM-2017)	DTU, Delhi	03-14 July, 2017
	Environmental Pollution: Monitoring & Control (EPMC-2016)	DTU, Delhi	24-28 October, 2016
	Recent Trends in Geo-environmental Engineering	DTU, Delhi	18-22 April, 2016
Dr. Pawan K. Tyagi	TEQIP-II Sponsored Faculty Development Programme On " Precision Manufacturing: Technology for Better Tomorrow"	DTU	14 July 2017
	TEQIP-II Sponsored Faculty Development Programme On "Recent Development and Challenges in Material and Manufacturing Processes"	DTU	26, July 2016
	TEQIP-II Sponsored Faculty Development Programme On "Advances in Microelectronics and Plasma Diagnostics" 29.08.2016-02.10.2016 TEQIP-II, Delhi Technological University	DTU	29, August 2016

7. Visitors to the Department

Name	Affiliation	Purpose
Dr. Rim Cherif	University of Carthage, Tunisia	Visit under bilateral DST sponsored TUN-IND project.
Prof. Mourad Zghal	University of Carthage, Tunisia	Visit under bilateral DST sponsored TUN-IND project
Prof. G.P. Zank	Director, Center for Space Plasma and Aeronomic Research (CSPAR), University of Alabama, Huntsville, USA	delivered a popular lecture on "Faltering Steps into the Galaxy" dated Feb. 3,2017 at 11.30 AM

8. Conference/Seminar/Symposia/Workshops Organized by the Department

Organizing Secretary	Details of Conference / Seminar / Symposia / Workshop/ Guest Lecture	Venue	Dates
Dr. Pawan Kumar Tyagi	10th National Conference on 'Solid State Chemistry and Allied Areas (ISCAS-2017)	DTU	1-3 July 2017
Prof S. C. Sharma	TEQIP-II sponsored one week Faculty Development (FDP) programme on Advances in Microelectronics and plasma Diagnostics (AMPD-2016)	DTU	29 Aug. 2-Sept. 2016
	three days 10th National Conference on 'Solid State Chemistry and Allied Areas (ISCAS- 2017)' in association with Indian Association of Solid State Chemists and Allied Scientists	DTU	1-3, July 2017

9. List of Candidates Awarded Ph.D. Degree

Name of Student	Nationality	Gender (Male/ Female)	Category (Gen/SC/ ST/PD)	Title of thesis
B. Sivaiah (2016)	Indian	Male	Gen	Development of Thermoelectric Materials with Enhanced Figure-of Merit for Waste-Heat Energy Utilization
Amit Kumar Vishwakarma (2017)	Indian	Male	Gen	Synthesis and Photoluminescence Properties of Rare-Earth doped Alkaline Earth Niobate Phosphors for Solid State Lighting Applications
Aarti Tewari	Indian	Female	Gen	Study on the effect of plasma parameters and catalyst on the growth and field emission properties of Carbon Nanotubes (CNTS
Savita Sharma	Indian	Female		Multicomponent based composite materials for multifunctional applications

10. (i) Completed Sponsored Research Projects

Principal Investigator	Title of Project	Sponsoring Agency	Outlay (amount in Lakhs of Rupees`)
Prof. Suresh C. Sharma	"Theoretical Investigations for Correlating the Plasma Parameters with the Growth, Structure and Field Emission Properties of Carbon Nanotubes (CNTs)"	Department of Science & Technology (DST), Govt. of India, New Delhi	11.52
Dr. Rishu Chaujar	Design, Development and Integration of Industry Standard Compliant Solutions for a Smart Grid	IEEE	USD 800

Principal Investigator	Title of Project	Sponsoring Agency	Outlay (amount in Lakhs of Rupees`)
Dr. Rishu Chaujar	Design and Development of Smart Green Vehicle	DTU	2.7
Dr. Rishu Chaujar	Design and Fabrication of Autonomous Surface Vehicle for participation in 5th Robot International Competition	DTU	2
Dr. M. Jayasimhadri	Development of Efficient and Environmental Friendly Phosphors and Nanophosphors for White Light Emitting Diodes	DAE-BRNS, Govt. of India, BARC, Mumbai	12.04

(ii) Continuing Sponsored Research Projects

Principal Investigator	Title of the Project	Sponsoring Agency	Outlay (amount in Lakhs of Rupees)
Prof. R.K. Sinha, Dr. Yogita Kalra	National Program on MEMS And Smart Structure	DRDO initiative coordinated by IISc Bangalore	40
	Characterization of PCF for Telecom and Sensing Application	UGC	10.48
	From Plasmonic and Dielectric to Hybrid Nanoantennas: Novel approaches to control Electromagnetic Waves and Light	DST-RFBR (Indo-Russian)	22.56
	All dielectric plasmonic and hybrid photonic nanostructures	DST-RMES (Indo-Russian)	65.04
	Modeling and simulation of single Mode CW High Power Fiber Lasers	LASTEC, DRDO	10.00
Dr. M.S. Mehata	External Electric field effect on the photoinduced charge transfer dynamics	DAE-BRNS	17.52
Dr. Pawan Kumar Tyagi	Graphene-Based Flexible, Transparent Electrodes For Organic Light Emitting diodes and Photovoltaics" under Indo-Portuguese Programme of Cooperation in Science and Technology, Rs. 5.30 Lacs: Ongoing (2013-16)	DST-FCT	5.30
	Synthesis of Structural Defects Free Single Layer Graphene for Applications in Nanoelectronic Devices, SR/FTP/PS-055/2012, Rs. 27.10 Lacs, DST- Fast Track, : Ongoing (2013-16)	DST	27.10

Principal Investigator	Title of the Project	Sponsoring Agency	Outlay (amount in Lakhs of Rupees)
Dr. Pawan Kumar Tyagi (Mentor), Dr. Zainab Naqvi (Principle Investigator	FABRICATION OF BIOSENSORS FOR CANCER DETECTION USING SINGLE LAYER GRAPHENE, BT/Bio-CARe/05/10190/2013-14: Ongoing (2014-17)	DBT	23.00
Dr. Rishu Chaujar	Characterization, Simulation and Equivalent Circuit Analysis of Silicon Nanowire Transistors For High Performance Applications in Wireless and RF Technology	DST	18.6
Dr. Ajeet Kumar	Design, modeling and characterization of highly nonlinear fibers for all-optical high bit-rate networks	DST-Tunisia	13.5
	Specialty Large-Mode-Area Rectangular Waveguides and Fibers for High Power Applications	DST	25.3
Dr. Amrish K. Panwar	Development of alternative cathode materials for high energy density lithium ion battery technology	SERB, DST	25.00
Dr. Nitin Kumar Puri	"Investigation of origin of Circular Rydberg States (CRS) in Beam Foil Excitation"	DAE-BRNS, Govt. of India	25
Dr. Nitin Kumar Puri	"Origin of Circular Rydberg states in Beam Foil Excitation"	IUAC, Delhi	6.04
Dr. M. Jayasimhadri	Development of Versatile Alkaline Earth Phosphate Micro and Nanophsophors for Energy Saving near UV-based White LEDs	SERB-DST, Govt. of India, New Delhi	30

(iii) New Sponsored Research Projects

Principal Investigator	Title of the Project	Sponsoring Agency	Outlay (amount in Lakhs of Rupees)
Prof. S. C. Sharma & Prof. Rinku Sharma	Analytical and Numerical Simulation of Growth and Field Emission Properties of CNT-Graphene Composites	SERB-DST, Govt. Of India	Recently Approved
Dr. Pawan Kumar Tyagi	Ion on irradiation on filled-multiwalled carbonnanotubes to create N-V center	UGC-IUAC Delhi Center	7.5 lacs
Dr. Pawan Kumar Tyagi	Study of the chemical structure and bonding in CuO nanowire by using EXAFS Synchrotron	UGC-DAE CSR, Indore Center	7.5 lacs

(IV) Sponsored Research/Consultancy Projects

Principal Investigator	Title of the Project	Sponsoring Agency	Outlay (amount in Lakhs of Rupees)
Prof. Suresh C. Sharma (Principal Investigator)	Role of plasma in the growth and field emission properties of graphene	DST-SERB (2014-2017)	18 Lakhs
Prof. Rinku Sharma (Co-Principal Investigator)	Study of Atomic Processes for multi-charged ions for plasma diagnostics	DST-SERB (2017-2020)	58 Lakhs
Prof. A. Srinivas Rao (Co-Principal Investigator)	Preparation and Characterization of Rare Earth ions doped Oxide, Fluoride and Oxy-Fluoride Glasses/Glassy Ceramics for Fiber Lasers and Optical Fiber Amplifiers	DST 2016-2019	52 Lakhs
Dr. Mohan S. Mehata (Principal Investigator)	Photoinduced Charge Transfer Dynamics of Quantum Dots/Molecules under the Influence of External perturbation''	DST-SERB (2017-2020)	62.5 Lakhs
Dr. Mohan S. Mehata (Principal Investigator)	To support extensively to the Fluorescence spectroscopy	DST-FIST (2012-2017)	1.53 Crore
Dr. Mohan S. Mehata (Principal Investigator)	External Electric field effect on the photoinduced charge transfer dynamics	DAE-BRNS (2012-2016)	17.56 Lakhs
Dr. Pawan K. Tyagi (Principal Investigator)	Ion irradiation on filled-multiwalled carbon nanotubes to create N-V center	UGC-IUAC 2017	7.6 Lakhs
Dr. Pawan K. Tyagi (Principal Investigator)	Study of the chemical structure and bonding in CuO nanowire by using EXAFS Synchrotron radiation	UGC-DAE-IUAC-Indore 2017	
Dr. Pawan K. Tyagi (Principal Investigator)	Synthesis of Structural Defects Free Single Layer Graphene for Applications in Nanoelectronic Devices	DST-Fast Track 2013-2016	27.10 Lakhs
Dr. Pawan K. Tyagi (Principal Investigator)	Ion Implantation in Nano crystalline, Ultra nano crystalline diamond film and Carbon nanotubes	IUAC, 2013-2016	11.5 Lakhs
Dr. Pawan K. Tyagi (Principal Investigator)	Graphene-Based Flexible, Transparent Electrodes For Organic Light Emitting diodes and Photovoltaic's" under Indo-Portuguese Programmer of Cooperation in Science and Technology	DST-FCP-Portugal Technology 2013-2016	11.5 Lakhs
Dr. Rishu Chaujar (Principal Investigator)	Characterization, Simulation and Equivalent Circuit Analysis of Silicon Nano wire Transistors For High Performance Applications in Wireless and RF Technology	SERC, DST 2013-2016	18.6 Lakhs

Principal Investigator	Title of the Project	Sponsoring Agency	Outlay (amount in Lakhs of Rupees)
Dr. Yogita Kalra (Principal Investigator)	Modelling and simulation of single mode CW high power fiber lasers	DRDO-CARS (2014-2017)	10 Lakhs
Dr. Yogita Kalra Dr. Ajeet Kumar (Co-Principal Investigator)	All dielectric , plasmonic and hybrid photonic nanostructures	DST-RMES (2014-2017)	30 Lakhs
Dr. Yogita Kalra Dr. Ajeet Kumar (Co-Principal Investigator)	From plasmonic to dielectric and hybrid nanoantennas: Novel approaches to control electromagnetic waves and light	DST-RFBR (2014-2017)	30 Lakhs
Dr. M. Jayasimhadri (Principal Investigator)	Development of Versatile Alkaline Earth Phosphate Micro and Nano phosphors for Energy Saving near UV-based White LEDs	GOI, (2015-2018)	26 Lakhs
Dr. Ajeet Kumar (Principal Investigator)	Large-Mode-Area Rectangular Waveguides and Fibers for High Power Applications	DST-Fast Track, (2013-2016)	25.3 lakhs
Dr. Ajeet Kumar (Principal Investigator)	Design, modeling and characterization of highly nonlinear fibers for all-optical high bit-rate networks	DST (2013-2016)	13.5 lakhs
Dr. Amrish Panwar (Principal Investigator)	Development of alternative cathode materials for high energy density lithium ion battery technology	(2012-2016)	25 lakhs
Dr. Nitin Puri (Principal Investigator)	Investigation of origin of Circular Rydberg States (CRS) in Beam Foil Excitation	DAE-BRNS (2014-17)	25 Lakh,
Dr. Nitin Puri (Principal Investigator)	Photovoltaic and Multiferroic properties of multilayered BFO/BTO thin films using Swift Heavy Ion (SHI) irradiation	IUAC, Delhi (2014-2017)	6.04 Lakhs
Dr. Nitin Puri (Principal Investigator)	Elastic recoil detection analysis of Pt/Ti capped Na/Al and Li/Al thin films using 107Ag or 58Ni swift heavy ion beam	IUAC, Delhi, (2016-2019) Sanctioned	
Dr. Bharti Singh (Principal Investigator)	Electrical Energy Harvesting using Monolayer MoS2 and MoS2-Graphene Heterostructures for Self Powering Electronic and Bioelectronics Devices	DST-INSPIRE (2017-2022)	35 Lakhs

11. Important Professional Affiliations:

Prof. S.C. Sharma:

- Member of the National Academy of Sciences (MNASc), India
- Member of the *Institute of Electrical and Electronics Engineers* (*IEEE*), USA (IEEE. Member #93626831).
- Member of the International Association of Engineers (IAENG), Hong Kong (Membe Number: 161614).
- Life Member – Plasma Science Society of India (PSSI) (Life Membership Number: LM- 708).
- Life Member- Indian Science Congress Association (ISCA)(Life Membership Number: L28117).
- Life Member- Indian Society for Technical Education (ISTE), New Delhi (Life Membership Number: LM 106978).

Mr. Vinod Singh:

- Member of Material Research Society (MRS), Pennsylvania, USA.
- Member of American Chemical Society (ACS), Washington DC, USA
- Member of American Nano Society (ANS), USA.
- 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. M.S. Mehata:

- Life member-laser and spectroscopy of India (LASSI)
- Life member - National Laser Association (NLS)
- Life member- Indian JSPS Alumni Association (IJAA)
- Life member- Indian Society for Radiation and Photochemical Sciences (*ISRAPS*)

Dr. Rishu Chaujar:

- Life Member-Indian Society for Technical Education (ISTE), India
- Life Member-Institution of Electronics & Telecommunication Engineers (IETE), India
- Life Member- Indian Women Scientists' Association, India.
- Life Member- Indian Science Congress Association, India.
- Life Member- Semiconductor Society of India, India.
- Life Member-Materials Research Society of India.
- Member – IEEE Communication Society, USA (2008-Till Date)
- Member - International Association of Engineers, Hong Kong (2008-Till Date)
- Senior Member – IEEE Professional Organization, USA (2016-Till Date)
- Member, National Academy of Sciences, India(2016)
- Member-American Nano Society, USA (2011-Till Date)
- Member-Green ICT Community, IEEE (2014-Till Date)
- Member- IEEE Council on RFID (2014-Till Date)
- Executive Member- IEEE Electron Devices Society (2015-till date)

Dr. M. Jayasimhadri:

- Life Member - Luminescence Society of India (LSI)
- Life Member - Materials Research Society of India (MRSI)
- Life member - National Environmental Science Academy (NESA)

Dr. Amrish K. Panwar:

- Life Member- Materials Research Society of India (MRSI)
- Life Member – Electron Microscopy Society of India (EMSI)
- Life Member – Indian Society of Technical Education (ISTE)

Dr. Ajeet Kumar:

- Member, Optical Society of America (OSA)
- Life Member- Indian Society for Technical Education
- Life Member- Optical Society of India

12. Books:

- **Vinod Singh,** Applied Physics Practical-II. Publisher-Mewar University Press. ISBN -978-81-930772-0-7

4.4 Department of Biotechnology

(Academic Staff- 07; Students admitted: UG-14, PG-22, Ph.D.-03; Publications: Journals/Papers- 32 Conference/Symposium-00 New projects-1)

1. Salient Features:

Department of Biotechnology under Delhi Technological Universitywas founded in 2004 with a vision to make an impact through research and technology based training, is successfully conducting undergraduate and postgraduate programmes in various disciplines. The Department is running various programmes in Biotechnology, Bioinformatics, Biomedical Engineering and Industrial Biotechnology. Department of Biotechnology is also running research oriented Ph.D. programme.

The faculty members of the department are excellent teachers and research scientists, and they have published papers in high impact factor. The department has undertaken sponsored projects funded by ICMR, CSIR, DST, UGC, etc. The department has 10 state-of-the-art laboratories, viz. Nanobioelectronics Laboratory, Stem Cell Biology Laboratory, Functional Genomics and Molecular Nanoscience Laboratory, Environmental Biotechnology Laboratory, Plant Molecular Biology Laboratory, Computational Biology Laboratory, Biochemistry Laboratory, Immuno-therapeutics Laboratory and Genome Informatics Laboratory. Dr.Yasha Hasija is the editor executive of International Journal of Advanced Biotechnology and Bioinformatics", an open access peer reviewed journal seeks to rapidly publish research that has made a difference to the present scientific scenario .It endeavors to bring forth the best contributions which are being made by scientific community and the biotech industry at large. The department regularly organizes scientific lectures & symposia in which renowned scientists and academicians are invited. The department conducts annual technical festival KARYON in which the students and experts from industry participate in academic deliberations to enhance Industry- University interactions. Such useful interactions help the students for industrial trainings and job placements.

2. Academic Staff:

Professors: 04

Dr. Devendra Kumar, Head of the Department, Ph.D., Polymer Science & Technology, dkumar@dce.ac.in

Dr. B. D. Malhotra, Ph.D., Biosensors, Biomaterials, Bio-molecular Electronics, Conducting Polymers, Cancer Diagnostics, Ordered Molecular Assemblies, Nano-materials, bansi.malhotra@gmail.com, bansi.malhotra@dce.ac.in

Dr. Pravir Kumar, MS (BHU), Ph.D. (Germany), PDF/Faculty (Boston, USA) Molecular Medicine, Neuroscience, Functional Genomics, Drug screening and discovery, Cardiovascular Physiology, Neurooncology, pravirkumar@dce.edu Pravir.Kumar@tufts.edu

Dr. Jai Gopal Sharma, Ph.D. Bioremediation, Water Quality Management, Larviculture, Radiation Biology, sharmajaigopal@gmail.com

Assistant Professors: 03

Dr. Asmita Das, Ph.D. Immunodiagnostics and therapeutics, asmitadas1710@gmail.com

Dr. Navneeta Bhardwaj, Ph.D., Plant biotechnology, navneetab@dce.ac.in

Dr. Yasha Hashija, Ph.D. Biotechnology, Bioinformatics, yashahasija@dce.edu

3. Honors and Awards to Faculty Members:

Prof B D Malhotra:

Honors

- Fellow, Indian National Science Academy
- Fellow, National Academy of Sciences, India.
- Academician, Asia Pacific Academy of Materials

Awards

- Materials Research Society of India (MRSI) Medal Lecture 2004
- National Research Development Corporation Meritorious Award May 2005 for the invention on 'Blood Glucose Biochemical Analyzer' at the National Physical Laboratory, New Delhi
- Editor-in-Chief- The Open Analytical Chemistry Journal Member

Member

- Advisory Board, Nature Publishing Group-Asia Materials
- Advisory Board, Biotechnology Journal (Wiley)
- Number of Publications in refereed journals: 254 Citations:> 12865; h-Index: 54

Dr.Jaigopal Sharma

Honors

- Served as Jury member in the "World Aquaculture Jeju 2015" held at Jeju, South Korea (May 26-30, 2015) for the best students' Presentation award for International students.
- Served as Jury member in the "World Aquaculture Adelaide 2014" held at Adelaide, Australia (June 7 -11, 2014) for the best students' Presentation award for International Students.

Awards

- Session's Best Presentation Award (session Nutrition) in the International Conference on Fisheries and Aquaculture 2015, Colombo, Sri Lanka, August 25-26, 2015.
- Young Scientist Award, U.P. Council of Science & Technology on National Science Day, 2003-2004, Citation February 28, 2004.
- Young Scientist Award, Asian Fisheries Society (AFSIB), December 17, 2002.

Dr. Pravir Kumar

Honors

- Adjunct Faculty, Tufts University School of Medicine, Neurology Department, Boston, MA (USA)
- Citations: 1350; h- Index: 14

Editorial and Professional Assignments

- Associate Editor, Journal of Alzheimer's disease (JAD; 01/2015)
- Editor, International Journal of Neurology Research
- Editor,International Journal of Hematology Research
- Editor, Journal of Clinical Trials & Patenting
- Associate Editor, American Journal of Research Communication
- Associate Editor, Advances in Obesity, Weight Management & Control
- Editor, International Journal of Advanced Biotechnology and Bioinformatics
- Academic Editor, International journal of Bioinformatics
- Editor, Austin Journal of Biotechnology and Bioengineering

Dr. Yasha Hasija

Awards

- Nomenclature Prize in the Human Genome Meeting-2010, Montpellier, France (2010).
- Department of Science and Technology (DST) Award for participation in the meeting of Nobel Laureates and Students held in Lindau, Germany during July 1-5, 2002.

Reviewing and Editorial Assignments

- Reviewer, 6th International Conference on Bioinformatics and Biomedical Science (ICBBS), June 22-24, 2017, Singapore.
- Associate Editor, International Journal of Bioinformatics Research.
- Grant Reviewer, Israeli Ministry of Science, Technology & Space, "Personalized Medicine" Infrastructure program 2017.
- Associate Editor, International Journal of Bioinformatics Research
- Executive Editor, International Journal of Advanced Biotechnology & Bioinformatics (IJABB) launched on November 02, 2012.
- Editorial Board Member, Review of Bioinformatics and Biometrics (RBB).
- Editorial Board Member, Austin Journal of Biotechnology & Bioengineering
- Academic Editor / Author Suggested Reviewer, International Journal of Biotechnology Applications
- Member, Scientific and Technical Committee & Editorial Review Board on Biotechnology and Bioengineering, World Academy of Science, Engineering and Technology (WASET)
- Reviewer, PLoS One
- Reviewer, Biomedicine & Pharmacotherapy
- Reviewer, Journal of Biomolecular Structure & Dynamics
- Reviewer, BMC Research Notes
- Reviewer, Biomedicine & Pharmacotherapy
- Reviewer, Electronic Government, an Int. J.
- Reviewer, Metabolic Brain Disease.
- Reviewer, Applied Biochemistry and Biotechnology
- Reviewer, The American Journal of the Medical Sciences

Dr. Asmita Das

- Edited manuscripts as part of Fellows Editorial Board in National Cancer Institute, NIH, USA
- Invited reviewer for PLOS one (impact factor 4.1)
- Editorial Board Member of Journal of Biosciences GSTF, Singapore
- Editorial Board Member of International Association of Innovation Research
- Course on Translational Research in Clinical Oncology conducted by National Cancer Institute (NIH), USA

Dr. Smita Rastogi Verma

- Reviewer, Journal of Biology and Nature; Plant Cell Biotechnology and Molecular BiologyAdvances in Research; Annual Research & Review in Biology; African Journal of Biotechnology; International Journal of Plant & Soil Science

Dr. V K Singh

- Inspire faculty award and research project entitled,' Stem cell therapeutic development for respiratory diseases like lung fibrosis/lung injuries through regulation of stem cell trafficking by gene engineering technology"
- SERC Fast Track young scientist project entitled, "Curing respiratory diseases like lung fibrosis/lung injuries through regulation of stem Cell trafficking by gene engineering technology" (Reg. SERC/LS-159/2012).

- SERC Fast Track young scientist project entitled, "Modulation of hematopoietic stem cell homing/ engraftment potential through gene engineering techniques" (Registration number: 0118/2007).

Dr. Kriti Bhandari

- Awarded Canadian Commonwealth Graduate Exchange Program fellowship to carry out research work at University of Saskatchewan, Canada for 6 months from March 2010- September 2010.

4. Visit of Faculty Members to Other Institutions

Name of faculty	Name of Institute / Organization visited	Purpose of visit	Dates
Dr. Pravir Kumar	Madhya Pradesh Council of Science and Technology (MPCST), VISM, Gwalior	Keynote speaker, Relevance of Biomedical Engineering in Neuronal Pathophysiology National Conference on Recent Trends in Biotechnology	2016
Dr. Asmita Das	AIIMS	Invited lecture	Sept 6, 2016
Dr.Yasha Hasija	IIIT Hyderabad	Speaker, DFG's Pre-Lindau Alumni workshop on "Computing in Chemistry, Biology and Medicine"	November 24-25, 2017
	IIIT Delhi, Center for Computational Biology	Invited lecture on "A Systems Biology Approach towards Healthy Aging" in Seminar series	August 23, 2016
	Miranda House, University of Delhi	Invited lecture on "Pairwise and Multiple Sequence Alignment" for the add-on course on Bioinformatics and in silico medicine	January 23, 2016
	Miranda House, University of Delhi	Invited resource person to conduct a practical session on " Pairwise and multiple sequence alignment"	February 27, 2016

5. Participation of Faculty Members in Conference / Seminars / Symposia / Workshops / Guest Lecture.

Name of Faculty	Details of Conference/Seminars/Symposia/ Workshops/Guest lecture	Venue	Dates
Dr. Jaigopal Sharma	Attended and presented paper in "Asian Pacific – Aquaculture 2017" organized by World Aquaculture Society (WAS, USA)	Kuala Lumpur, Malaysia	July 24-27, 2017
	Attended workshop "Best Practice in Percid Fish Aquaculture" organized by European Aquaculture Society (EAS)	Edinburgh, United Kingdom	Sept 20, 2016
	Attended and presented paper in the conference "Aquaculture Europe 2016"	Edinburgh, Scotland, United Kingdom	Sept 21-23, 2016
Dr. Asmita Das	Attended 2 days' workshop on "Alternative Fuels and Engine Tribology organized by Dept. of Mechanical Engineering	DTU	July 10-11, 2017
	Attended 2 Days Seminar on "Social Responsibility of Engineering Institutions" at Delhi Technological University	DTU	July 21-22, 2016
	Attended One-day National Seminar on Frontiers in Applied Science and Technology (FAST 2016	DTU	March 22, 2016
Dr.Yasha Hasija	Attended World Biotechnology Conference as Keynote Speaker, "Healthy Aging: The Way Forward"	Delhi	Feb 20-22, 2017
Dr. Saurabh Chandra Saxena	85th SBC(I) Annual Meeting at CSIR-CFTRI, (Oral presentation), Symposium Theme: - "Innovations in biological research for health, disease and environment"	Mysore	Nov 21 -24, 2016

6. Participation of Faculty in Short Term Courses

Name of faculty	Name of courses	Place	Dates
Dr.Jaigopal Sharma	Attended and participated as Project Investigator in the startup Meeting of Newton Fund Global Research in Aquaculture funded by Biotechnology and Biological Sciences Research Council (BBSRC), UK and Department of Biotechnology (DBT), India	University of Stirling, Stirling, Scotland, United Kingdom	June 27 - 28, 2016
Dr.YashaHasija	1-week Faculty Development Programme (TEQIP) on Advances in Information Security"	DTU	Jan 2016

Name of faculty	Name of courses	Place	Dates
Dr.Smita Rastogi Verma	TEQIP-II sponsored Short-Term Training Programme on 'Research Methodology' organized by Delhi School of Management, Delhi Technological University	DTU	Dec 14-18, 2016
	TEQIP-II sponsored Faculty Development Program on 'Environmental Pollution: Monitoring & Control (EPMC-2016)' organized by Department of Environmental Engineering	DTU	Oct 24-28, 2016
	TEQIP-II sponsored Short-Term Training Program on 'Research and Publication' organized by the Department of Humanities	DTU	July 25-29, 2016
Dr. Kriti Bhandari	TEQIP-II sponsored Short-Term Training Programme on 'Research Methodology' organized by Delhi School of Management	DTU	Dec 14-18, 2016
	TEQIP-II sponsored Faculty Development Program on 'Environmental Pollution: Monitoring & Control (EPMC-2016)' organized by Department of Environmental Engineering	DTU	Oct 24-28, 2016
Dr. Saurabh Chandra Saxena	Participated in National Project Implementation Unit (NPIU) and World bank sponsored one-week short term training program on "Research and Publication" under TEQIP (Technical Education Quality Improvement Program of Government of India) organized by Department of Humanities	DTU	July 25-29, 2016

7. Visitors to the Department

Name of faculty	Affiliation	Purpose
Dr.Aseem Bhatnagar	Scientist G, Institute of Nuclear Medicine and Allied Sciences, DRDO, Delhi-54	Attended Stem Cell Research laboratory for Collaboration for a joint project on the development of lifesaving products/devices
Dr. Laxman Singh	Thomas-Berry & Simpson, Fellow, Departmentof Human Metabolism Academic Unitof Bone Biology University of Sheffield, Sheffield, Southyorkshire	Research Coordination
Dr. Birendra Yadav	Scientist, Blood Bank services, Rajiv Gandhi Cancer Institute and Research Center	Research Coordination
Dr. Subhash Ghosh	Associate Professor, Department of Textile Technology, Indian Institute of Technology Delhi, New Delhi, India - 110016	Research Coordination

Name of faculty	Affiliation	Purpose
Dr. Ramakrishnan Sitaraman	Associate Professor Programme Coordinator, M.Sc. Plant Biotechnology Programme Department of Biotechnology TERI University	Research Coordination
Prof. M. Onoda	University of Japan	Delivered a lecture on 'Electrochemistry in Organic Electronics: Learn of ions -Beginning of Iontronics' on 28/01/2016

8. Conference / Seminars / Symposia / Workshops Organized by the Department

NIL

9.1 List of Candidates Awarded Ph.D. Degree

Name of the student	Nationality	Gender (male/ Female)	Title of thesis
Isha Shrivastava	Indian	Female	Computational Analysis of Age-related disorders: a genetic prospective
Saurabh Kumar	Indian	Male	Nanomaterials modified paper based biosensors for cancer detection
Suveen Kumar	Indian	Female	Development of Nanomaterial based Biosensors for Oral Cancer Detection

10. Completed Sponsored Research Projects

Principal Investigator	Title of project	Sponsoring Agency	Outlay (Amount in lakhs of Rupees)
Prof B. D Malhotra	Development and Manufacture of Cost Effective Glucose Biosensor forClinical Diagnostics	ICMR	1.45
Dr. Yasha Hasija	Tuberculosis: Genetic Susceptibility and Pharmacogenomics Databases	CSIR-OSDD	15.00
	Role of Human Genetic Variations in Age-Related Disorders	Science and Engineering Research Board (SERB) under OYS Scheme	12.42
Dr. Vimal Kishore	Modulation of hematopoietic stem cell homing/ engraftment potential through gene engineering techniques.	DST	

11. Continuing Sponsored Research Projects

Principal Investigator	Title of project	Sponsoring Agency	Outlay (Amount in lakhs of)
Dr. Bansi Dhar Malhotra	Development of Nanomaterials based Highly Efficient Biofuel cells	UGC	23.00
Dr. Jai Gopal Sharma	Development of Alternative Sustainable Fish Feeds to Promote Human Health using Novel Non-Conventional Indigenous Ingredients.	Multi-Country Project- BBSRC (UK) and DBT (India)	75.00
	Engineering of actin filament for the development of next generation diagnostic nano devices	SERB DST (Young Scientist)	30.00
	Nanoenabled Biosensor for detection of Neisseria gonorrhoeae in collaboration with AIIMS	DBT	50.00
	Simultaneous degradation of organochlorine pesticides by microbes	UGC	35.00
	“Development of Pelleted Diet for Labeorohita and Clariasbatrachus Using Achyranthes aspera and Evaluation of Its Immunostimulatory Properties in Pond Culture System”	DBT, India	70.00
Dr. Asmita Das	Tumor cell mediated Immuno modulation	DST-SERB	20.20
	“Studies on elucidating Silver Nanoparticle as potent inhibitor of hyphal morphogenesis and drug resistance in opportunistic fungal pathogen, Candida and potential host cell toxicity”	JNU-UPE	11.00
Dr. Yasha Hasija	Development of a genomic information resource on dermatological disorders	DBT	35.54
Dr. Saurabh Chandra Saxena	Elucidating the Functional and Regulatory Aspects of Inositol Monophosphatase like Proteins (IMPL1 and IMPL2) from drought tolerant legume Chickpea (Cicer arietinum) was activated in Delhi Technological University, New Delhi	SERB Start Up Reseach Grant (Young Scientists)- 2015	25.00
Dr.Vimal Kishor Singh	RakatNirman: Production of Blood: (Development of strategies for Synthetic Universal Blood & blood products useful in battlefield and civil tragedies).	DST/INSA	35.00

9. Important Professional Affiliations:

Dr. Jaigopal Sharma

- The Society of Aquaculture Professionals (SAP)
- Biotechnology Society of India (Life Member).
- Asian Fisheries Society, Philippines.
- Indian Science Congress Association, India (Life Member).
- World Aquaculture Society, U.S.A.
- Association of Aqua culturists, CIFA, India (Life Member).
- Indian Fisheries Association, CIFE, India (Life Member).
- Marine Biological Association of India, CMFRI (Life Member).
- Electron Microscope Society of India (Life Member).
- Nutrition Society of India (Life Member).
- Indian Society of Remote Sensing (ISRS) (Life Member).
- Indian Society for Radiation Biology (Life Member).
- Indian Red Cross Society (Life Member).
- Coldwater Fisheries Society of India (Life member).

Dr. Asmita Das

Life member Indian Immunology society.

Dr. Yasha Hasija,

- Life member, Indian Society of Human Genetics (ISHG) (Membership No.L/1459/2009).
- Life member, Society of Biological Chemists (SBC) (Life Membership No. 2227).
- Life member, The Indian Science Congress Association (Membership No. L17164)
- Member, International Association of Engineers (IAENG) (Membership No. 121131)

Dr. Saurabh C Saxena:

- Member of American Society of Plant Biology, USA
- Life Member of Society of Biological Chemists, India

4.5 Department of Civil Engineering

Academic Staff: 26; Students Admitted: UG- 121, PG- 58, Ph.D. 15; Publications: Journals/Papers- 03 Conference/Symp.- 02

1. 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.

The intake at undergraduate level in the Department during the current academic year is 122. The Department offers M. Tech. degree level programmers in Hydraulics and Flood Control, Structural Engineering, Environmental Engineering, and Geotechnical Engineering. The sanctioned intake in these four areas of specialization is 88 students. The M. E. programmers now Called M. Tech. Programmes, for the last 30 years, have contributed significantly to the manpower development in highly relevant areas of national importance.

The department also provides opportunity to working engineers for upgrading their qualification under Continuing Education Programme on part time basis, these programmes are: M. Tech. in daytime, and B.Tech. in evening time.

The Department is well equipped with laboratories related to Structure, Concrete testing, Soil Mechanics, Highway Engineering, Experimental Stress Analysis, Computational Mechanics, Education Technology, Photogrammetric and GIS facilities, Environmental Engineering and Hydraulics Laboratories. The department undertakes to organize special lectures and discussion by eminent persons from the field and industry.

The department of Civil Engineering lays greater emphasis on quality research of industrial design and development. Excellent facilities are available to conduct research for the award of Ph.D. degree in the disciplines of Civil Engineering, Structural Engineering, Structural Dynamics, Earthquake Engineering, Water Resources Engineering, Environmental Engineering, Experimental Mechanics, Geotechnical Engineering and other interdisciplinary areas.

2. Academic Staff

Professors 08

Dr. Nirender Dev, Head of the Department, B.Tech, M.Sc (Engg.), Ph.D., Structural Engineering, Email: nirendradev@dce.ac.in

Dr. V.K. Minocha (On Diverted Capacity to CBPCE), BE, M.Tech, Ph.D. Water Resources Email: vkminocha@dce.ac.in

Dr. Ashutosh Trivedi, B.Sc (Engg.), M.Tech, Ph.D. Geotechnical Engineering , Email: atrivedi@dce.ac.in

Prof. A. K. Gupta, B.Sc, B.Tech, M.Tech, Ph,D. Geotechnical Engineering, Email: akgupta@dce.edu

Dr. Ashok Kumar Gupta I, B.Tech, MS, Ph.D., Structure Engg., Email: akgupta@dce.ac.in

Dr. K.C. Tiwari, ME (CAD), Ph.D. Microwave/Optical Remote Sensing, GIS, Expert Systems, Image Processing, Email: kcchtphd@gmail.com

Dr. Anil Kumar Sahu, B. Tech, M.Tech., Ph.D.

Dr. Rakesh Kumar, M.Tech, Ph.D. Fluid Mechanics Email: rakeshkumar@dce.ac.in

Scientist 'C' 01

Dr. Anubha Mandal, M.Tech, Ph.D.

Associate Professors 09

Sh. Rakesh Mehrotra, B.Tech, M.Tech Environmental Engineering & Waste Water Engg.

Mr. Alok Verma, M.Tech Structural Engg. Email: alokverma@dce.ac.in

Mr. G.P. Awadhiya, M.Tech Structures Email: gpawadhiya@dce.ac.in

Dr. Awadhesh Kumar, ME, PhD Specialization: Structural Engineering Email: awadheshk@dce.ac.in

Dr. Amit Kumar Shrivastava, M.Tech, Geo-Technical Engg., Email: aksrivastava@dce.ac.in

Mr. Naresh Kumar, ME, Soil Mechanics, Email: nareshkumar@dce.ac.in

Mr. S. Anbu Kumar, BE, M.Tech, Transportation, Email: sanbukumar@dce.ac.in

Mr. Narad Muni Prasad, BE, ME Specialization: Transportation Email: nmprasad@dce.ac.in

Dr. Susheel Kumar, ME Transportation, Email: sushilkumar@dce.ac.in

Assistant Professors 09

Mr. A.R. Kongan, BE, ME, Soil Mechanics & Foundation Engg., Email: arkongan@dce.ac.in

Mr. B. R.G. Robert, BE, Civil Engineering, Email: brgrobert@dce.ac.in

Dr. Bharat Jhamnani, BE, ME, Email: bjhamnani@dce.ac.in

Dr. Raju Sarkar (On Deputtaion), BE, ME, Ph.D. Soil Mechanics

Dr. Munendra Kumar, ME, Ph.D. Fluid Mechanics

Mr. T. Vijaya Kumar, ME, Enviroment engineering

Mr. H. Dube, M.E., Structural Engineering, Email:dubeyrishi018@gmail.com

Dr. Ritu Raj, ME, Ph.D, Structural Engineering, Wind Engineering Email: rituraj.ahirwar@gmail.com

Hrishikesh Dubey, B.E., M.tech, Structure Engineering, Earthquake Engineering Email: dubeyrishi018@gmail.com

3. Honors and Awards to Faculty Members

Dr Amit Kumar Shrivastava

Review the paper of Third International Conference on Civil Engineering and Urban Planning, Dubai, April 29-30, 2017.

Dr S.K. Singh

1. Dr A.P.J. Abdul Kalam Memorial Award 2016

4. Visit of Faculty Members to Other Institutions

Name of Faculty	Name of Institute/ Organization Visited	Purpose of Visit	Dates
Nil	Nil	Nil	Nil

5. Participation of Faculty in Conference / Seminar / Symposia / Workshops / Guest Lecture / Visiting Scholar

Name of the Faculty	Details of Conference/Seminar/ Symposia / Workshop/ Guest Lecture/ Visit	Venue	Dates
Sh. Rakesh Mehrotra	Limitations in Planning &Estimating Design discharges for Storm Water Drainage. "National Seminar on Management of Storm Water Drainage Systems inUrban India" organized by IPHE Delhi Regional Centre, IEI and IWRS	New Delhi	Jan 21, 2017
Dr. Amit Kumar Shrivastava	"Shear behaviour of infilled joints under cyclic loads and constant normal stiffness boundary conditions", 7th International Symposium on In-Situ Rock Stress (RS 2016), (ISBN 978-951-758-606-1), pp 558-567	Tampere, Finlad	May 10-12, 2016
	3rd International Symposium on Mine Safety Science and Engineering (ISMS-2016), McGill University, (ISBN 978-1-77247-005-5), pp 193-198	Montreal, Canada	August 13-19, 2016
Dr. Raju Sarkar	"A review on study on effect of various admixtures on geotechnical properties of expansive soils", National Conference on Technical Advancements in Civil Engineering (ISBN 978-93-85777-52-3), pp. 136-152	Phagwara, Punjab	2016
	"A review on recycling of construction and demolition waste", National Conference on Technical Advancements in Civil Engineering (ISBN 978-93-85777-52-3), pp. 126-135	Phagwara, Punjab	2016
	"Modelling of MDD and OMC Using Artificial Neural Network", National Conference on Advances in Geotechnical Engineering (ISBN 978-93-85777-60-8), pp. 151-155	Aligarh, Uttar Pradesh	2016

6. Participation of Faculty in Short Term Courses

Name of Faculty	Name of Courses	Place	Dates
Dr Susheel Kumar	(One week) Residential training program on "Strategic Management Capacity Building"	Port Blair, Andaman & Nicobar	16-20 Nov 2016

7. Visitors to the Department

Name	Affiliation	Purpose	Dates
NIL	NIL	NIL	NIL

8. (i) Consultancy Projects

Principal Investigator	Title of the Project	Sponsoring Agency	Outlay
Pr. N. Dev	3rd Party Quality Control/Assurance (TPQA) in projects being executed by CPWD under Gwalior project Division	CPWD, GWALIOR	72.76 Lakhs
Mr. B.R.G. Robert	Third Party inspection/quality assurance for "Improvement of corridor between Mukarba Chowk to WazirabadChowk. SH: C/o parallel road in Zone F-1 on the outer side of Nallah from Sanjay Gandhi Transport Nagar to Wazirabad Chowk."	PWD, Delhi	69.9 Lakhs
	Third Party inspection/quality assurance for "Comprehensive development of corridor (outer ring road) between Mukarka Chowk to Wazirabad Chowk. SH: C/o Flyovers, Loops, Bridges, across suplementry drain FOBs, Footpath, Cycle track, Widening of road on embankment. Rain Water harvesting scheme, electrical works and other allied works."	PWD, Delhi	442 Crores
	"Construction of 7000 additional classrooms in various existing school. Under Education Zone (M), New Delhi (Priority-I) (SH: C/o main SPS type building i/c internal & external water supply, sanitary installation, development of site etc.)"	PWD, Delhi	800 Crores
	Various project undertaken by HSCC under AIIMS, New Delhi- Empanelment of third party quality inspection agency reg.	AIIMS, New Delhi	1500 Crores

9. Workshops/Events/Visits organised by Civil Department, DTU

TEQIP FDP

1. Faculty Development Program (TEQIP-II) was organized from 18th to 22nd April, 2016 with Prof. NirendraDev as the Chairman. The short term course was on "Recent Trends in Geo-environmental Engineering" with Dr.RajuSarkar as the Course Coordinator and Prof. A.K. Sahu as the Co-coordinator. The course covered topics ranging from sources and effects of subsurface contamination, Landfill and its uses, engineering properties of waste material.
2. Faculty Development Program (TEQIP-II) were organized with Prof. NirendraDev as the chairman. FDP on "Geotechnical Engineering for Urban Infrastructure" was organized from 11th July to 15th July with Dr.Amit Kumar Srivastava as the Course Coordinator and Dr.Munendra Kumar and Mr. S. Anbu Kumar as the Co-coordinators of this short term course which was based on The Geotechnical Challenges faced by engineers in building projects and highways.

3. Faculty Development Program (TEQIP-II) on "Recent Developments in Fluid Mechanics" was organized from 18th July to 22nd July with Dr.Munendra Kumar as the Course Coordinator and Dr.Amit Kumar Srivastava, Dr. T. Vijaya Kumar and Mr. S. Anbu Kumar as the Cocoordinators of this short term course which was based on Fluid Statics, Fluid Kinematics, Hydrodynamic Stability, Forces on Submerged Bodies.

GIAN

A 2-week GIAN course on "Geotechnical Structures, Geosynthesis, Reinforcement and Con nement" was conducted in September-October, 2016.Dr. Sanjay Kumar Shukla, Editor-In-Chief, The International Journal of Geosynthetics and Ground Engineering (Springer International Publishing, Switzerland) and Dr. A Trivedi, Professor, Dept. of Civil Engineering, and Dean, Industrial Research, DTU, were the faculty members for this course..

Details : Global Initiative of Academic Network (GIAN) is a Govt. of India initiative which aims at tapping the talent pool of international faculties and encourages their engagement with the Higher Education in India. DTU has been selected as one of the institutions which will offer courses as a part of the GIAN program. Both courses were open for all B.Tech. andM.Tech. students, Ph.D. research scholars, faculty members, executives, engineers and researchers from manufacturing, service and government organizations including R&D laboratories.

SURVEY CAMP

A 14 day survey camp was organised in the DTU campus during month of July by the Civil Engineering Department under the guidance of Mr.Anbu Kumar, Dr. Amit Shrivastava, Prof Susheel Kumar, Mr. B.R G.Robert. It successfully gave the students of 3rd year a practical insight of various on field practises regarding certain type of engineering surveys and Total Station.

INDUSTRIAL VISIT

The Dept. of Civil Engineering organized a Survey Camp for 5th semester B. Tech. Students in Kullu, Himachal Pradesh in October, 2016, with Dr.Munendra Kumar, Mr. S. Anbu kumar, and Mr. B.R.G. Robert, as the Coordinators for this camp.

Details : A group of 120 students undertook the tour of the Malana Hydroelectric Plant under the guidance of plant in charge, Mr. H. S. Beshtoo. The trip included another industrial visit to Largi Hydroelectric Plant situated on Beas river. The visit introduced the students to the practical importance of reservoirs and turbine mechanisms in energy generation as well as underlying the significance of proper site selection such as the suitable mountainous terrain in Malana and Largi.

4.6 Department of Computer Science and Engineering

Academic Staff: 26; Students Admitted: UG-, 576, PG-37, Ph.D.13; Publications: Journals/Papers: 23 Conference/ Symp-00 New Projects- 1

1. Salient Features:

The Department of Computer Science and Engineering endeavors 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. Department has developed state-of-the-art laboratories in the various fields of Computer Engineering-Computer Architecture Lab, Network Lab, Web Designing Lab, Computation and programming Lab, Operating System Lab, Artificial Intelligence Lab and many others. Currently the department offers Doctorate, post-graduate & under-graduate courses in fields of Computer Engineering; Information Technology & Software Engineering & Technology. 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's chapters.

2. Academic Staff

Professors: 01

Dr. Daya Gupta, (Retd.) M.Sc, Post M.Sc. Diploma (Computers Sc.),Ph.D. Software Engineering , Artificial, Intelligence, Data Mining and Security Engineering, Email: dgupta@dce.ac.in

Associate Professors:04

Dr. Rajini Jindal, (head of the Department) MCA, ME, Ph.D. Database Systems, Data Mining and Operating Systems

Dr. Kapil Sharma, B.E., M.Tech, Ph.D. Software Engg., Optimization, Soft Computing Techniques, Email: kapil@ieee.org

Mr. Vinod Kumar, BE, M.Tech Computer Network, Email: vinodkumar@dce.edu

Mr. Manoj Kumar, B.Tech, M.Tech Information Security, Email: mkg1109@rediffmail.com mkumarg@dce.ac.in

Assistant Professors: 20

Dr. Akshi Kumar, BE, M.Tech, Ph.D.Web Technologies, Text Mining, Sentiment Analysis, Recommender Systems, Social & Semantic Web, User-generated Big-Data. Email: akshikumar@dce.ac.in

Mr. Rajesh Kumar Yadav, B.Tech, M.Tech. Mobile Computing, Wireless, Sensor Network, Computer Networks, Theory of Computation, PCA. Email: rkyadav@dce.edu

Dr. Ruchika Malhotra, MCA, Ph.D. Software Testing, Software Engineering, OOSE, Software Quality Management, Software Requirement and Estimation, Machine Learning, DBMS. Email: ruchikamalhotra@dce.edu

Ms. Divyashikha Sethia, M.Tech. Distributed Systems, Computer Networks, Algorithms, Mobile Computing, Crytography. Email: divyashikha@dce.edu

Ms. Abhilasha Sharma, B.Tech, M.Tech. Software Engineering, Software Testing, DBMS, Web Technology, Web Security, Email: abhilasha_sharma87@yahoo.com

Mr. Rohit Beniwal, B.Tech, M.Tech. Social Web, Semantic Web, Software Engineering. Email: rohitbeniwal@dtu.ac.in

Ms. Minni Jain, B.Tech, M.Tech. Natural Language Processing, Sentiment Analysis, Information Security. Email: minnijain@dtu.ac.in

Mr. Nipun Bansal, B.Tech, M.Tech. Information Security, Biometric Security, Network Security. Email: nipunbansal@dtu.ac.in

Mr. Sanjay Kumar, B.Tech, M.Tech. Database Systems, Data Science, Information Security and Algorithms. Email: sanjay.kumar@dtu.ac.in

Mr. Sanjay Patidar, BE, ME. Theory of Computation, Operating Systems, Algorithm, Computer Architecture. Email: sanjaypatidar@dtu.ac.in

Ms. Sonika Dahiya, BE, M.Tech. Algorithms and Data Mining, Data Structures, Theory of Computation. Email: sonika.dahiya@dtu.ac.in

Mr. Prashant Giridhar Shambharkar, BE, M.Tech. Data Mining, Real Time Systems. Email: prashant.shambharkar@dtu.ac.in

Mr. Rahul Chandra, BE, M.Tech.Database, Data Structure. Email: rahulzhere023@gmail.com

Dr. Anil Singh Parihar, B.Tech, M.E, P.h.D Pattern Recognition, Computer Vision, Soft Computing, Image Processing, Evolutionary Computing, Biometric Systems, Artificial Intelligence Email: anil@dtu.ac.in

Dr. Seba Susan, P.h.D Computer Vision, Machine Learning, Data Mining, Pattern Recognition, Image Processing, Fuzzy-Neural Networks, Soft Computing Email: seba_406@yahoo.in

Dr. Rahul Katarya, B.Tech, M.Tech, P.h.D Big Data Analytics, Social Networks Analysis, Human Behavior, Multimedia Systems, Internet Technologies, Web Mining, Data Mining Email: rahulkatarya@dtu.ac.in

Mrs. Ritu Aggarwal, M.Tech Information Security, Digital Forensics Email: ritu.jeea@gmail.com

Mrs. Anamika Chauhan, B.Tech, M.Tech Sensor networks, Mobile and Vehicular Ad-hoc Networks Email: letter4ana@gmail.com

Mrs. Priyanka Meel, B,Tech, M.Tech Artificial Intelligence,Robotics, Optimization Algorithms, Graph Theory Email: priyankameel@dtu.ac.in

Mr. Jasraj Meena, B.Tech, M.Tech Parallel and Distributed Computing, Cloud Computing, Workflow Scheduling Email: jasrajmeena@dtu.ac.in

Programmer 02

Dr. S. K. Saxena, Ph.D., M.E., PGDCA, CPF (I) Computer Graphics & Object Oriented Programming, Email: saxena58@gmail.com

Mr. Manoj Sethi, M.Sc. (OR), M.E. (CTA), LMCSI Database Management Systems, Email: manojsethi@dce.ac.in

3. Honors and Awards to Faculty Members

Prof. Daya Gupta

- Session Chair in IEEE India International Conference on Information Processing (IICIP), 12-14 August 2016, held at DTU, Delhi.

Dr. Rajni Jindal

- Organizing Chair of IEEE India International Conference on Information Processing (IICIP), 12-14 August 2016, held at DTU, Delhi.
- Session Chair in IEEE India International Conference on Information Processing (IICIP), 12-14 August 2016, held at DTU, Delhi.

Dr. Kapil Sharma

- Session Chair in IEEE India International Conference on Information Processing (IICIP), 12-14 August 2016, held at DTU, Delhi.
- Session Chair in IEEE India International Conference on Computing for Sustainable Global Development, 01-03 March 2017, held at Bharati Vidyapeeth, New Delhi (INDIA).

Dr. Akshi Kumar

- Session Chair in IEEE India International Conference on Information Processing (IICIP), 12-14 August 2016, held at DTU, Delhi.
- Session Chair in International Conference of Computer Science and Engineering (ICCSE), World Congress of Engineering, 29 June- 01 July2016, held at UK, London.
- Received Best Paper Award in June 2017 for the work published in Springer.

Dr. Ruchika Malhotra

- Co-organizing Chair of IEEE India International Conference on Information Processing (IICIP), 12-14 August 2016, held at DTU, Delhi.
- Session Chair in IEEE India International Conference on Information Processing (IICIP), 12-14 August 2016, held at DTU, Delhi.

Mr. Rajesh Kumar Yadav

- Session Chair in IEEE India International Conference on Information Processing (IICIP), 12-14 August 2016, held at DTU, Delhi.

Mr. Anil Singh Parihar

- Session Chair in IEEE India International Conference on Information Processing (IICIP), 12-14 August 2016, held at DTU, Delhi.

4. Visit of Faculty Members to Other Institutions

Name of Faculty	Name of Institute/ Organization Visited	Purpose of Visit	Dates
Prof. O.P Verma	School of Computer and Information Science, Indira Gandhi Open University	BoS Meeting	June 2016
	SGT University, Gurgaon	BoS Meeting	June 2016
Dr. Rajni Jindal	NIT Patna	PhD Progress Evaluation	Dec 2016
Dr. Akshi Kumar	NSIT, Delhi	MTech Thesis Evaluation	Dec 2016
Ms .Divya Shikha Sethia	DST, DIFAC	Interview	March 2017

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

Name of the Faculty	Details of Conference / Seminar / Symposia / Workshop/Guest Lecture	Venue	Dates
Dr. Rajni Jindal	International Conference on Inventive Computation Technologies	Coimbatore, India,	26-27 Aug, 2016.
	India International Conference on Information Processing (IICIP) 2016	DTU, Delhi	12-14 Aug 2016
Dr. Akshi Kumar	World Congress on Engineering, International Association of engineers (IAENG) 2016 (Paper Presentation)	UK, London	29 June – 1 July 2016
	International Conference on Theory and Practice of Electronic Governance (ICEGOV) 2017 (Paper Presentation)	New Delhi, India	7-9 March 2017
	India International Conference on Information Processing (IICIP) 2016 (Paper Presentation)	DTU, Delhi	12-14 Aug 2016
	Expert Lecture on 'Web Technology'	Doon Valley Institute of Engineering & Technology	22 July 2017
	Expert Lecture on 'Role of NLP in Social Media Mining of Sentiments' at 1 week FDP	,HCST, Mathura, India	24-29 July 2017
Dr. Ruchika Malhotra	GECCO '17 Tthe Genetic and Evolutionary Computation Conference Companion (Paper Presentation)	Berlin, Germany	July 15 - 19, 2017
	India International Conference on Information Processing (IICIP) 2016	DTU, Delhi	12-14 Aug 2016
	Tutorial titled "Software Quality Predictive Modeling: An Effective Assessment of Experimental Data" in International Conference on Advances in Computing, Communications and Informatics (ICACCI 2016),	Jaipur. India	September 21-24, 2016
	Presented tutorial titled "Software Quality Predictive Modeling: An Effective Assessment of Experimental Data", In Innovations in Software Engineering Conference,	Jaipur, India,	Feb 5-7, 2017.
Ms. Divya shikha Sethia	Selected talk on "Secure Distributed Backup Management Of Personal Health Records", E-Health" , IADIS	Portugal,	20-22 July 2016
	Selected talk "Mutual Authentication Protocol For Secure Nfc Based Mobile Health card", IASDIS	Portugal,	20-22 July 2016

6. Participation of Faculty in Short Term Courses

Name of Faculty	Name of Courses	Place	Dates
Dr. Rajni Jindal	Research Methodology	DTU, Delhi	Dec 2016
Dr. Ruchika Malhotra	Research Methodology	DTU, Delhi	Dec 2016
Mr. Sanjay Kumar	Research Methodology	DTU, Delhi	Dec 2016
Mr. Sanjay Patidar	High Performance Computation	IIT Delhi	June 12-23 2017
Ms.Sonika Dahiya	FDP in data sciences and big data analysis	GGSIPU, Delhi	June 12 – 16 , 2017
Mr. Rahul	Recent Advances in Computational Techniques in Engineering, TEQIP-II	SLIET, Longowal, Punjab	Oct 17-21 , 2016
	Frontiers in Electronics and Communication Engineering, TEQIP-II	SLIET, Longowal, Punjab	Sep 19-23, 2016
Dr. Akshi Kumar	Faculty Development Program On Emerging Trends in Computer and Electronics Communications	Ambedkar Institute of Advanced Communication Technologies & Research	March 6-10, 2017
	Research Methodology	DTU, Delhi	Dec 2016
Mr. RK Yadav	Faculty Development Program On Emerging Trends in Computer and Electronics Communications	Ambedkar Institute of Advanced Communication Technologies & Research	March 6-10, 2017
Mr. Vinod Kumar	Faculty Development Program On Emerging Trends in Computer and Electronics Communications	Ambedkar Institute of Advanced Communication Technologies & Research	March 6-10, 2017

7. Visitors to the Department

Name	Affiliation	Purpose	Dates
Prof. M.N. Doja	Jamia Millia Islamia, Delhi	PhD Registration SRC	June 2017
Prof. A.K. Tripathi	IIT-BHU	PhD Thesis Evaluation	Dec 2016
Prof. R.K.Garg	DCRUST, Murthal	PhD Registration SRC	June 2017
Prof. MPS Bhatia	NSIT, Delhi	PhD Registration SRC, M.Tech Thesis Evaluation	June 2017, July 2017
Prof. L.K. Awasthi	NIT, Jalandhar	PhD Thesis Evaluation	Dec 2016
Prof. S.K Singh	IIT-BHU	PhD Thesis Evaluation	Feb 2017
Prof. R.K Agarwal	JNU	M.Tech Thesis Evaluation	July 2017
Prof. Anju Agarwal	DU	M.Tech Thesis Evaluation	July 2017

8. Conference/Seminar/Symposia/Workshops Organized by the Department

Organizing Secretary	Details of Conference / Seminar / Symposia / Workshop/Guest Lecture	Venue	Dates
Dr. Rajni Jindal	IEEE IICIP 2016	DTU, Delhi	12-14 Aug 2016
Mr. Manoj Sethi	Cyber security challenges in digital India	DTU, Delhi	7-Nov 2016

9. List of Candidates Awarded Ph. D. Degree

Name of Student	Nationality	Gender (Male/ Female)	Category (Gen/SC/ ST/PD)	Title of thesis
Mrs. Anuradha Chugh	Indian	Female	General	Improving software maintenance using software metric.
Mr. Anil Singh Parihar	Indian	Male	General	Application of soft computing in image processing.
Mr. Rahul Katarya	Indian	Male	General	Recommender systems prominence with Web Mining Applications.

10. (i) Completed Sponsored Research Projects

NIL

(ii) New Sponsored Research Projects

Principal Investigator	Title of the Project	Sponsoring Agency
Dr. Kapil Sharma	Malware Analysis	DRDO

11. Important Professional Affiliations:

- Dr. Rajni Jindal, LMCSI, LMISTE, Senior member IEEE
- Dr. Akshi Kumar, LMCSI, LMISTE
- Dr. Ruchika Malhotra, Member, ACM
- Mr. R K Yadav, member IEEE, member IAENG
- Ms. Divyashikha Sethia, member IEEE, member ACM
- Mr.Rohit Beniwal, member CSI, member ISTE
- Mr.Prashant Giridhar Shambharkar, member CSI

4.7 Delhi School of Management

Academic Staff: 08; Students Admitted: PG-MBA-80, MBA (E) -35, Ph.D. –07
Publication: Papers Journals: 30, Conference/Symp: 06

1. 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.

2. Academic Staff:

Professors: 03

Dr. Rajan Yadav, Head of the Department MBA,Ph.D., Services Marketing, Sales and Distribution Management, Rural Marketing, Social Marketing, Retail Management, Email:raj_yadav1974@yahoo.co.in

Dr. Pradeep Kumar Suri, M.Tech, Ph.D.E-Governance, Project Management, Quantitative Methods, Email:pksuri@dce.ac.in

Prof. Girish Chandra Maheshwari, Ph.D. Finance, Accounting and Strategy Area, Email:gcmaheshwari2004@yahoo.com

Assistant Professors:04

Dr. Shikha N. Khera, MBA, NET, Ph.D., Organizational Behaviour, Organizational Development, Email:shikhankhera@yahoo.co.in

Mr. Vikas Gupta, MBA, NET Knowledge Management, Innovation Management, Business Process Re-engineering, Corporate Social Responsibility, Email: vikasguptadtu@gmail.com

Dr. Archana Singh, MBA (Finance), Ph.D. Corporate Finance, Financial Accounting, Security Analysis, Email:sarchana03@yahoo.co.in

Ms. Meha Joshi, MBA, NET, Organizational Development, Customer Relationship Management, Talent Management, Email: mehajoshi83@gmail.com

Mr. Abhinav Chaudhary, BE, MBA, NET Production and Operations Management, Business System Analysis and Design, International Marketing Management, Email: abhinav.dtu@gmail.com

3. Honors and Awards to Faculty Members

P.K. Suri	President (Honorary), Global Institute of Flexible Systems Management
	Member, Advisory Board "International Conference on "Strategies in Volatile and Uncertain Environment for Emerging Markets" on 14th and 15th July 2017 at IIT Delhi campus.

4. Visit of Faculty Members to Other Institutions

Name of Faculty	Name of Institute/ Organization Visited	Purpose of Visit	Dates
Dr. Vikas Gupta	Gujarat Technological University	Ph.D Viva External Examiner	06 May, 2017
	Indian Institute of Management Ahmedabad	To attend Case Method Teaching Seminar	21-22 Oct., 2016
	Maharaja Agrasen Institute of Management Studies(MAIMS)	Judge the Case Study Competition	8 April, 2016
P.K. Suri	UTS Business School, Sydney	Presented a paper in the GLOGIFT16 international conference	4-6, Dec 2016

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

Organizing Secretary	Details of Conference / Seminar / Symposia / Workshop/Guest Lecture	Venue	Dates
Dr. Raju Sarkar	Dr. Archana Singh, Dr. Shikha N Khera ,Meha Joshi and Abhinav Chaudhary attended One week TEQIP – II sponsored FDP on "Recent Trends in Geoenvironment engineering"	Department of Civil Engineering, Delhi technological University, Delhi.	18-22 April, 2016
INSTITUTE OF BUSINESS STUDIES	Mr.Abhinav Chaudhary participated in the conference on "Demonetization, Digital India and Cashless Economy: A Socio Economic Transformation"	CCS University	17-03-2017
The Times of India	Dr.Vikas Gupta participated in conference on "Skills Inc. (Empowering Education Through Skill Development)"	Hotel Shangri-La, Delhi	5 August 2016
CII	Dr.Vikas Gupta participated in "CII Digital India TELECOM Convergence" Summit	The Hotel ITC Maurya	30 Sep 2016
Business World	Dr.Vikas Gupta participated in Future of Education Summit	Radisson Blu, Noida	7 April, 2017
The Times of India	Dr.Vikas Gupta participated in "Bridge 2017"	The Lalit, Barakhamba Avenue, Delhi	9 June 2017

Organizing Secretary	Details of Conference / Seminar / Symposia / Workshop/Guest Lecture	Venue	Dates
Business World	Dr.Vikas Gupta participated in workshop on Future of Worklplace, Talent & Jobs	Le Meridian, Delhi	15 June, 2017
National Council for Training & Social Research	Dr.P.K.Suridelivered Lecture to a group of Indian Forest Service Officers: "An Overview of E-governance initiatives in agriculture and allied sector"	Forest Research Institute, Dehradun	Jan 5, 2017
National Council of Applied Economics Research	Dr.P.K.Suri participated in "The India Launch of Digital Dividends The 2016 World Development Report and a roundtable on India's digital transformation"	India Habitat Centre, New Delhi	May 10, 2016
Institute of Secretarial Training Management	Dr.P.K.Suri delivered Lecture to a group of Under Secretaries to the Govt. Of India, Introduction to Project Management	ISTM, New Delhi	May 23, 2016
Mr. Sayed	Dr.Meha Joshi attended conference on" Skilling India for global competitiveness" organized by Ph.D Chamber of commerce on 19th April 2016 presided over by Hon. Vice President of India, Shri Hamid Ansari	PHD CHAMBER OF COMMERCE	19, April 2016
Mr. Vipin and Mr. RangnathSingari	Dr.Meha Joshi attended International conference on Advanced Production and Industrial Engineering	DTU	9-10 December 2016
	Dr.Shikha N Khera presented paper on title "Designing Organization Structure for Tacit and Explicit Knowledge Sharing Using Ancient Wisdom" National Conference of InSIS on Ancient Wisdom and Multimedia Learning Transforms Modern Education	DSM, DTU	14-15 October, 2016
	Dr.Shikha N Khera presented paperon title "Modern Packaging of the Ancient Wisdon" National Conference of InSIS on Ancient Wisdom and Multimedia Learning Transforms Modern Education	DSM, DTU	14-15 October, 2016
	Dr.Shikha N Khera presented paper at International Conference on Sustainable Development through Research in Engineering and Management (SDREM-16).	YMCA University of Science and Technology, Faridabad	26-27 December, 2016
	Dr.Shikha N Khera presented paper at National Conference on "Embracing the digital era: Management Perspectives"	IP University	13 Jan., 2017

Organizing Secretary	Details of Conference / Seminar / Symposia / Workshop/Guest Lecture	Venue	Dates
	Dr.Shikha N Khera presented paper at National Conference on Assessment of25 years of Globalization in India.	IP University	12 September, 2016
	Dr.Shikha N Khera Delivered Lecture on Data Collection at one week faculty development program on "Research Methodology"	DTU	15 December, 2016

6. Participation of Faculty in Short Term Courses

Name of Faculty	Name of Courses	Place	Dates
Dr.Vikas Gupta	One-week TEQIP – II sponsored FDP on Statistical Methods & a brief on LaTeX	Department of Applied Mathematics, Delhi Technological University	18-22 JULY, 2016
	One-week TEQIP – II sponsored FDP on Recent Development and Challenges in Materials and Manufacturing Process	Department of Mechanical, Production, Automobile and Industrial Engineering, Delhi Technological University	25-29 July 2016
	One-week TEQIP – II sponsored FDP on Advances in Microelectronics and Plasma Diagnostics (AMPD-2016)	Applied Physics, Delhi Technological University	August 29 - September 2, 2016,
	Short Term Training Programme on Research Methodology	DSM, DTU	14-18 December, 2016
	AMOM 2017	MPIAE, DTU	15-28 May, 2017
Dr.Meha Joshi	Short term training programme on Research Methodology	DSM	14-18 December2016

7. Visitors to the Department

Name	Affiliation	Purpose	Dates
Dr. S. C Sharma	Associate Prof., SRCC, DU	Value Added Lecture on Derivatives and Risk management	April, 2016

8. Conference/Seminar/Symposia/Workshops Organized by the Department

Organizing Secretary	Details of Conference / Seminar / Symposia / Workshop/Guest Lecture	Venue	Dates
Prof. Rajan Yadav	Dr.Meha Joshi attended short term training programme on Research Methodology	DSM, DTU	14-18 December 2017
Dr. hikha N Khera	Management HR conclave	DTU	9 February, 2017
Dr. Shikha N Khera	Management Quiz	DTU	15 February, 2017

Organizing Secretary	Details of Conference / Seminar / Symposia / Workshop/Guest Lecture	Venue	Dates
Dr. Shikha N Khera	Co coordinator for 2 days seminar on (Ancient Wisdom and Multimedia Learning Transforms Modern Education)	DTU	14 -15 October, 2016
Dr. Shikha N Khera	Co coordinator one week faculty development program on "Research Methodology"	DTU	14 – 18 December, 2016

9. Completed Sponsored Research Projects

Principal Investigator	Title of Project	Sponsoring Agency	Outlay (amount in Lakhs of Rupees`)
Prof. P. K. Suri	Training of Women in Delhi for creating women Entrepreneurs/Data Entry operators with an exposure to Tally, to promote awareness and to enhance vocational skills of women	NIELIT (National Institute of Electronics & Information Technology)	99, 180/-

10. Important Professional Affiliations:

Dr.P.K.Suri	Life Member, Global Institute of Flexible Systems Management
Prof. Rajan Yadav	Life Member, Global Institute of Flexible Systems Management

Book

Suri P.K. and Sushil (2017) Strategic Planning and Implementation of E-governance, Springer.

Reports

Consultancy Reports to UN FAO on Strengthening Agricultural Market Information Systems (AMIS) in India using innovative methods and digital technology:

- Suri P.K. and Kumar A. (2016) Review of Agricultural Commodities' Prices and Arrivals Information Systems of Select Centre Government Organizations for the four AMIS Commodities – Wheat, Paddy, Maize and Soyabean.
- Suri P.K. (2016) A Review of Commodity-Variety Directory.
- Suri P.K. (2016) Collection and Dissemination of Commodity Prices and Arrivals from Agricultural Markets and Related Market Information: A Gap Analysis.
- Suri P.K. (2016) Recommonded Framework for a harmonized Inter-Organizational Agricultural Marketing Information system.

4.8 Department of Electronics and Communication Engineering

Academic Staff: 27; Students Admitted: UG-184, PG- 52; Ph.D. 16; Publications: Journal Papers 67; Conference/ Symp.90;

1. Salient Features:

The Department of Electronics and Communication Engineering has seen considerable growth since its inception in 1976.This department offers UG/ PG and Ph.D programmes. Currently the Department has 11 well equipped curricuulam laboratories and 4 research laboratories. Frontal areas of the advance level research in the department are Micro strip antenna design, Sensor Networks, Image processing and Analog and digital system design. The Department regularly organizes seminars, workshops and training programs to keep pace with the new developments and recent trends in relevant technologies.The Department plans to have center of excellence in the field of robotics, machine vision, medical electronics and VLSI in collaboration with industry. The department is planning to impart training program in cutting edge technologies for creating a talent hub to meet industrial manpower needs. Department is striving to utilize the power of brilliant minds at DTU and its networked institution/research laboratories for design and development of future electronics.

2. Academic Staff

Professors:08

Dr. S. Indu, Head of the Department, B.Tech, M.Tech, Ph.D. Computer Vision, wireless sensor networks, Image Processing, Email: sindu@dce.ac.in

Dr. Asok De, B.E., M.E, Ph.D. Communication & Microwave, Email: asokde@dce.edu

Dr. D. R. Bhaskar, B.Tech, M.Tech, Ph.D., Bipolar and CMOS Analogue Integrated Circuits, Email:drbhaskar@dtu.ac.in

Dr. Rajiv Kapoor (On diverted capacity to AIACT, Delhi), BE, ME, Ph.D. Electronics & Communication, Email: rajivkapoor@dce.ac.in

Dr. O. P. Verma, (On Deputation) B.E., M.Tech(IITD),Ph.D. Image Processing, Signal Processing, Soft Computing, Artificial Intelligence, Email: opverma@dce.ac.in

Dr. N.S. Raghava, Ph.D. Antenna and Propagation, Microwave Engineering, Digital Communication, Wireless comm., Cloud Computing, Information Security, Email: nsraghava@dce.ac.in

Dr. Rajeshwari Pandey, B.Tech, ME Linear Integrated Circuits, Fiber Optical Communication, Email: rpandey@dce.ac.in

Dr. Neeta Pandey, Ph.D. Analog Electronics

Associate Professors: 05

Mr. Rajesh Rohilla, BE, M.Tech Electronics & Communication, Email: rajesh@dce.ac.in

Mr. Jeebananda Panda, ME Applied Electronics, Email: jpanda@dce.ac.in

Mr. Mahipal Singh Choudhary, B.Tech, M.Tech Antenna and Propagation, Email: msc_1976@yahoo.com

Mr. Rajesh Birok, B.Tech, M.Tech Bio-medical Instrumentation, Email: rbirok@gmail.com

Mr. Alok Kumar Singh, BE, M.Tech Linear Integrated Circuits, Fiber Optical Communication, Email: aksingh@dce.ac.in

Assistant Professors:14

Mr. Deva Nand, B.Tech, M.Tech Micro Electronics, VLSI Design, Email: devkamboj71@gmail.com

Mr. Dinesh Kumar Vishwakarma, B.Tech, M.Tech, Ph.D. Computer Vision, Human-Computer Interaction, Human Pose and Gesture Analysis, Machine Learning, Image Quality Improvement and Artificial Intelligence., Email: dinesh@dtu.ac.in , dvishwakarma@gmail.com

Mr. Avinash Ratre (Study leave under QIP), B.Tech, M.Tech Digital Signal Processing, Email: avinash.ratre@gmail.com

Mr. Ajai K. Gautam, B.Tech, M.Tech Electronics & Communications, Email: ajai.gautam@gmail.com

Ms. N. Jayanthi, M.Tech, Electronics & Communication.

Dr. Priyanka Jain, B.Tech, M.Tech, Ph.D. Microwave Engineering, Digital Signal Processing, Email: priyajain2000@rediffmail.com

Dr. Sudipta Majumdar, B.Tech, M.Tech, Ph.D. Electronics & Communications, Email: korsudipta@rediffmail.com

Dr. Malti Bansal, B.Tech, M.Tech, Ph.D. Electronics & Communications.

Dr. Nidhi Taneja (On Lien), Ph.D. Electronics & Communications

Dr. Yashna Sharma, B.Tech, M.Tech, Ph.D. Electronics & Communications.

Mr. Piyush Tiwari, B.Tech, M.Tech, Electronics & Communications.

Mr. Anurag Chauhan, B.Tech, M.Tech, Electronics & Communications.

Mr. Anand, B.Tech, M.Tech, Electronics & Communications.

Kriti Suneja, M.Tech, B.Tech (hons.) , VLSI Design Email: kritisuneja@dtu.ac.in

3. Honors and Awards to Faculty Members

Dr. S. Indu:

- Reviewer of Sadhana - Academy Proceedings in Engineering Science
- Outstanding Branch Counselor award, IEEE Delhi Section, 2016
- SRC member of School of computer Science and system, JNU
- PG Admission Coordinator

Reviewer (International Conferences)

- NCVPRIPG 2017
- ICAPR 2017
- ICVGIP 2016
- Technical Chair of IICIP 2016
- Examiner of Ph.D Viva Voce examination of Anna University
- Selection committee member for recruitment to various Group-A S&Tand Non-S&T posts in National Institute of Electronics and InformationTechnology
- Best paper award for the paper entitled “Edge Detection Method based on Cellular Automata” in an Inter National Conference “International Conference on Contemporarary issues in Science, Engineering &Management (ICCI-SEM-2017) held at GIFT, Bhubaneswar, Odisha during 18th and 19th Feb 2017 .

Dr. N.S. Raghava

- Faculty Advisor for sponsored research on autonomous aerial vehicle development project by multidisciplinary students for the past six years
- Faculty Advisor for sponsored research on RORO project by multidisciplinary students

Dr. Rajeshwari Pandey

- Publication chair, India International Conference on Information Processing,2016.
- Chaired session in India International Conference on Information Processing,2016

Dr. Neeta Pandey:

Technical Program committee member:

- 4th International Conference on Signal Processing and Integrated Networks, SPIN-2017

Editorial Board

- AEUInternational Journal of Electronics and Communications (Elsevier)

Reviewer (International Journals)

- IEEE Transactions on VLSI
- Electronics Letters
- Microelectronics Journal (Elsevier)
- International Journal of Electronics (Taylor and Francis)
- AEUInternational Journal of Electronics and Communications (Elsevier)
- Analog Integrated circuits and signal processing(Springer)
- Advances in Electrical and Electronic Engineering
- Turkish Journal of Electrical Engineering & Computer Sciences
- Reviewer (International Conferences)
- 2017 International Conference on Computational Techniques in Information and Communication Technologies (ICCTICT) - VLSI Design and Automation
- 4th International Conference on signal processing and integrated networks, 2017
- Finance -Co chair, India International Conference on Information Processing, 2016.
- Chaired session in India International Conference on Information Processing, 2016

4. Visit of Faculty Members to Other Institutions

Name of Faculty	Name of Institute/ Organization Visited	Purpose of Visit	Dates
S Indu	Birla Institute of Scientific Research Jaipur NIELIT NIELIT	Attend a meeting and present a proposal for participating in a collaborative project As a member of selection committee	15-16 July 2017 1/08/2017 15/09/2017
Rajeshwari Pandey	MIT, Pune, Maharashtra	To attend Congress	23-25 Sept 2016
Neeta Pandey	MIT, Pune, Maharashtra	To attend Congress	23-25 Sept 2016
DK Vishwakarma	JIIT, Noida	Expert Talk/Invited Lecture	02.09.2017
	NSIT, DELHI	Expert Talk/Invited Lecture	19.07.2017
	RKGIT, Ghaziabad	Expert Talk/Invited Lecture	06.02.2017
	NIT, Kurushestra	Expert Talk/Invited Lecture	14.12.2016

Name of Faculty	Name of Institute/ Organization Visited	Purpose of Visit	Dates
	GNDEC, Ludhiana	Expert Talk/Invited Lecture	21.10.2017
	GCET, Greater Noida, Uttar Pradesh, India	Expert Talk/Invited Lecture	23.09.2016
	GCET, Greater Noida, Uttar Pradesh, India	Expert Talk/Invited Lecture	25.02.2016
J Panda	Directorate General of Training, Ministry of skill development & Entrepreneurship, New Delhi-110001 .	Technical Advisory Committee on Norms and Courses for vetting "Civil norms and Procedural norms for establishing an ITIs	02/03/2017 14/03/2017

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

Name of Faculty	Details of Conference/Seminar/ Symposia / Workshop/Guest Lecture	Venue	Dates
S. Indu	International Conference on Computer Vision, Graphics and Image Processing	IIT Guwahati	18-22 Dec, 2017
Rajeshwari Pandey	7th International Conference on Electricals and Electronics Manufacturing with the theme of "Inspiring Confidence"	Hotel Leela, Chanakyapuri, New Delhi	31st May, 2017
	National Teachers' Congress (NTC), Pune	MIT Pune	September 23-25, 2016
	Expert lecture series on "Analog IC Design"	DTU	October 25-26, 2016
Neeta Pandey	7th International Conference on Electricals and Electronics Manufacturing with the theme of "Inspiring Confidence"	Hotel Leela, Chanakyapuri, New Delhi	31st May, 2017
	National Teachers' Congress (NTC), Pune	MIT Pune	September 23-25, 2016
	Expert lecture series on "Analog IC Design"	DTU	October 25-26, 2016
Yashna Sharma	Photonics Global Conference, 2017 (Held at the Sands Expo Convention Center, Singapore)	Singapore	31st July-4th August, 2017
Deva Nand	Published paper "Universal Biquadratic Filter using Operational Floating Current Conveyor (OFCC)" in 28th International Conference on Microelectronics (ICM-2016)	Nile University, Cairo, Egypt	December 17-20, 2016

Name of Faculty	Details of Conference/Seminar/ Symposia / Workshop/Guest Lecture	Venue	Dates
Jeebananda Panda	First IEEE International Conference on Power Electronics, Intelligent Control and Energy Systems	DTU , Delhi.	4-6 July 2016
	India International Conference on Information Processing	DTU, Delhi	12-14 Aug, 2016
	2nd Indian National conference on applied Mechanics-INCAM 2015	IIT,Delhi	July 13-15,2015
	National Workshop on Power Electronics(NWPE-2015)	DTU	Nov. 6 – 7, 2015
Dinesh K. Vishwakarma	Presented a research paper entitled "A framework for Human-Computer Interaction using Dynamic Time Warping and Neural Network" in an IEEE International Conference on Inventive Computing and Informatics 2017	REC Kalvi Nagar, Coimbatore	23.11.2017 to 24.11.2017
	Presented a research paper entitled "Hand Gesture Recognition using Shape and Texture evidences in Complex Background" in an IEEE International Conference on Inventive Computing and Informatics 2017	REC Kalvi Nagar, Coimbatore	23.11.2017 to 24.11.2017
	Presented a research paper entitled "Sparse Coding based Robust Image Denoising via Coupled Dictionary" in an IEEE Conference on Information Processing,	Delhi	12.08.2016 to 14.08.16
	Presented a research entitled "Simple and Intelligent system to recognize the expression of speech disabled person" in 4TH IEEE international Conference on "Intelligent Human Computer Interaction 2012 (IHCI2012)	IIT Kharagpur, India.	27th to 29TH December 2012
	Presented research paper entitled "A Non-Linear Optical (NLO) material for optical fiber communication application" in an International conference on "Electro-ceramic"	University of Delhi, Delhi.	13th TO 17th December, 2009
	Attended International conference on "Recent advances in mechanical engineering (RAME-2916)"	Department of Mechanical Engineering, DTU, Delhi.	14-6 October, 2016
	Participated in a seminar on "Cyber Security Challenges in Digital India"	DTU, Delhi.	November 07, 2016
Sudipta Majumdar	IEEE India International Conference on Information Processing(Worked as a member)	DTU	12-14 August, 2016

Name of Faculty	Details of Conference/Seminar/ Symposia / Workshop/Guest Lecture	Venue	Dates
Ajai Kumar Gautam	Work shop on Fundamental of Radiological source security	Deptt of Applied Physics DTU.	Smart class room DTU 4-6 sept, 2017
Priyanka Jain	JSS Academy of Technical Education, Noida	Attended one week workshop	5th -9th December 2016.
	I.T,S College, Greater Noida	Attended International conference in advancement in Energy Driven and Control	2, April 2017
	BPIT	Attended two week ISTS STTP on “CMOS, Mixed Signal and Radio Frequency VLSI Design”	
N. Jayanthi	International conference on Sustainable Computing Techniques in Engineering, Science and Management (SCESM 2016) SN Education Society, India and URGCEE, USA	Hierank Business School, Noida	9th – 10th September, 2016.
	International Conference on Advances in Computing and DataSciences (ICACDS2016)	Krishna Engineering College, Ghaziabad (UP) India	November 11-12, 2016.
	International conference on Advance Material Technology (ICAMT 2016)	Dadi Institute of Engineering & Technology, Visakhapatnam, Andhra Pradesh, India	27th – 28th December, 2016.
	First IAPR summer school on Document Analysis: Document Informatics	Birla Auditorium, Birla institute of Scientific Research, Jaipur, Rajasthan	23rd – 28th January, 2017.

6. Participation of Faculty in Short Term Courses

S. No	Name of faculty	Name of course attended	Venue	Date
1.	Rajeshwari Pandey	Circuits, Microsystems and Packaging Techniques Intended for Autonomous Brain Machine Interfaces	Deptt. of ECE,DTU	December 20-24, 2016
2.	Neeta Pandey	Circuits, Microsystems and Packaging Techniques Intended for Autonomous Brain Machine Interfaces	DTU	December 20-24, 2016
		CMOS, Mixed Signal and Radio Frequency VLSI Design	Deptt. of ECE, BPIT, Rohini, Delhi (By IIT, Kharagpur)	30th January 2017 to 4th February 2017
3	Dr.Yashna Sharma	Faculty Development Program on 'Android App Development'. GIAN COURSE on Intelligent transportation systems	DTU	18-22 SEPT,2017 27NOV-1DEC,2017
4	Ajai Gautam	One-week Government of NCT Sponsored faculty development programme on "Emerging Trends in Computer and Electronics Communications"	AIACTR Geeta Conely, Delhi.	March 6-10, 2017
5.	A. K. Singh	Circuits, Microsystems and Packaging Techniques Intended for Autonomous Brain Machine Interfaces	Deptt. of ECE, DTU	December 20-24, 2016
6	Deva Nand	Advances in Microelectronics and Plasma Diagnostics	Deptt. of Applied Physics, DTU	August 29-September 02, 2016.
		Circuits, Microsystems and Packaging Techniques Intended for Autonomous Brain Machine Interfaces	Deptt. of ECE, DTU	December 20-24, 2016
		CMOS, Mixed Signal and Radio Frequency VLSI Design	Deptt. of ECE, BPIT, Rohini, Delhi (By IIT, Kharagpur)	30th January 2017 to 4th February 2017
		Emerging Trends in Computer and Electronics Communications	AIACTR, Geeta Colony, Delhi	March 6-10, 2017
		Advanced Manufacturing and Operations Management (AMOM-2017)	CAPIER, Deptt. of Mechanical, Production & Industrial and Automobile Engineering, DTU	July 03-14, 2017

S. No	Name of faculty	Name of course attended	Venue	Date
7.	Jeebananda Panda	TEQIP-II FDP on 'Recent trends in pattern analysis and machine learning',	DTU, Delhi	11-07-2016 to 15-07-2016
		TEQIP-II FDP on 'Recent Developments in Fluid Mechanics and Hydraulics'	DTU, Delhi	18-07-2016 to 22 -07-2016
8.	Dr Dinesh K. Vishwakarma	5Th International Symposium on Fusion of Science and Technology	New Delhi.	11-07-2016 to 15-07-2016
		GIAN course on Circuits, Microsystems and Packaging Techniques Intended for Autonomous Brain Machine Interfaces,	DTU, Delhi.	December 20-24, 2016
		"Industrial Production and Automobile Engineering"	DTU, Delhi	3 to 4 July
		One-week Government of NCT Sponsored faculty development programme on "Emerging Trends in Computer and Electronics Communications"	AIACTR Geeta Conely, Delhi.	March 6-10, 2017
		One-week TEQIP-II sponsored faculty development programme on "Environmental Pollution: Monitoring & Control"	Department of Environmental Engineering, DTU, Delhi.	October 24-28, 2016
		One-week faculty development programme on "Advanced in Microelectronics and Plasma Diagnostics"	Department of Physics, DTU, Delhi.	29th August to 2nd September, 2016

S. No	Name of faculty	Name of course attended	Venue	Date
9	Priyanka Jain	Attended a Faculty development program on "Statistical methods and a brief on LATeX"), organized by Department of applied Mathematics, DTU	Department of applied Mathematics, DTU	July 18-22 2016
		Attended one week workshop on "Antenna: Design Fabrication and Testing"	Electronics department of JSS Academy of Technical Education, Noida	5th-9th December 2016
		MHRD sponsored GIAN Course on "Circuits, Microsystems and Packaging Techniques Intended for Autonomous Brain-Machine Interface	Department of Electronics & Communication Engineering, Delhi Technological University	20th – 24th December, 2016.
		Talk by "Landmark Forum" in ECE Department.	Electronics and Communication Department,DT	21.10.16
		Attended and presented paper in DST sponsored "International conference in advancement in Energy Driven and Control(ICAEDC2017)"	I.T,S College, Greater Noida,	April 7-8 2017
10	N. Jayanthi	MHRD sponsored GIAN Course on "Circuits, Microsystems and Packaging Techniques Intended for Autonomous Brain-Machine Interface	Department of Electronics & Communication Engineering, Delhi Technological University	20th – 24th December, 2016.
		Advanced Manufacturing and Operations Management (AMOM-2017)	Deptt. of Mechanical, Production & Industrial and Automobile Engineering, DTU	July 03-14, 2017
11.	Anurag Chauhan	One-week faculty development programme on "Recent Trends in Geo-Environment Engineering	Civil Engineering Department, DTU, Delhi.	18TH TO 22ND APRIL, 2016
		One week AICTE sponsored STC on "Introduction to System Design"	AIACTR, Geeta Conley, Delhi.	4th April to 8th April, 2016
		One week TEQIP-II sponsored FDP on Advances in Information Security"	CSE Department, DTU, Delhi.	18th to 22nd January 2016

7. Visitors to the Department

Name	Affiliation	Purpose	Dates
Prof. Anuj Srivastav	Florida State University, Tallahassee, US	Invited Talk	20.07.17
Mr. Sameer Grover	Founder and CEO, Crownit	SPAC	12.02.17
Mr. Sanjeev Agarwal	VP, After Sales, Nissan	SPAC	12.02.17
Mr. Ajay Chaturvedi	Founder- HarVa	SPAC	12.02.17
Mr. Sanjiv Gupta	Director, Hindustan Prefab Limited	SPAC	12.02.17
Mr. Ajay Gupta	MD, GE Finance India	SPAC	12.02.17
Dr. Ashutosh Dutta	Lead Member of Technical Staff at AT(and)T's Chief Security Office in Middletown, New Jersey	Invited Talk	24.03.17

8. Conference/Seminar/Symposia/Workshops Organized by the Department

Organizing Secretary	Details of Conference / Seminar / Symposia / Workshop/Guest Lecture	Venue	Dates
R. Pandey	Publication chair, India International Conference on Information Processing,	DTU	Aug 2016
	Expert lecture series on "Analog IC Design"	DTU	Oct 25-26, 2017
	Coordinator, GIAN course on Circuits, Microsystems and Packaging Techniques Intended for Autonomous Brain Machine Interfaces Deptt. of ECE,DTU	DTU	December 20-24, 2016
	SPAC	DTU	Feb 2017
Devanand	Member organizing Team, GIAN course on Circuits, Microsystems and Packaging Techniques Intended for Autonomous Brain Machine Interfaces Deptt. of ECE,DTU	DTU	December 20-24, 2016
S. Indu, N. Pandey, J. Panda, A K Singh, Devanand	Final selection - World Skills 2017 in the skill of Electronics	DTU	June 28-July 1, 2017.
S. Indu, N. Pandey, J. Panda, A K Singh, Devanand	IEEExtreme10.0 , a 24 hours world wide competition on	DTU	17-10-2016.
S. Indu	One-day expert talk on "Application of shape analysis in computer vision"	DTU	19-07-2017
	Seminar on Indian Citation index.	DTU	
Priyanka Jain	Member organizing Team, GIAN course on Circuits, Microsystems and Packaging Techniques Intended for Autonomous Brain Machine Interfaces Deptt. of ECE,DTU	DTU	December 20-24, 2016

Organizing Secretary	Details of Conference / Seminar / Symposia / Workshop/Guest Lecture	Venue	Dates
N. Pandey	Coordinator, GIAN course on Circuits, Microsystems and Packaging Techniques Intended for Autonomous Brain Machine Interfaces Deptt. of ECE,DTU	DTU	December 20-24, 2016
	Workshop on "Procurement Procedure"	DTU	27-01-2017
	Financial co-chair India International Conference on Information Processing,	DTU	Aug 2016
J. Panda	Workshop on "Procurement Procedure"	DTU	27-01-2017
	Member organizing Team, GIAN course on Circuits, Microsystems and Packaging Techniques Intended for Autonomous Brain Machine Interfaces Deptt. of ECE,DTU	DTU	December 20-24, 2016

9. (i) Completed Sponsored Research Projects

Principal Investigator	Title of Project	Sponsoring Agency	Outlay (amount in Lakhs of `)
Dr. S. Indu	Surveillance application DCE-NRB	NRB	12 Lakhs

(ii) Continuing Sponsored Research Projects

Principal Investigator	Title of the Project	Sponsoring Agency	Outlay (amount in Lakhs of `)
Dr. N.S. Raghava	UAV project	Lockheed Martin	1 Crore
Dr. S. Indu	Development of OGC standards based sensor network for intelligent traffic management	DST	20 lakh
Dr. S. Indu	Managing Intangible Cultural Assets through Ontological Interlinking	DST (through IIT, Delhi)	3 lakh
Prof. R. Kapoor	Real Time Infrared Image Enhancement for Vehicle Classification	DRDO, TBRL	Rs.50 Lakhs

10. Important Professional Affiliations:

Name of Faculty	Professional Society Membership
Prof. P.R.Chadha	Institute of Electrical and Electronics engineering (IEEE,USA)
Dr. S. Indu	Sr. Member : Institute of Electrical and Electronics Engineering (IEEE,USA) IETE Life Member ISTE - Life-member
Mr.J.Panda	Institute of Electrical and Electronics Engineering (IEEE,USA)
Dr.N.S.Raghava	IETE Life Member ISTE - Life-member

Name of Faculty	Professional Society Membership
Dr. Neeta Pandey	Sr. Member : Institute of Electrical and Electronics Engineering (IEEE,USA) ISTE - Life-member
Dr. Rajeshwari Pandey	Institute of Electrical and Electronics Engineering (IEEE,USA) IETE Life Member ISTE - Life-member
Mr.A.K.Singh	Institute of Electrical and Electronics Engineering (IEEE,USA)

BOOK CHAPTER

- S. Indu, Nikhil. R. Mittal, Santanu Chudhury and Asok Bhattacharyya "Camera Placement for surveillance Applications" book chapter published in the book "Video Surveillance", ISBN 978-953-307-436-8 published by INTECH. Chapter 24, pp 459-474.

4.9 Department of Electrical Engineering

Academic Staff: 35; Students Admitted: UG-233, PG-42, Ph.D. 22; Publications: Journals/Papers-51; Conference/ Symp.-10

Salient Features

The department of Electrical Engineering has grown significantly since its inception in 1941.The year 2016 marked the 75th year of Excellence (Platinum Jubilee) for both the university and the department in academic, research and innovation. The goal of the department is to provide quality education at undergraduate and postgraduate levels and to undertake cutting edge research in various areas of Electrical Engineering. The department also aims to develop active collaboration with various industries in the power sector. The department has earned itself a very good reputation in the National Capital Region of Delhi. Till 2016, the department had an annual intake of 150 and 100 students in the B.Tech programmers in Electrical Engineering and Electrical and Electronics Engineering, respectively. In the current academic session, both the programs were merged into a single Electrical Engineering programmer. The department is also offering B.Tech (Evening) with an intake of 60 students. The graduates of the department are occupying important positions in both government as well as corporate sector with many of them having joined programs ofhigher studies in India and abroad.

At the post graduate level, the department is offering two M.Tech programmers in Control and Instrumentation and Power Systems with a combined intake of 48 students. In addition to the above, the department offers regular Ph.D programmers in various areas of specialization in Electrical Engineering. These include Power quality, Renewable Energy Sources, Smart grids, Power System Operation and Control, Power System Dynamics and Stability, Flexible AC Transmission (FACTS), HVDC, Electric Drives, Hybrid Electric Vehicles, Intelligent control and Optimization,.

The department currently has 17 laboratories equipped with state-of-the art equipment and latest version of different software platforms. Currently, sponsored projects from the DST and the AICTE amounting to more than Rs. 1.3 cores are currently underway in the department. The department also organizes National and International Conferences, Faculty Development Programmes, Workshops and Expert Lectures from time to time.

The department conducted its second GIAN course on “Photovoltaic Array to Utility Interface Power Converters” during August 22-27, 2016. The course instructor was Prof. Ashoka Krishna Sarpangal Bhat, Fellow IEEE and Professor of Electrical and Computer Engineering at the University of Victoria Canada. Six ‘Lectures by Eminent Persons’ were also organized by the department in the last academic year. These included Prof. Ambrish Chandra, Fellow IEEE, Prof. Pat Wheeler, Dr. Mukesh Nagpal and Shri Abhay Kumar, DGM Power Grid.

The Electrical Engineering programmer was recently accorded accreditation for three years by NBA, MHRD, subsequent to the visit by the NBA team from April 14-16, 2017.

2. Academic Staff

Professors 16

Dr. Madhusudan Singh, Head of the Department, B.Sc (Engg.), ME, Ph.D. Control & Instrumentation, Email: madhusudan@dce.ac.in

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Dr. Pragati Kumar, M.Tech, Ph.D. Control & Instrumentation, Email: pragati.kumar@dce.edu

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Dr. Vishal Verma, M.Tech, Ph.D. Power Electronics, Email: vishalverma@dce.ac.in

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Dr. Rachna Garg, M.Tech, Ph.D. Control & Instrumentation Email: rachna.garg@dce.edu **.**

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Dr. Alka Singh, Ph.D, BE, M.Tech, Ph.D. Power System

Dr. Suman Bhowmick, Ph.D, ME Electrical Machines, Email: suman.bhowmick@dce.ac.in **.**

Dr. Madan Mohan Tripathi, B. Tech, M.Tech, Ph.D. Restructuring power systems, Artificial Intelligence, Email: mmtripathi@dce.ac.in

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Dr. Dheeraj Joshi, BE, ME, Ph.D. Power Electronics, Electric Drives, Renewable Energy Systems, Email: joshidheeraj@dce.ac.in

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Associate Professors 06

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Mr. Duli Chand Meena, B.Tech, M.Tech Power Systems, Email: Meena@dce.edu dcmeena@dce.ac.in

Dr. Mini Sreejeth K., Ph.D ME Electrical Machines.

Assistant Professors 13

Mr. Prem Prakash, BE, M.Tech Engg. Systems, Email: prem.prakash@dce.edu

Ms. Bhavnesh Jaint, BE, ME Electrical Engg.

Mr. Ashish Rajeshwar Kulkarni, ME Control Systems, Intelligent Transportation Systems, Microcontrollers & Embedded Systems, Robotics, Email: ashishkulkarni@dce.edu

Mr. Aniruddha Barun Kumar Bhattacharya, a.b.bhattacharya@dce.edu

Mr. Ramjee Lal Meena (On Lien under QIP), BE, M.Tech Power Quality, Email: r.l.Meena@dce.edu

Dr. Mohammad Rizwan, B.Tech, M.Tech, Ph.D., PDF Power System Email: rizwan@dce.ac.in

Ms. Garima, BE, M.Tech Analog, VLSI.

Sikandar Ali Khan, B. Tech. (A.M.U.), M. Tech. (A.M.U.) Electrical Machines, Electrical Drives, Power System Email: sikandaralikhan@dtu.ac.in

Himanshu, B.E(DCE), M.Tech(IIT Delhi) Power Electronics, Electrical Machines, Electrical Drives, Control System Email: himanshusingh@dtu.ac.in

Kuldeep Singh , B.Tech (IIT Ropar), M.Tech (DTU) Power System Email: kuldeepsingh@dtu.ac.i

Ankita Arora, B.Tech (Jamia Millia Islamia), M.tech (NSIT, D.U) Renewable Energy Sources, Power Electronics, Electrical Machines, Artificial Intelligence Techniques, Control Systems Email: aroraankita@dtu.ac.in

Saurabh Mishra B.E (JEC Jabalpur), M.Tech (MANIT Bhopal) Electrical Drives Email: saurabhmishra@dtu.ac.in

Anup Kumar Mandpura B.Tech (IT, BHU) , M.Tech (IITG) Cooperative Communication Systems Email: kanup@dtu.ac.in

3. Honors and Awards to Faculty Members

Name of Faculty	Title
Dr. M. Rizwan	Completed Post doctoral fellowship from Virginia Tech, USA
Prof. S. T. Nagrajan	Was granted leave to pursue Post Doctoral Fellowship from Washington State University, USA
Dr. Bharat Bhushan	Member of IEEE Life Member of ISTE

4. Visit of Faculty Members to Other Institutions

Name of Faculty	Name of Institute/ Organization Visited	Purpose of Visit	Dates
Prof. Narendra Kumar-I	Jamia Milia Islamia Central university	Evaluation of Ph.D. thesis and conducted Viva-Voce examination	April 19,2016
	N.I.T. Hamirpur (H.P.)	Evaluated two M.Tech Dissertations and conducted Viva-Voce examination	July 12, 2016
	MSIT, Janak puri, Delhi	I.P. University Expert member, Joint Assessment Committee	May 27, 2016
	MAIT, Rohini, Sector-22, Delhi	I.P. University Expert member, Joint Assessment Committee	May 12, 2016
	Coal India Ltd. Laxmi Nagar New Delhi	Expert, selection of Management Trainees, Coal India Ltd.	31 Jul. to 5 Aug., 2017
	Guru Tegbahadur Insitute of Technology, I.P university,G-8 Area, Rajouri Garden New Delhi - 110064	I.P. University Expert member, Joint Assessment Committee	May, 2016
	Delhi Technical Campus, Greater Noida	I.P. University Expert member, Joint Assessment Committee	June 2016

Name of Faculty	Name of Institute/ Organization Visited	Purpose of Visit	Dates
	Bharti Vidhyapeeth, College of Engineering, I.P university, Paschim Vihar, New Delhi	Subject Expert for the selection committee for selection of Professors, Associate Professor, and Assistant Professor,	20 June, 2017
Prof. Narendra Kumar-I	HMR Institute of Technology and Management, Hamidpur, I.P university, New Delhi,	Subject Expert for the selection committee for selection of Professors, Associate Professor, and Assistant Professor	25 July, 2017
	Bharti Vidya Vidyapeeth College of Engineering,	Member, Joint Assessment Committee, Guru Govind Singh Indraprastha University, Delhi	10 June, 2017
	Maharaja Surajmal Institute of Technology Janakpuri Delhi,	Member, Joint Assessment Committee, Guru Govind Singh Indraprastha University, Delhi	8 June, 2017
	Mahavir Swami Institute of Technology Sonipat,	Member, Joint Assessment Committee, Guru Govind Singh Indraprastha University, Delhi	10 June, 2017
	Ambedkar Institute of Technology Geeta Colony,	Member, Joint Assessment Committee, Guru Govind Singh Indraprastha University, Delhi	6 June, 2017
	Maharaja Agrasen Institute of Technology Sector-22, Rohini, Delhi	Examiner of final year project	28 April 2017
	Maharaja Surajmal Institute of Technology Janakpuri Delhi	Examiner of final year project	21 May 2017
	Maharaja Surajmal Institute of Technology Janakpuri Delhi,	University Expert final year EE Project	09 May 2017
	Office Order. Ref.No.: DCRUST/ Secy/1677 Deenbandu Chhotu Ram Univercity of Science & Technology, Murthal, Sonipat	conducted Ph.D. Viva-Voce Examination of Mr. Hari Datt Sharma was	26 Dec., 2016
	Office Order. Ref.No.: Exam.IV/ Ph.D./2433/2464, University of Delhi 14 Oct., 2016	Ph.D. Viva-Voce Examination of Mr. Vipin Jain was conducted	27 Nov., 2016
	DTTE Govt. of Delhi,	Subject expert, Selection Committee for the grant of PB-4 of Rs. 37400-67000 to the candidates of various Institutes of Technologies	10 Nov., 2016
Prof. Narendra Kumar-I	Northern India Engineering College shastri park Delhi,	External Expert for Practical Examination ETEE-457 Minor Project (EEE)	Nov. 22, 2016.

Name of Faculty	Name of Institute/ Organization Visited	Purpose of Visit	Dates
	Maharaja Surajmal Institute of Technology Janakpuri New Delhi,	External Expert for Practical Examination ETEE-457 Minor Project (EEE)	Nov. 21, 2016.
	Bhagwan Parshuram Institute of Technology Sector-17 Rohini, Delhi-85	External Expert for Practical Examination Electrical Machine ETEE-455	Nov. 18, 2016
	N.I.T. Hamirpur Evaluated two M.Tech	Dissertations and conducted Viva-Voce examination	July 12, 2016
	MSIT, Janak puri, Delhi, I.P. University	Expert member, Joint Assessment Committee	May 27, 2016
Prof. Rachna Garg	GBU	Final Ph. D open house Viva-Voce	3July 2017
	JMI	PhD final viva exam	12 June 2017
	IIT Delhi	M.Tech final project exam	26 May 2017
	Poornima Univ., Jaipur	Delivered Technical talks at, "Overview of Microgrids: Issues and challenges"	1 April 2017
	PES General Meeting, Chicago	Participated as a panelist in panel discussion delivered a talk on "Regulating the future of Microgrids: An international perspective"	17 July 2017

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

Organizing Secretary	Details of Conference / Seminar / Symposia / Workshop/Guest Lecture	Venue	Dates
Prof. Narendra Kumar-I	1st IEEE International Conference on Power Electronics, Intelligent Control and Energy Systems (ICPEICES-2016), Delhi Technological University, Delhi,	DTU, Delhi	July. 4-6, 2016.
Dr.Bharat Bhusan	1st IEEE International Conference on "Power Electronics, Intelligent Control And Energy Systems"	EED, DTU	July 4-6, 2016
Dr. M. Rizwan	GIAN course at DTU on "Challenges and Opportunities in Renewable Energy: Role of the Smart Grid"	EED, DTU	June 3-8, 2016
Shri A. R. Kulkarni	"Focus on Power Sector in India & Energy Management Strategies"	EED, DTU	February 20-22, 2017

Organizing Secretary	Details of Conference / Seminar / Symposia / Workshop/Guest Lecture	Venue	Dates
Dr. Rachna Garg	Experience of Severe Overvoltage in an Interconnected Transmission Subnetwork during Single Phase Open period	EED, DTU	February 2, 2017
	Hybrid renewable Energy standalone Systems	EED, DTU	December 9, 2016
Dr. S. Bhowmick & Dr. Rachna Garg	Series of Expert Lectures for B. Tech (EE & EEE) Courses in IV and VI Semester	EED, DTU	September-October 2016
Shri Sudershan K. Valluru	GIAN course at DTU on "Photovoltaic Array to Utility Interface Power Converters"	EED, DTU	August 22-27, 2016

6. Participation of Faculty in Short Term Courses

Name of Faculty	Name of Courses	Place	Dates
Mr. S. K. Valluru	Attended TEQIP II Sponsored Short Term Training Programme on PLC, HMI, SCADA and AC Drives	EED, DTU	13-17th June, 2016
	Attended one week Short Term Course on Nonlinear Control System Design	Department of Avionics, IIST, ISRO, Thiruananthapuram	20-24th June, 2016
Dr.S. Bhowmick	Attended TEQIP II Sponsored Short Term Training Programme on PLC, HMI, SCADA and AC Drives	EED, DTU	13-17th June, 2016
	Attended GIAN course at DTU on "Photovoltaic Array to Utility Interface Power Converters "	EED, DTU	August 22-27, 2016
Mr. Ashish Kulkarni & Dr. Mini Sreejeth	Organised TEQIP II Sponsored Short Term Training Programme on PLC, HMI, SCADA and AC Drives	EED, DTU	13-17th June, 2016
Mr. Ashish Kulkarni	Attended GIAN Course at DTU on "Photovoltaic array to utility interface power converters"	EED, DTU	August 22-27, 2016
Ms. Garima	Attended TEQIP II Sponsored Short Term Training Programme on PLC, HMI, SCADA and AC Drives	EED, DTU	13-17th June, 2016
Dr. Mini Sreejeth	Attended GIAN course at DTU on "Photovoltaic Array to Utility Interface Power Converters "	EED, DTU	August 22-27, 2016
Mr. D.C. Meena	Attended GIAN course at DTU on "Photovoltaic Array to Utility Interface Power Converters "	EED, DTU	August 22-27, 2016

Name of Faculty	Name of Courses	Place	Dates
Mr. R.L. Meena	Attended GIAN course at DTU on "Photovoltaic Array to Utility Interface Power Converters "	EED, DTU	August 22-27, 2016
Dr. Priya Mahajan	Attended GIAN course at DTU on "Photovoltaic Array to Utility Interface Power Converters "	EED, DTU	August 22-27, 2016
Prof. Rachna Garg	Attended GIAN course at DTU on "Photovoltaic Array to Utility Interface Power Converters "	EED, DTU	August 22-27, 2016
Mr. Prem Prakash	Attended GIAN course at DTU on "Photovoltaic Array to Utility Interface Power Converters "	EED, DTU	August 22-27, 2016
Dr. M. Rizwan	Technology transfer on renewable energy in microgrid focused on the operation and maintenance of the intelligent networks	Virginia Tech, USA	October 17-28, 2016

7. Visitors to the Department

Name	Affiliation	Purpose	Dates
Dr. Ishwar D. Aggarwal	University of North Carolina USA	Delivered an expert lecture on "Recent Advances in Fibre optics & optoelectronics"	14.07.2016
Dr. Adel Nasiri	Electrical Engineering Department, University of Wisconsin, USA	Delivered an expert lecture on "Converter Topologies for Grid Connected PV Systems"	01.06.2016
Dr. Pukhraj Singh	Suzlon Energy GmbH Germany	Delivered an expert lecture on "R&D in areas of Power Generation, Grid interconnections of Wind Farms, Electrical & Electronic Components for onshore Wind Turbines"	04.05.2016
Mrs. Minaxi Garg	Power System Operation Corporation Ltd. (POSOCO)	Delivered an expert lecture on "Challenges for Large Scale Integration of Renewables"	26.04.2016
Mr. Puneet Tyagi	Power Grid, Gurgaon	Delivered an expert lecture on "HVDC Systems"	25.04.2016
Prof. Mini Thomas	EE Department Jamia Millia Islamia New Delhi	Delivered an expert lecture on "Energy Management Systems"	22.04.2016
Dr. Subir Sen	Power Grid, Gurgaon	Delivered an expert lecture on "Power Systems"	21.04.2016
Dr. Mukesh Nagpal	Adjunct Professor at University of British Columbia, Vancouver, BC	Delivered an expert lecture on "Experience of Severe Overvoltage in an Interconnected Transmission Subnetwork during Single Phase Open period"	02.02.2017

Name	Affiliation	Purpose	Dates
Prof. Ambrish Chandra	Ecole de technologie superieure Montréal, Québec, CANADA	Delivered an expert lecture on "Hybrid renewable Energy standalone Systems"	09.12.2016
Prof. Pat Wheeler	University of Nottingham, U.K	Delivered an expert lecture on "Power Electronic Interface for Renewable Energy Systems"	16.11.2016
Prof. A.K Tandon	Ex-HOD, EED, DCE	Delivered an expert lecture on "Principles and Working Of Electrical Machines"	27.10.2016
Shri Abhay Kumar	DGM Powergrid	Delivered an expert lecture on "Power Systems"	05.10.2016
Prof. Barjeev Tyagi	EE Department, IIT Roorkee	Delivered an expert lecture on "ControlSystems"	01.09.2016
Prof. A. K. S. Bhat	University of Victoria, Canada	Delivered a series of expert lecture under Gian scheme on "Photovoltaic Array to Utility Interface Power Converters"	August 22-27, 2016

8. Conference/Seminar/Symposia/Workshops/Short Term Courses Organized by the Department

Organizing Secretary	Details of Conference / Seminar / Symposia / Workshop/Guest Lecture	Venue	Dates
Mr. S. K. Valluru	GIAN course at DTU on "Photovoltaic Array To Utility Interface Power Converters"	EED, DTU	August 22-27, 2016
Dr. M. Rizwan	GIAN course at DTU on "Challenges and Opportunities in Renewable Energy: Role of the Smart Grid"	EED, DTU	June 3-8, 2016
Dr. Bharat Bhushan	1st IEEE International Conference on "Power Electronics, Intelligent Control And Energy Systems"	EED, DTU	July 4-6, 2016

9. List of Candidates Awarded Ph.D. Degree

Name of Student	Nationality	Gender (Male/ Female)	Title of Thesis	Year of Award
Shagufta Khan	Indian	F	Investigations on the Development of Newton Power-Flow Models Of Hybrid AC-DC Systems	2017
Vipin Jain	Indian	M	Enhancing Dynamic Performance of Power System using Series and Shunt FACTS Devices, University of Delhi	January 2017
Sanjiv Kumar	Indian	M	Exploring Benefits of FACTS Controllers for Power System Stability Enhancement", University of Delhi	March, 2017

10. (i) Completed Sponsored Research Projects

Principal Investigator	Title of Project	Sponsoring Agency	Outlay (amount in Lakhs of Rupees)
Prof. Vishal Verma	Feasibility and Environmental Impact Study of Broadband on Power Lines (BPL) for rural Information Centers	Ministry of Information Technology GOI and is being implemented in collaboration with NDPL Delhi (Tata Power)	106
Prof. Madhusudan Singh & Prof. Parmod Kumar	Modernization of Electrical Drives Laboratory under MODROB	AICTE	10
Prof. Narendra Kumar-I	Enhancing Power System Performance Using Flexible AC Transmission Systems(FACTS) Devices	AICTE Funded R&D Project	12
Dr. M. Rizwan	Modernization of Power Systems Laboratory	AICTE	17.42
Dr.M.Rizwan	Some Investigations on RES Based Power Systems	AICTE	12.97
Dr. M. Rizwan	Modelling And Development Of Controller For PV System Integration into Electricity Distribution Networks.	DST	24.8

(ii) Continuing Sponsored Research Projects

Principal Investigator	Title of the Project	Sponsoring Agency	Outlay (amount in Lakhs of Rupees)
Prof. Vishal Verma	INDO – UK Industrial Research Project - Air Hybrid Regenerative Braking System for Buses and Vehicle under Global Innovative and Technology Alliance (GITA)	Ministry of Communications and IT, GOI (Through GITA)	300
Prof. Vishal Verma	INDIA – CANADA Industrial Research Project – Design and Manufacturing of Artificial Intelligence based Electronic Metering and Monitoring System for Indian Power Distribution under Global Innovative and Technology Alliance (GITA)	Ministry of Communications and IT, GOI (Through GITA)	300
Dr. Alka Singh	Design, development and testing of control and synchronization of power electronics based converters with renewable energy sources	DST	68.87
Dr. Alka Singh	Modelling and Control of Power Electronic based Controllers for Interfacing Renewable Energy Systems to Utility Grid	DST	20.4

(iii) New Sponsored Research Projects

Principal Investigator	Title of the Project	Sponsoring Agency	Outlay (amount in Lakhs of Rupees)
Dr. Alka Singh	Design, development and testing of control and synchronization of power electronics based converters with renewable energy sources	DST	68.87

(IV) Consultancy Projects

Principal Investigator	Title of the Project	Sponsoring Agency	Outlay (amount in Lakhs of Rupees)
Prof. Parmod Kumar, Prof. Narendra Kumar, Prof. Madhusudan Singh and Dr. Pragati Kumar	Third party quality checking of various electrical works	UPSIDC (A U.P. Government Undertaking.)	Rs.5 Lakhs
Prof. Madhusudan Singh and Mr. A.B.K. Bhattacharya	Additional construction of 7000 classrooms at various Delhi govt. schools	PWD, Delhi	Rs. 700 crores

11. Summary of Major Sponsored Research Schemes and Consultancy Projects

1. Consultancy - Segregation of Technical & Commercial Losses on the NDPL Network: Rs1.2 Lakhs.
2. Prof. Parmod Kumar, Prof. Narendra Kumar, Prof. Madhusudan Singh and Dr. Pragati Kumar carried out third party quality checking of various electrical works executed by UPSIDC (A U.P. Government Undertaking.).The total amount of consultancy is Rs.5 Lakhs
3. Development of an automatic dispensing machine for fair price shops in close association with Designinnova (A unit of Arrow weighing system Pvt Ltd.

12. Important Professional Affiliations:

1. Senior Member, Institution of Electrical & Electronics Engineers (IEEE), USA
2. Life Member, Indian Society for Technical Education (ISTE), India

Name of Faculty	Name of Professional Society
Prof. Madhusudan Singh	Fellow, IE (India) Life Member, ISTE, Delhi Member, IEEE, USA
Prof. Vishal Verma	Member, IEEE, USA
Dr. Alka Singh	Member, IEEE, USA
Dr. Dheeraj Joshi	Member, IEEE, USA
Dr. Rachana Garg	Member, IEEE, USA
Dr. S. Bhowmick	Member, IEEE, USA
Dr. Rizwan	Member, IEEE, USA
Dr. Priya Mahajan	Member, IEEE, USA
Dr. Mini Sreejeth	Member, IEEE, USA

Books Published:

1. Dr. Suman Bhowmick, "*Flexible AC Transmission Systems (FACTS): Newton power-Flow Modeling of Voltage-Sourced Converter-Based Controllers",* May 2016, CRC Press, Boca Raton, Florida, USA
2. Dr. M.M. Tripathi, "*Restructured Power System and Electricity Market Forecasting*", CreateSpace Independent Publishing Platform, May 2015
3. Dr. M.M. Tripathi, "*Neural Network and Electricity Market Forecasting*", Kindle Edition, Amazon Digital South Asia Services, Inc., May 2015
4. Dr. M.M. Tripathi, "*Advance Switching Schemes for Inverters*", Kindle Edition, Amazon Digital South Asia Services, Inc., June 2015

4.10 Department of Environmental Engineering

Academic Staff: 08; Students Admitted: UG- 45; PG-20; Ph.D: 04,
Publications: Journals/Papers-32, Conference/Symp.: 16

1. 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 upgradation by offerring part time PG course. Department is actively involved in Research and Development. Department has well established laboratories in all the areas of Environmental Engineering.

2. Academic Staff

Professor 03

Dr. Ashok Kumar Gupta, Head of the Departments, B.Tech, M.Tech, Ph.D. IIT Bombay, Geotechnical and Geoenvironmental Engineering,

Prof. S. K. Singh, B.E., M. Tech., Ph. D., FIEE, FICS, FIAH, FIE, FUWAI, FIGS Solid waste processing, Wastewater treatment designs, Water treatment designs, Water quality modeling, Solar detoxification EIA & Auditing, Email: sksingh@dce.ac.in

Dr. Anubha Mandal, M. Tech., Ph.D. Areas of interest: Air Pollution, Indoor air pollution, Occupational health. Email:anubhamandal@dce.ac.in

Assistant Professors 05

Dr. Anil Kumar Haritash, M.Sc., M. Tech., Ph.D., Areas of interest: Environmental microbiology, Bioremediation, Email:akharitash@dce.ac.in

Ms. Geeta Singh, B. Tech., M. Tech., Ph.D. (Pursuing) Areas of interest: Environmental hydraulics, Ground water pollution, Email: geeta.singh@dce.ac.in

Dr. Rajeev Kumar Mishra, M. Tech., PhD (IIT Roorkee) Areas of interest: Environmental implications of urban transport systems, Urban air pollution analysis & modeling, Traffic noise pollution modeling, Acoustics & barrier designing, Email:rajeevkumarmishra@dce.edu, rajeevmishraiitr@gmail.com

Ms. Loveleen Gupta, B.E., M.S. (Lehigh University, USA)Areas of interest: GHG emissions, Human Health Risk Assessment, Treatment of contaminants in surface water and groundwater, Solid waste management, Email: lgupta@dce.ac.in

Mr. Gour Anunay Ashokkumar, B.E., M.E., PhD (Pursuing), AMIE, Areas of interest: Environmental Engineering, Water & Wastewater Engineering, Air Pollution, Industrial Waste Management, Environmental Impact Assessment, System Simulation & Modelling, Email: anunaygour@dtu.ac.in

3. Visit of Faculty members to Other Institutions

Name of Faculty	Name of Institute/Organization Visited	Purpose of Visit	Dates
Dr. A. K. Haritash	TERI University, Delhi	Member, Selection Committee, M. Sc. Admissions - 2016	June 14-16, 2016
Prof. A. K. Gupta	ACS College of Engineering, Mysore Road, Bangalore-560074,	NBA Accreditation of UG Civil Engineering	26-28 August, 2016
	E.G.S. Pillay Engineering College, Nagore Post, Nagapattinam, Tamil Nadu-611002	NBA Accreditation of UG Civil Engineering	31 March -2 April 2017
	Erode Sengunthar Engineering College, Thudupathi Post,, Erode, Tamil Nadu-638057	NBA Accreditation of UG Civil Engineering	3 to 5 March 2017
	MVJ College of Engineering, Channasandra Near ITPB, Bangalore, Karnataka	NBA Accreditation of UG Civil Engineering	19 to 21 May 2017
	National Institute of Technology Karnataka, Surathkal -575025, Karnataka	NBA Accreditation of PG in Geotechnical Engineering	4 to 6 November, 2016
	Shri Ramdeobaba College of Engineering and Management, Ramdeo Tekdi, Gittikhadan, Katol Road, Nagpur – 440013,	NBA Accreditation of UG Civil Engineering	27 to 29 January, 2017
	Dayanand Sagar University, Shavige Malleswara Hills Kumaraswamy Layout Bangalore-560 078	AICTE/UGC Visit	Feb 08-10, 2017
Prof. S. K. Singh	JNTU, Hyderabad	NAAC Accreditation of the JNTU	August 17-19, 2017.
	Govt. Engg College Kozhikode	NBA Accreditation of the JNTU	August 25-27,2017
Dr. (Mrs.) Anubha Mandal	Bureau of Indian Standards, BSZ Marg, Delhi	Formulation of Indian Standards CHD35 & CHD36	May-June, 2017
Dr. A. K. Haritash	TERI University, Delhi	Member, Selection Committee, M. Sc. Admissions - 2017	July 4-5, 2017
	MITS, Gwalior	To deliver an invited lecture on Biotechnology and Environmental Management	July 22, 2016

Name of Faculty	Name of Institute/Organization Visited	Purpose of Visit	Dates
Dr. Rajeev Kumar Mishra	Central Road Research Institute, Delhi	Invited as Delhi Technological University representative to participate in the first meeting on "Establishing a Research Network on Vehicular Emission Reduction (EARNOVER-2017)	January 23, 2017
	National Science Centre, Delhi	Invited as Judge by National Science Centre, Delhi, for the evaluation of science projects/ models in City Level Science Fair (CLSF 2016-17)	January 16, 2017
	Central Road Research Institute, Delhi	Invited as Delhi Technological University representative to participate in the second meeting on "Establishing a Research Network on Vehicular Emission Reduction (EARNOVER-2017)	November 30, 2016
	Dronacharya College of Engineering, Gurgaon	Chaired the special session on Cloud Computing and Computer Technology, at at the International Conference on Communication & Computing Systems (ICCCS-2016)	September 9-11, 2016

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

S. No.	Name of Faculty (Designation)	Organizing Secretary	Details of Conference/ Seminar/Symposia/ Workshop/Guest Lecture	Venue	Dates
1.	Prof. S. K. Singh	Swami Shraddhanand College and Ministry of Earth Sciences	Chief Guest at National Seminar on Spatial Technology, Disaster Preparedness: Knowledge for Sustainability	Delhi	August 29-30, 2017
2.	Dr. (Mrs) Anubha Mandal	VMMC & Safdarjung Hospital, National Institute of Health & Family Welfare	Chair, 3rd International Conference on Occupational & Environmental Health 2016	Delhi	23-25 September 2016
		Delhi Technical Campus (Affiliate to GGSIP University of Delhi),	International Conference of Advance Research and Innovation (ICARI-2017)	Delhi	29 January 2017

S. No.	Name of Faculty (Designation)	Organizing Secretary	Details of Conference/ Seminar/Symposia/ Workshop/Guest Lecture	Venue	Dates
3.	Dr. A. K. Haritash	IIT Delhi	Urban Air Pollution in Indian and UK cities: Characterization and Prediction of Chemically Reactive Air Pollutants	Delhi	Nov. 28-Dec. 01, 2016
		BITS Pilani Goa Campus	4th International conference on Advanced Oxidation Processes (AOP 2016)	Goa	Dec 17-20, 2016
		GJUST, Hisar	International Conference on "Emerging Areas of Environmental Science & Engineering"	Hisar Haryana	February 16-18, 2017
		TERI University	Surrey-TERI University International Workshop on Emerging Socio-economic and Environmental Challenges in Developing Countries	Delhi	March 10, 2017
		GGSIPU Delhi	National Conference on Climate Change, Resource Conservation and Sustainability Srategies	Delhi	March 16-17, 2017
4.	Ms. Geeta Singh	Delhi Technical Campus (Affiliate to GGSIP University of Delhi),	International Conference of Advance Research and Innovation (ICARI-2017)	Delhi	29 January 2017
5.	Dr. Rajeev Kumar Mishra	Guru Jambheshwar University of Science & Technology	Comparative Analysis of Air and Noise Pollution during Odd-Even Scheme Phase-II in Delhi	Haryana	February 16-18, 2017
		Guru Jambheshwar University of Science & Technology	Assessment of Health Risk Based on AirQ+ Software Tool	Haryana	February 16-18, 2017
		IIT Bombay	Commuters' Exposure to PM2.5: A case Study of Delhi	Bombay	19-21 December, 2016
		Dronacharya College of Engineering, Gurgaon, Haryana	Application of Artificial Neural Network in Traffic Noise Pollution Modeling	Haryana	September 9-11, 2016

S. No.	Name of Faculty (Designation)	Organizing Secretary	Details of Conference/ Seminar/Symposia/ Workshop/Guest Lecture	Venue	Dates
6.	Mr. Gour Anunay Ashokkumar	Delhi Technical Campus (Affiliate to GGSIP University of Delhi),	International Conference of Advance Research and Innovation (ICARI-2017)	Delhi	29 January 2017
		VMMC & Safdarjung Hospital, National Institute of Health & Family Welfare	International Conference on Occupational & Environmental Health (ICOEH-2016)	Delhi	23-25 September 2016
		Ministry of Science & Technology, GoI	Industry-Academia Conclave, India International Science Festival 2016, New Delhi	Delhi	7-11, December, 2016

5. Participation of Faculty in Short Term Courses

S. No.	Name of Faculty	Name of Courses	Place	Dates
1.	Dr. A. K. Haritash	Environmental Pollution: Monitoring & Control	Delhi Technological University	October 24-28, 2016
		Polluted Sites: Characterization and Remediation	IIT Bhubaneshwar, Odisha	July 25- Aug. 05, 2016
2.	Ms. Geeta Singh	Geotechnical Engineering for urban infrastructure	Delhi Technological University	July 11-15, 2016
		Recent development in fluid Mechanics and hydraulics	Delhi Technological University	July 18-22, 2016
		Recent developments and challenges in material and manufacturing process	Delhi Technological University	July 25-29, 2016
		Environmental Pollution : Monitoring & Control	Delhi Technological University	October 24-28, 2016
		Advanced Manufacturing and Operations Management (AMOM 2017)	Delhi Technological University	July 03-14, 2017
3.	Dr Rajeev Kumar Mishra	GIAN course on “Air Quality Management: Quality Assurance and Data Analysis”	Jawaharlal Nehru Technological University, Hyderabad	December 05-09, 2016
4.	Mr. Gour Anunay Ashokkumar	Advanced Manufacturing and Operations Management (AMOM 2017)	Delhi Technological University	July 03-14, 2017
		Environmental Pollution Monitoring and Control (EPMC),	Delhi Technological University	October 24-28, 2016

6. Workshops:

Dr. Rajeev Kumar Mishra, (Co-coordinator) Conducted with **Dr. Anil Haritash** (Coordinator) TEQIP Sponsored one week Faculty Development Programme on “Environmental Pollution: Monitoring & Control (EPMC-2016)” from October 24-28, 2016 in Department of Environmental Engineering at Delhi Technological University, Delhi.

4.11 Department of Humanities

Academic Staff: 04;
Publications: Journals/Papers-08, Conference/Symp.:02

1. Salient Features

The department of Humanities was established in the year 1941 with a view to impart necessary soft skills to the graduating engineering students. Initially courses in English, Economics and Accountancy were taught to the students. With the growing impetus on 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 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 and how 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 teacher alike.

2. Academic Staff

Associate Professor 01

Dr. Seema Singh, Head of the Department, M.A, Ph.D. Economics, Email: seemasingh@dce.ac.in seemasinghdce@yahoo.com seemasinghdtu@gmail.com

Assistant Professors 03

Ms. Saroj Bala, M.Phil English Email: sarojbala@dce.ac.in sarojdce@rediffmail.com

Mr. Nand Kumar, M.A, Economics Email: nand.dce@gmail.com

Ms. Parinita Sinha, M.A., M.Phil. Email: parinitasinha11@gmail.com

3. Honors and Awards to Faculty Members

Name of Faculty	Area
Dr. Seema Singh	Paper reviewer of Equality, Diversity and Inclusion- An International Journal; Scopus Indexed, Emerald Publishing House; Journal of Agricultural Science & Technology Impact Factor (2015): 0.815 Tarbiat Modares University, Tehran, Islamic Republic of Iran, Journal of Business and Economics, USA, Academic Star Publishing Company, ISSN: 2155-7950 and member of the editorial board of the International Journal of Humanities and Social Sciences (IJHSS); ISSN(Print): 2319-393X; ISSN(Online): 2319-3948, Impact factor- 1.7392, International Journal Of Transformations In Business Management, e-ISSN:2231-6868, p-ISSN: 2454-468X, International Journal Of Research In Social Sciences & Humanities; e-ISSN: 2249-4642, p-ISSN:2454-4671; Multidisciplinary International Journal p-ISSN: 2454-8103; Amity Journal of Economics
	She received Best Paper Presenter Award from North Zone in the 28th All India Management Studies Annual Convention' 2016 at Ranchi University, Ranchi, India during August 26-28' 2016.
Teena Chaudhary and Seema Singh	awarded Merit Certificate for best paper presenter (HRM track) for their paper entitled, "Women Engineers: Issue of work- life balance and retention policies" at 7 th Conference on Management & Information Technology held in GIBS, Rohini Delhi on 16-17 December, 2016.

4. Visit of Faculty Members to Other Institutions

Name of Faculty	Name of Institute/ Organization Visited	Purpose of Visit	Dates
DR. SEEMA SINGH	Conducted Viva of Ms. Patel Ruchi Dasharathbhai	Enrolment No. CUG/2010/0061 for Ph.D. in Economics	05, December 2016 at the Central University of Gujarat.
Mrs Saroj Bala	1. As CET Observer for DTTE for BTE exam IIIT Dwarka 2. As subject expert for interviews in Bhuvneshwar, Odisha 3. As subject expert for viva at Agrasen Institue of Technology, Rohini 4. As subject expert for viva at Guru Teg bahadur Institute of technology, Rajouri Garden		28, May 2017 25-26 May 2017. 21, Nov 2016. 24, Nov 2016.
Mrs. Parinita Sinha	As subject expert for interviews in Bhuvneshwar, Odisha from		25-26 May 2017.

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

Name of the participants	Conference/Seminar/ Symposia / Workshop/Guest Lecture	Details	Dates
Dr. Seema Singh	Chaired the session	The 4th Session of the CBM- 2016 (April 16-17' 2016) at IIT Delhi	April 16, 2016
	Discussant	Session 3.6: Labour and employment in manufacturing sector	October 12' 2016
	All India Management Society Convention' 2016 organised by the Institute of Management Studies, Ranchi University, Ranchi	"A Study of Social Responsibility of Higher Educational Institute for Inclusive Growth"	26th-28th August' 2016.
Ms. Saroj Bala	Paper presented at the international conference	' Content-Based Instruction and Learning for Engineers' at ELTAI conference on Content-Based Instruction & Learning: Redefining the English Language Curriculum	June30-July2,2016
	Paper presented at the International conference	'Language Learning Techniques for the new Millennium' at the International Symposium on Fusion of Science & Technology at Pusa Campus, New Delhi	Jan18-22,2016
	Paper presented at the international conference	'Reading Revolution with the E Books' at the international conference on Advances in Studies& Women Empowerment-2015 At K L University, Guntur, AP, India	Aug 21-22, 2015
	'Impact of technology on Teacher student relationship' in the international conference on English Language Acquisition: Western Theories and Eastern Perspectives held at St Teresa's College, Ernakulam		29 June 1 July 2017.

Name of the participants	Conference/Seminar/ Symposia / Workshop/Guest Lecture	Details	Dates
	'Role of Technology in Customer Relationship Management' in ICAPIE-2016 held at DTU from		9-10, Dec 2016.
	'English for Management Professionals' in ICAPIE-2016 held at DTU from		9-10 Dec 2016.
	'ELT classroom For Employability Skills' in the International conference on English Language, Literature and Communication: Innovations & Applications in the Teaching-Learning Scenario at Kumarmanglam University, Gurugram		3-4 Feb 2017.
	Two poems ('Abhimanyu' and 'Arrival') in IJML Vol.7		1 Jan2017
	Two poems ('Father' and' The Magician') in GIEWEC Vol. 7		1 March 2017
	Three poems ('Mother', 'The Wedding' and 'Untitled') in IJELLS Vol.6		1 April 2017
Ms Parinita Sinha	"Two Indian Poets and the Dilemma of Belonging" presented in International Conference on English Language, Literature and Linguistics at The American College, Madurai, Tamil Nadu.		July 26, 2017
	"Sustainable Assessment: A new Approach in Education". International Conference on English Language, Literature and Education at St Charles College, Madurai, Tamil Nadu. July 27, 2017 (Paper published in Roots: International Journal of Multidisciplinary Researches,Vol.4, Special issue 5, Aug 2017. ISSN:2349-8684)		
Teena Chaudhary and Seema Singh	"Women Engineers: Issue of work- life balance and retention policies,", at the 7th Conference on Management and Information Technology, held in GIBS, Rohini Delhi		16-17 December 2016

6. Participation of Faculty in Short Term Courses

Name of Faculty	Name of Courses	Place	Dates
Ms. Parinita Sinha	TEQIP-II sponsored STTP on "Advanced Web Designing Techniques"	Department of Humanities DTU	July 25-29, 2016
Ms Saroj Bala	TEQIP sponsored STTP on Recent Trends in Geo-Environmental Engineering	Department of Environmental Engineering, DTU	April 18-22, 2016
	TEQIP sponsored STTP on Urban Environmental Challenges& their Control Strategies	Department of Civil Engineering, DTU	July13-17,2016
	TEQIP sponsored STTP on Supply Chain Management for Sustainable Performance	Department of Mechanical Engineering, DTU	July 6-10,2016
	Workshop Attended- 'Emerging Trends for English Language and Communication Skills: A Practical Approach' conducted by Dr Mukti Sanyal and organized by Oxford University Press, Delhi		22 July 2017.
	FDP/STTP ATTENDED- One week STTP on 'Institutional Reforms & Management of Change' at NITTTR Bhopal		10-14 July 2017.

7. Visitors to the Department

Name	Affiliation	Purpose	Dates
Mr. Vineet Wadwa	Brocode Hospitality Solutions		April 26,2016
Ms. Sangeeta Wiz	Mamging Partner SD Engineering Consultants, President WISE India		April 26,2016
Dr. Poonam Juneja	Delhi University	Seminar on social responsibility of Higher Educational Institutions	July 22, 2016
Dr. SushmaMoitra	Delhi University		July 21, 2016
Dr. Rajesh Tandon	UNESCO Co chair on Social responsibility		July 21, 2016
Ms Simi Anderson	Vice-Chairperson & Joint President, International Human Rights Observatory (IHRO)		July 21, 2016
Raj Kumar Jani	Social Entrepreneur & Co-founder Barefoot Lightning India Pvt. Ltd. Jaipur, India +91 961 000 1131 www.barefootlightning.com		July 21, 2016
Dr. Manpreet Singh Manna	Director, AICTE		July 21,2016
Dr. Asha Prasad	BIT, NOIDA Centre		July 21,2016
Raj K Pathak	Chairperson- Delhi NCR India Entrepreneurs Club www.indiaeclub.com		
Prof. S.N.S. Nagra,	Nihal Foundation, New Delhi		
Mr. Anupam Kaushik	Founder-Mad Resistor New Delhi		
Dr. V.P.S. Raju	NUEPA		July22, 2016
Dr. David A. Solomon	Coordinator: Educational Management, Leadership and Policy Stream The British University in Dubai (BUiD)		July22, 2016
Shabana Khan	Director, Indian Research Academy,		July22, 2016
Prof. V.P.S.Arora	VC, Sri Venketaswara University	STTP	July 25 ,2016
Dr Anuja Pandey	AIMA, New Delhi	STTP	July 25 ,2016
Dr. S. Rama Pani	Editor, University News, AIU	STTP	July 26 ,2016
Dr. Anju Tikoo	Faculty of law, DU	STTP	July 26, 2016
Dr. Sunita Malhotra	World Bank	STTP	July 26 2016
Prof. Neeti Agrawal	SoM, IGNOU, New Delhi	STTP	July 27' 2016
Dr. Pradeep Chaudhary	JNU, New Delhi	STTP	July 28 2016
Prof. Ashoka Chandra	Ex-Principal Advisor and Professor, IMI, New Delhi	STTP	July 29, 2016

Name	Affiliation	Purpose	Dates
Dr Amarendra Pani,	Director I/c & Head Research Division, Association of Indian Universities	STTP	July 29 2016
Dr. Sukhdeo	Department of Electronics And Information Technology, NIC	STTP	July 27, 2016
Dr. D. Mishra	Indian Statistical Institute, New Delhi	STTP	July 29, 2016
Prof. RavinderGargesh	Department of Linguistics, University of Delhi	STTP	July 25, 2016
Prof. Anup Beniwal	IP University	STTP	July 27, 2016
Professor Preet Rustogi and her team	Institute for Human Development, New Delhi visited the Department in connection of conducting survey of DTU student6s for their study on the Entrepreneurship.		

8. Conference/Seminar/Symposia/Workshops Organized by the Department

Organizing Secretaries	Details of Conference / Seminar / Symposia / Workshop/Guest Lecture	Venue	Dates
Dr. Seema Singh Mrs. Parinita Sinha	TEQIP -2 Sponsored Finishing Lecture	DTU	April 26, 2016
Dr. Seema Singh Ms. Saroj Bala Mr. Nand Kumar Mrs. Parinita Sinha	TEQIP -2 Sponsored Seminar on 'Social Responsibility of Higher Educational Institutions'	DTU	July 21-22, 2016
Dr. Seema Singh Mr. Nand Kumar Mrs. Parinita Sinha	TEQIP -2 Sponsored STTP on 'Research and Publication'	DTU	July 25-29, 2016

9. Continuing Sponsored Research Projects

Principal Investigator	Title of the Project	Sponsoring Agency	Outlay (amount in Lakhs of ₹)
Dr. Seema Singh	Indian Continuing Engineering Education System in context of Globalisation	AICTE	6.8 lakh

10. Important Professional Affiliations

Dr. Seema Singh	International – Graduate Women International National : i. Indian Economic Association ii. Indian Society of Labour Economics iii. Indian Association for Woman Studies iv. Indian Industrial Relation Association v. Comparative Society of India vi. Women in Science and Engineering (WISE)- India vii. University Women Association of Delhi. e-society i. Forum for Global Knowledge Sharing
Ms Saroj Bala	Member, English Language Teachers Association Of India(ELTAI)

11. Books

Singh S, Course Editor of the Course Revision Team Establishing The Small Scale Enterprise, MS-93; Management of New and Small Enterprises (2), School of Management Studies, Indira Gandhi National Open University.

Singh S, Course Editor of the Course Revision Team Small Scale Enterprise-Getting Organised (3); MS-93; Management of New and Small Enterprises, School of Management Studies, Indira Gandhi National Open University.

Singh S, Course Editor of the Course Revision Team Operating the small Scale Entreprises (4); MS-93; Management of New and Small Enterprises, School of management Studies, Indira Gandhi National Open University.

Singh S, Course Editor of the Course Revision Team Performance Appraisal and growth Strategies (5); MS-93; Management of New and Small Enterprises, School of Management Studies, Indira Gandhi National Open University.

12. Chapter in the Edited Volume

Author	Title of the Chapter/paper	Name of the edited Book/ Name of the Editor/s	Name of the Publisher page no.
Parinita Sinha	Chapter 2: Listening Skills (with Mr. Vishal Sehgal)	Effective Business Communication	CEGR, published by Bharti Publications, 2016
	Chapter 13: External communication (with Mr Sudershan Banerjee)	Effective Business Communication	CEGR, published by Bharti Publications, 2016
	Poem “I Shall Live”	World within Words: An Anthology of Creative Writing in English	Author’s Ink Publications, 2016

4.12 Department of Mechanical, Production & Industrial Engineering

Academic Staff: 42; Students Admitted: UG-322, PG-54, Ph.D. 67; Publications: Journals/Papers-66; Conference/ Symp. -43

1. 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 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. Fluent software is available in the CFD Centre. Industrial Engineering lab has software: SPSS, Witness and lingo 7. The department has developed eco-friendly technology using alternate refrigerants in the RAC lab for re-directing global warming and Ozone depletion. Research and development is facilitated by NT enabled workstations and competitive robots with digital controller. In addition, microprocessors, micro controllers, PIC, spectrum analyzer and logic analyzer are available for project work. The department has a modern workshop equipped with latest machinery in Fitting, Machine shop and facility of welding shop comprises of pulse TIG, ultrasonic welding and submerged arc welding. The students are given hands on experience on CNC Drilling & CNC lathe machine EDM & wire EDM.

2. Academic staff

Professors:17

Prof. R.S Mishra, **Head of the Department,** Ph.D. Thermal Engg., Solar Energy Email: rsmishra@dce.ac.in

Dr. Sagar Maji (On diverted capacity to GPEC), BE, M.Tech, Ph.D. Thermal Engineering, IC Engine Email: smaji@dce.ac.in

Dr. S.K. Garg (Pro. Vice-Chancellor, DTU), Ph.D. Statistical Analysis, Quantitative Methods, and Supply Chain Management Email: skgarg@dce.ac.in

Dr. Naveen Kumar, M.Tech, Ph.D. Thermal Engineering, Email: naveenkumar@dce.ac.in naveenkumardce@gmail.com

Dr. Samsher, Registrar, M.Tech, Ph.D. Power Plant, Turbo Machinery, Email: samsher@dce.ac.in

Dr. D.S.Nagesh, BE, M.Tech, Ph.D. Automation, Robotics, CAD/CAM, Application of ANN & GA, Email: dsnagesh@dce.edu

Dr. Vipin (COE, DTU), BE, M.Tech, Ph.D. Production Engineering, Email: vipin@dce.ac.in

Dr. Reeta Wattal, BE, M.Tech, Ph.D. Production Engineering, Email: reetawattal@dce.ac.in

Dr.Vikas Rastogi, B.Tech, M.Tech, Ph.D., Machine Design

Dr. Atul Kumar Agrawal, BE, M.Tech, Ph.D. Email: atulkumaragarwal@dce.ac.in

Dr. Raj Kumar Singh, BE, M.Tech Applied Mechanics, Email: rajkumarsingh@dce.ac.in

Dr. Ravinderjit Singh Walia, BE, ME, Ph.D. Advanced Manufacturing Processes, Human Factor Engg. FEM & Industrial Engg, Email: waliaravinder@yahoo.com

Dr.Rajesh Kumar, B.Tech, M.Tech, Ph.D. Thermal engineering and Refrigeration, Email:dr.rajeshmits@gmail.com

Dr. Ranganath M.S, BE, ME Production Engineering, Email: ranganath@dce.ac.in

Dr. Ramesh Chander Singh, BE, ME, Ph.D. Production Engineering, Email:rcsingh@dce.ac.in

Dr. Amit Pal, BE, ME, Ph.D. Automobile Engineering, Email: amitpal@dce.ac.in

Dr. Qasim Murtaza, (On Lien) Ph.D. Production Engg, Materials, Metal Coating Advance machining, Email: qasimmurtaza@dce.ac.in

Associate Professors: 10

Dr. Bharat Bhushan Arora, BE, ME, Ph.D. Thermal Engineering, Turbo Machine, Refrigeration and Air Conditioniong, CFD, Email: bbarora@dce.ac.in

Mr. Vishav Kamal, BE, M.Tech Design Engineering, Email: vishwakamal@dce.ac.in

Mr. P.V.Ram Kumar, BE, ME Thermal Engineering, Email: pvramkumar@dce.ac.

Mr. Ashok Kumar Madan, M.Sc (Engg.) CAM/ Automation, Email: ashokmadan@dce.ac.in

Mr. V. Jegannathan, BE, ME, PGDMM Production Engineering, Email: v.jeganathan.dce@gmail.com

Dr. Janardan Prasad Kesri, BE, M.Tech, Ph.D.

Mr. P. K. Jain, DBM, BE, ME Production Engineering, Email: pkjain@dce.ac.in

Dr. Rajiv Chaudhry, M.Tech. (Hons), Ph.D. Mechanical Engineering, Email: rajivchaudhary@dce.ac.in

Mr.Vijay Gautam, M.Tech, Manufacturing, Email: vijaygautam@dce.ac.in

Dr. Akhilesh Arora, M.Tech, Thermal Engineering, Refrigeration and Air conditioning, Email: akhilesharora@dce.ac.in

Assistant Professors: 15

Dr. Manjunath K, M.Tech, Ph.D. Thermal Engineering, Email: manjukmys@gmail.com

Dr. Girish Kumar, Ph.D.

Mr. Pravin Kumar, M.Tech Industrial Management.

Dr. Mahendra Singh Niranjan, ME Production & Industrial Engg.

Mr. Sanjay Kumar, ME Machine Design.

Mr. Krovvidi Srinivas, ME Design & Production, Email: srinivaskrovvidi9@gmail.com

Mr. Naushad Ahmad Ansari, ME Thermal Engineering.

Mr. Roop Lal, ME Machine Design**.**

Mr.Mohammad Zunaid, BE, M.Tech Thermal Engineering.

Mr. Paras Kuma, BE, M.Tech Machine Design.

Mrs. Sushila Rani, ME

Mrs. Navrati Gupta, ME

Mr. R. Gautam, ME Thermal Engineering.

N. Yuvraj, BE (Mech), ME Production Engineering, Email: yuvraj@dce.ac.in

Dr. Saurabh Agrawal, B.E., M.Tech., MBA, Ph.D Supply Chain Management, Reverse Logistics, Industrial Engineering, Data Anatytics Email: saurabh.agrawal@dtu.ac.in, agrawals.iit@gmail.com

3. Honors and Awards to Faculty Members:

Prof. R. S. Mishra

- **Prof (Dr**.) R.S. Mishra, Honoured "**Technology Development Award 2017**" on 12.03.2017, for his outstanding contribution in the field of Appropriate refrigeration technology for sustainable development by Confederation of Indian Universities (CIU) Delhi
- **GUEST OF HONOUR:** National Conference on Recent Advances in Science, Technology & Managemen, Session: I: 29th -30th April. 2016, Phonics Group of Institutions, Roorkee
- **Keynote Speaker:** National Conference on Recent Advances in Science, Technology & Management , Session: I: 29th -30th April. 2016, Phonics Group of Institutions, Roorkee
- **GUEST OF HONOUR:** Convergence of Technology and Management for enhancing India , National Conference on Skill India Initiative: Challenges, Opportunities and Strategies 25th & 26th Feb 2017 , organized by S.D. College of Engineering & Technology and S.D. College of Management Studies Muzaffarnagar (UP),
- Prof (Dr.) R.S. Mishra, **Patron** in the International conference of Advance Production and Industrial Engineering (ICAPIE-2016)
- Chairman in FDP Advanced Manufacturing & Operations Management (AMOM-2017) Delivered Invited Talk on Advanced Manufacturing (FSW/FSP)
- **Best Research Paper Award; " Modeling of Vapour compression Refrigeration Systems using Ecofriendly Alternative Refrigerants in primary circuit and nano based brine (R-718) in the secondary circuit for reducing global warming and Ozone depletion"** in Thermal Engineering of International Conference on Recent Advances in Mechanical Engineering (RAME-2016) on 9-10 Dec-2017 ,Proceeding s ISBN No-978-194-523-970-0, page-547-552
- **Chief Editor:** International conference on Applied Production and Industrial Engineering (ICAPIE-2016)
- **Editor in Chief: International Journal of Research in Engineering & Innovations**

INVITED TALK

Dr. R.S. Mishra **Chairman, Advanced Tribological Systems (ATS-2017) and delivered as an expert lecture talk on Hydrodynamic journal bearings**

Dr. R.S. Mishra **Chairman, "Alternative Fuel and Engineering Tribology" (AFET-2017)**

4. Visit of Faculty Members to Other Institutions

Name of Faculty	Name of Institute/ Organization Visited	Purpose of Visit	Dates
Prof. R. S. Mishra	Phonics Group of Institutions Roorkee	National Conference	2017
	SD College of Engineering & Technology, Mujaffarnagar	National Conference on convergence of Technology and management of enhancing India	25-26th Feb. 2017

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

Name of Faculty	Details of Conference /Seminar/ Symposia/ Workshop/ Guest Lecture	Venue	Dates
Prof. R. S. Mishra	International Conference of Recent Advances in Mechanical Engineering (RAME – 2016)	DTU Delhi	14-15 Oct 2016
	International Conference of Advance in Production & Industrial Engineering (ICAPIE– 2016)	DTU, Delhi	9-10th Dec. 2016
	International Conference of Advance in Production & Industrial Engineering (AMOM– 2016)	DTU, Delhi	3-14th July2016
Prof. Ranganath. M. S.	International Conference of Advance in Production & Industrial Engineering (AMOM– 2016)	DTU, Delhi	3-14th July2016
	International Conference of Advance in Production & Industrial Engineering (AMOM– 2016)	DTU, Delhi	3-14th July2016
Prof. R. C. Singh	ATS- 2017		2017
	AFET-2017		2017
Dr. Amit Pal	International Conference of Recent Advances in Mechanical Engineering (RAME-2016)		14-15 Oct. 2016

6. Participation of Faculty in Short Term Courses

Name of Faculty	Name of Courses	Place
Prof. R.S. Mishra	(AMOM-2017)	Department of Mechanical, Production & Industrial Engineering, Delhi Technological University, Delhi.
	ATS-2017	Department of Mechanical, Production & Industrial Engineering, DTU
	AFET-2017	Department of Mechanical, Production & Industrial Engineering, DTU

7. Visitors to the Department

NIL

8. Conference/Seminar/Symposia/Workshop organized by the Department

Organizing Secretary	Chairman/ Pattern	Details of Conference / Seminar /Symposia/ Workshop/Guest Lecture	Venue	Dates
Dr. Ranganath M. Singari	Prof. R. S. Mishra, Pattern	International Conference of Advance in Production & Industrial Engineering (ICAPIE – 2016)'.	Mechanical Engineering department, DTU	09-10 Dec, 2016
	Prof. R. S. Mishra, Chariman	FDP program on Advanced Manufacturing and operations Management	Mechanical Engineering department, DTU	3-July -2017 to 14-07-2017
	Prof. R. S. Mishra, Chariman	One day workshop on Friction stir welding/ processing	Mechanical Engineering department, DTU	3-July -2017 to 14-07-2017
	Prof. R. S. Mishra, Chariman	Expert Lecture on Taguchi applications	Mechanical Engineering department, DTU	3-July -2017 to 14-07-2017
Dr. Amit Pal	Prof. R. S. Mishra, Chairman	International Conference of Recent Advances in Mechanical Engineering (RAME-2016)	Mechanical Engineering department, DTU	Oct, 14-15, 2016
	Prof. R. S. Mishra, Chairman		Mechanical Engineering department, DTU	Oct- 14-15, 2016
	Prof. R. S. Mishra, Chairman		Mechanical Engineering department, DTU	
Prof R.C. singh	Prof. R. S. Mishra, Chairman		Mechanical Engineering department, DTU	

9. (i) Completed Sponsored Research Projects

Principal Investigator	Title of Project	Sponsoring Agency	Outlay (amount in Lakhs of Rs)
Dr. Amit Pal,	Development of small capacity Bio-Diesel rector for the waste cooking oil generated at hotels, restaurants etc.	Department of Environment , Govt. of Delhi	6.95

(ii) Consultancy Projects

Principal Investigator	Title of the Project	Sponsoring Agency	Outlay (amount in Lakhs of Rs)
Dr. Amit pal, Mr. Vijay Gautam	Design of E-rickshaw	Arihant Energy solutions Delhi	0.30

10. Scientific /Technical Reports under Sponsored Research Projects

Authors	Title of the Reports	Sponsored Agency	Month & Year
Dr. Ranganath M. Singari, Prof. Vipin and Prof. R. S. Mishra	Proc. of ICAPIE-2016	TEQUIP-II, GOI	9-10, Dec, 2016
Dr. Amit Pal, Dr. Raj Kumar Singh and Prof. R. S. Mishra	Innovations & Proc. of RAME-2016	TEQUIP-II, GOI	14-15, Dec. 2016

11. Important Professional Affiliations:

Prof. R.S Mishra

Life Fellow (i) The Institution of Engineers (India) . Calcutta (ii) Geological Society of India , Bangalore (iii) Indian Institution of Environmental Engineers, Delhi (iv)Indian Water Resources Society, Rookee (v) Indian Institute of Disaster management Delhi (vi) 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) Dehra Dune, (xiii) Indian Society for Technical Education (ISTE), (ixv) Indian Society of Mechanical Engineers Delhi, (xv) Indian Society of Dry Land agriculture Hyderabad,

BOOKS PUBLISHED

- Advances in Renewable Energy Technology (Handbook) Amit Pal,Raj Kumar Singh,JP Kesari, RS Mishra Editors Associate Editors Shashank Mohan, E-book ISBN: 978-93-5258-118-4 P-book ISBN: 978-93-5258-119-1.
- Advances in Manufacturing (Hand Book) Prof R S Mishra, Ranganath MS, Vipin

5.0 Centres and Other Units

5.1 TIFAC-Core

The Project on TIFAC-Centre of Relevance and Excellence (CORE) in Fiber Optics and Optical Communication is awarded to DTU Department of Applied Physics in associate with ECE department (www.tifaccore.dce.edu). The Objectives and Current Status is Summarised is below:

Objectives set and Current Status

Objectives set forth while establishing TIFAC CORE @ DCE	Present status TIFAC-CORE@DTU
1. Development of laboratories in the area of fiber optics and optical communication to support ongoing program at B. E. /M.Sc. /M.E. level.	1. Laboratories in the area of fiber optics and optical communication have been set up and experiments are being offered to the students at both B. E. / B. Tech as well as M.Sc./M.E./M.Tech level since the year 2005.
2. (a) Starting new academic program (M.E. – Microwave and Optical Communication) (b) Nano Photonic course is offered to the M.Tech. (Nanoscience & Technology) students of year 2009-2011 to till batch.	2. M.Tech programs in Microwave and Optical communication Engineering is offered since academic year 2009-2010. i. Session 2014-2016 batch: Most of the students are already placed in Industries and teaching jobs in institutes. ii. Year 2015-2017 batch is running with strength of 18 students. .
3. Offering special courses related to Fiber Optics & Optical Communication at B.E. /M.Sc. /M.E. catering to the emerging needs of the industry.	3. Several short term programs/special seminars in focused area of Optical Fiber Communication Systems and network including design of futuristic optical devices have been organized for students/teachers of this university as well as teachers/technical manpower of other academic institutions since 2006 onwards, which includes training on optical fiber cutting and splice workshop.
4. Ph.D. programs supported by experiments and simulation work in the field related to Fiber Optics, Optical Communication Systems and networks.	4. a). Eleven Ph.D. thesis have been completed since the inception of TIFAC CORE lab. Currently, Eight Ph.D. students are working in the field of fiber optics and optical communication systems covering both experimental and simulation work after 2005. b). Currently two scientist from one from NPL and One from LASTEC, DRDO are also working as a Ph.D. students in our labs. Further two faculty members of University of Delhi are pursuing their Ph.D in our labs.
5. Under taking joint R&D projects in collaboration with industrial partner and other academic / scientific organizations.	5. Research work is being carried out with other academic institutions including NIT/IITs/IISc Bangalore and some of the leading R&D organizations like NPL and DRDO labs, which are evident from joint publications/ workshop and training programs. Bilateral projects have also been sanctioned by DST, Govt. of India.

Objectives set forth while establishing TIFAC CORE @ DCE	Present status TIFAC-CORE@DTU
6. Exploring and establishing international collaborations.	6. Student's chapters of professional societies OSA and SPIE have been started and students have been presenting their research work every year in international conferences organized by these professional societies. In addition to these, research papers with joint authorship have been published with Glasgow University, UK, Hokkaido University, Japan, Rice University USA, Tunisian and Russian Scientist as well.
7. To conduct workshops, short term training programs, organize seminars and conferences related to the general area of optics and telecommunication systems.	7. Several workshops, short term / training oriented courses in the areas covering fiber optics and optical communication have been conducted.

Technology/Experiments Developed/Added

i) Experimental set up on the planar waveguide fabrication has been added to the Fiber Optics and Optical Communication Laboratory for B. Tech. (EP) and M. Tech. (MOCE) students

ii) RP Fiber software has been added to the TIFAC-CORE labs for carrying project/ research work by B. Tech. (EP), M. Tech. (MOCE) and Ph. D. students

Academic Programs

1. M.Tech program in Microwave and Optical communication Engineering Currently M.Tech 1st year and M.Tech 2nd year students with a total intake of over 39 students are pursuing their M.Tech Program and are involved in Minor and Major project related with advanced topics of Photonics and Telecommunication Technologies.
2. M.Tech program in Nanoscience and Technology and B.Tech. (Engg. Physics) is offered with focus on Nanophotonics and Nano Scale Devices

Awards and Fellowships/Grants received by students in the year 2016-2017

[Ph.D. students working under Prof. R.K.Sinha/Dr Ajeet Kumar/Dr Yogita Kalra]

a. Than Singh Saini received DST - SERB-National Post Doctoral Fellowship (N-PDF) in July 2016

Delegates/ Visitor of TIFAC-CORE Labs:

- Prof. Anurag Sharma, Dean (Acad) of IIT Delhi also visited TIFAC-CORE Labs and interacted with teachers and students.
- Prof. Shatendra Sharma, Director USIC, JNU also visited TIFAC-CORE Labs and interacted with teachers and students.
- Prof A.K.Sharma, Director, NIT, Delhi Interacted with Ph.D. students in the area of Photonics.
- Prof. Sukhdev Roy, Department of Physics & Computer Science Dayalbagh Educational Institute (Deemed University) Dayalbagh, Agra, Interacted with Ph.D. students in the area of Photonic Crystal Fiber.
- Dr. Sergey Makarov, Deputy Head of All-dielectric Nanophotonics Division

Department of Nanophotonics and Metamaterials, ITMO University St. Petersburg, Russia, visited the TIFAC-CORE labs at Delhi Technological University and delivered talk related to research activities at ITMO, Russia.

- Dr. Roman Saveliev, Senior Research Fellow, Department of Nanophotonics and Metamaterials, ITMO University St. Petersburg, Russia, visited the TIFAC-CORE labs at Delhi Technological University and delivered talk related to Nanophotonics and Metamaterials at ITMO, Russia

Faculty members associated with TIFAC-CORE Department of Applied Physics/ ECE

a) Prof. R.K.Sinha [On lien]
b) (Chief Coordinator TIFAC-CORE@DTU)
c) Presently Director CSIR-Central Scientific Instruments Organisation,
d) Dr. Yogita Kalra , Coordinator, TIFAC – CORE@DTU
e) Dr. Ajeet Kumar
f) Dr. Priyanka Jain, ECE Department
g) Dr. M.S. Mehata
h) Dr P.K.Tyagi
i) Dr. Kamal Kishor

Grants/donation/aid received during 2016-2017 as Resource-Generation:

i) DST sponsored Fast Track Project on "Specialty Large-Mode-Area Rectangular Waveguides and Fibers for High Power Applications" (Approx. 20.00 Lakh) PI: Dr. Ajeet Kumar

ii) Bilateral Research Project "From Plasmonic and Dielectric to Hybrid Nanoantennas: Novel approaches to control Electromagnetic Waves and Light" as DST-RFBR (Indo-Russian) Project, Rs 22.56 Lakh, 2015-2017

iii) Bilateral Research Project " All dielectric plasmonic and hybrid photonic nanostructures" as DST-RMES (Indo-Russian) project, Rs.65.04 Lakh

iv) "Modeling and simulation of single Mode CW High Power Fiber Lasers", CARS project from LASTEC, DRDO Labs, Rs. 10.00 Lakh, 2015-2017.

v) Financial support is also received by professional chapters of SPIE, USA and The Optical Society, USA to promote educational, research and development activities in the area of Optics and Photonics.

Thesis/Projects Awarded and Submitted

a) Ph.D. Thesis Awarded and Submitted:

i) "Growth and Characterization of Carbon Nanotubes for Improved Field Emission"- Srividya Sridhar, 2016 (awarded), University of Delhi Supervised by: Prof- R. K. Sinha

ii) "Preparation, Characterization and Tailoring Nanostructured Films of Metals and Metal Oxides for Application to Biosensor" - Rachna Sharma, 2016 (awarded) to Delhi Technological University Supervised by: Prof- R. K. Sinha & Dr Ved Varun Agrawal (NPL)

iii) **"**Characterization of Photonic Crystal Fibers and Metamaterials: Theory and Experiments"- Kamal Kishor, University of Delhi in 2016 (awarded) Supervised by: Prof- R. K. Sinha

iv) "Application Specific Specialty Optical Fibers and Waveguides" – Than Singh Saini, 2016 (awarded) to Delhi Technological University, Supervised by: Dr. Ajeet Kumar & Prof- R. K. Sinha

v) "Modeling of Photonic Crystal based Logic Gates and optical Devices" – Preeti Rani, 2016 (to be submitted) to Delhi Technological University, Supervised by: Dr. Yogita Kalra & Prof- R. K. Sinha.

b) M.Tech Projects submitted:

i) "Enhanced Image Resolution in Photonic Crystal Structure by Modification of the surface structure and Application as a sensor" Ashwini Agarwal, 2016 supervised by Dr. Yogita Kalra

ii) "Design of All Optical Logic Gates using NAND gate in Photonic Crystal Waveguides" Shiba Fatima, 2016 supervised by Dr. Yogita Kalra

iii) "Design and Analysis of All Optical Dielectric Cylindrical Nanoantennas" Inder Devi, 2016 supervised by Dr. Yogita Kalra

iv) "Mie Resonance based Dielelectric Nanocylinders" Paras Kumar, 2016 supervised by Dr. Yogita Kalra

v) "Design and analysis of chalcogenide based waveguides for generation of slow light" Apurva Tiwari, supervised by Dr. Ajeet Kumar

vi) "Design and analysis of highly nonlinear photonic crystal fiber for super continuum generation: visible to mid IR" Purniya Jamatia, supervised by Dr. Ajeet Kumar

vii) "Super continuum generation in specialty optical fibers: Design and analysis" AGN Chaitanya, supervised by Dr. Ajeet Kumar

viii) "SBS based slow light generation in photonic crystal fiber" Sandeep Yadav, supervised by Dr. Ajeet Kumar

ix) "Design and Modeling of application specific optical waveguides" Himanshu Pandey, supervised by Dr. Ajeet Kumar

National and International Collaboration:

i) TUN-IND joint research proposal Tunisia-India entitled "Study of nonlinear effects in microstructured photonic crystal fibres" (PI: Dr. Ajeet Kumar & Prof. R.K. Sinha as Co, PI)

ii) DST sponsored Indo-Russian bilateral project under DST-RMES program on " All dielectric , plasmonic and hybrid photonic nanostructures for three years (2014-2017) (PI: Prof. R. K. Sinha, Co, PI Dr Yogita Kalra)

iii) DST sponsored Indo-Russian bilateral project under DST-RFBR program on " From plasmonic to dielectric and hybrid nanoantennas : Novel approaches to control electromagnetic waves and light" for three years (2014-2017) .(PI: Prof. R. K. Sinha, Co, PI Dr Yogita Kalra)

iv) CARS-Contract for Acquisition of Research Services Project is also approved from LASTEC, DRDO Lab on Modeling and design of Single Mode Continuous wave High Power Fiber Lasers (2015-2017). (PI: Dr Yogita Kalra)

v) "Indo-Portuguese International Joint Research Project through DST and Foundation for Science and Technology, Portugal on "Graphene based Flexible, Transparent Electrodes for Organic Light Emitting Diodes and Photovoltaic's" as PI (DR P.K.Tyagi) and Co-PI (Prof. R.K.Sinha) Rs 5.29 Lakh+hospitality, 2014-2017

5.2 Solar Energy Centre

Installation, Commisioning, Testing And Operation And Maintainence Of 100 Kw Solar Photovoltaic Power Plant

Delhi Technological University has initiated steps towards renewable energy research, development and application and has decided to install 100 KWp Solar PV Photovoltaic Grid Power Plant. DTU has floated e-tender for 100 KW grid connected SPV plant and the tender was awarded to Photon Energy Systems Ltd. The work is being executed by SBD Green Energy and Infra India Pvt Ltd. A 40 KWp system is already commissioned in the month of June 2015 and the remaining 60 KWp will be commissioned in the due course of time. A 40 KW Solar photovoltaic power plant has been installed at the rooftop of the administrative building of Delhi Technological University as shown above. Two inverters of 20 KW each has been connected to the above shown solar photovoltaic panels. 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 system is controlled in such a way that whenever the solar power is available, it has priority and preference over the conventional grid power and so it will be directly fed to the DTU grid. It means that DTU is saving the power from the conventional electricity grid and taking that much power from the solar PV plant hence saving the electricity cost.This is done keeping in consideration the need of the hour due to deteriorating global Climatic Conditions, Pollutions, Use of Scarce natural resources, Use of Fossil fuel etc and to use the abundant Solar Radiation available in Delhi in particular and in India in generalthrough out the year. Commissioning of 100kW power plant will generate approx. 1,50,000kWh in a year and will add to the supply of electricity in Delhi. Though this is small step but the beginning of the initiative alongwith other initiatives in the field of renewable energy by the university. Uses of 1,50,000 KWp Conventional electricity means consuming 15 Tonnes of Coal and 1700 Thousand Litres of Water. Burning of Each Kg of Coal for Producing electricity not only consumes scarce resources but also emits Gases like CO_2, SO_2 NO_xetc detrimental to the environment.

This plant is installed by university's own source of Funding and strong efforts are underway to get the appropriate subsidy part through, EE-REM, Energy Efficiency and Renewable Energy Management under department of power, Delhi Government and MNRE, Government of India. Commissioning of this project will help in creating awareness amongst the students, faculties and visitors towards solar. It will also be helpful to students and faculties in research projects related to Solar power System.

5.3 Kitchen Waste Plant

Setting Up of 0.5 Tonne per Day Kitchen Waste Based Bio-Methanation Plant at Delhi Technological University in Collaboration with BARC, Govt. Of India

Delhi Technological University and Bhabha Atomic Research Centre (BARC) jointly took up the project of installation of Nisargrunatype biogas Plant at DTU campus in the backyard of main canteen

having capacityof 0.5MT/day. Nisargruna technology is a method of processing biodegradable waste developed by BARC It is an environment friendly technology, which delivers two valuable products i.e. Methane and Manure. Presently the waste generated in Delhi Technological University is mainly kitchen waste from the main kitchen area. This kitchen waste is fed in the installed biogas Plant. This plant was installed and commissioned in April 2014. Initially, the system started functioning with about 50 kg waste 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. It is mixed and grinded and then fed to the plant. The methane gas so generated by this plant is fed to the kitchen of the main canteen. Initially the gas was fed for an hour and now it is fed for more than 2-3 hours.

BiomethanationTechnology is a successful combination of aerobic and anaerobic process. It could be very useful to sabzimandi 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 is 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. In comparison with other waste processing technologies, Nisargruna seems to be sustainable in all aspects including social and business aspects. 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 M.Tech and PhD on this subject and on this installation.

5.4 University Computer Centre

Head of the Computer Center

Dr. Manoj Kumar, head.cc@dce.ac.in

Network Manager

Piyush Vaish, Piyushvaish@dtu.ac.in

Sandeep Choudhary	Assitant Programmer
Mukesh Kumar	Assitant Programmer
Imran Khan	Technical Assistant
Sudhir Kumar	Network Assistant
Vinod Saini	Network Assistant
Dheeraj Sihag	Junior Office 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 rack servers, Dell blade servers (power edge 1000e and R630) and about 150 desktop computer systems of Dell computers of latest configuration (OptiPlex 980/990, i5). These are working on Windows 7/8/8.1, server 2008 and Linux platforms.

DTU Campus wide Network

The centre is networked through high-end intelligent CISCO/Dax/Avaya/D-Link manageable switch, and possesses round the clock two leased lines of 50 Mbps (Bharti Airtel) and 1Gbps link of NKN (shared bandwidth) in different pipes for the Wi-Fi connectivity in the Library, Academic, Departments, Administrative and Hostel blocks of the campus, with internet facilities on all the nodes.Access for internet is given to end user after secure authentication. Recently, the traffic is being monitored & controlled by full version of checkpoint (UTM).Presently all the 150 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 and all the hostels of DTU are interconnected using 48 core & 6 core optical fiber cable(OFC) and Wi-Fi with 75 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, faculty portal, hostel portal, student portal, DTU times portal, and other related intranet 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. The traffic is being monitored & secure by full version of checkpoint (UTM).

5.5 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, 13, 351** consists of 1, 42, 315 main collection, 57, 887 Book Bank, 9,057 SCP Book Bank, and 4, 092 donated books. Library also subscribes a large number of reputed magazines &

news papers. 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.

Librarian

Dr. Rama Kant Shukla

Assistant Librarian

Dr. (Mrs.) Lalita

Counter Assistant

Mrs. Taruna

Mrs. Rampati Nain

Mrs. Neeru Malik

Mrs. Neeru Vij

Mr. Abdul Aleem

Library Attendant

Mr. Saudan Singh

Mr. Narender Kumar Sharma

Books Acquisition

Year	No. of Books Purchased	Total Expenditure
01.04.2016-31.03.2017	4722	Rs. 24,50,553.00

Expenditure on Books and E-Resources

Financial Year	Online - Resources (in Rs.)	Books (in Rs.)	Total (in Rs.)
2016-2017	Rs. 1,81,19,570.00	Rs. 24,50,553.00	Rs. 2,07,18,881.00

Issue, Re-Issue and Return

Year	Issue	Re-issue	Return
01.04.2016-31.03.2017	37856	11893	26937

No. of E-Resources Subscribed by DTU Library

S. No	Databases	No. of Jrs
1	Access Engineering (McGrwHill)	686
2	ACM	50
3	All Society Periodicals Package	187
4	American Chemical Society	55
5	American Institute of Physics	19
6	American Physical Society	13
7	ASCE	37
8	ASME	28
9	ASTM	10
10	Cambridge University Press	418
11	EBSCO	20105

S. No	Databases	No. of Jrs
12	EMERALD MANAGEMENT XTRA	298
13	ICE	29
14	IEEE/IEL	488
15	INDIANJOURNALS	108
16	Institute of Physics	46
17	IWA Publishing Journals (12)	12
18	J-Gate	9289
19	Optical Society of America	18
20	Oxford University Press	206
21	SCIENCEDIRECT	889
22	SIAM	14
23	SPRINGERLINK	1469
24	Taylor & Francis Journal	1079
25	Wiley Blackwell Publishing	915
	Total Journals=	36468

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 activates 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 DELNET etc.

Central Library

Library Book Bank

Library Reading Room

5.6 Centres for Advanced Studies & Research in Automotive Engineering

Energy security is considered as the most important factor ensuring all-round economic development of a nation. The reasons are not far to seek. Energy is a basic input for almost all the economic activities. In fact one of the indicators of economic growth has all along been the per capita consumption of energy. Fossil fuels such as coal, petroleum and biomass have been the energy sources of the world for centuries. However, in the third millennium, there has been a growing recognition of the dangers inherent in continuing with indiscriminate consumption of fossil fuels for more than one reasons, of late, world opinion has been growing in favor of looking for alternatives to fossil fuels that would ensure eco-friendly and sustainable development on the one hand and energy security on the other. Recent surge in crude petroleum prices & local and regional environmental concerns such as air pollution, water pollution, land degradation, waste generation and global environmental concerns such as the growth in atmospheric concentration of the Green House Gases (GHGs) leading to climate change have again brought renewable energy to the Centre state. The broad goals of the Government of India under "Energy for All" concept assumes an increasing role for renewables, particularly for meeting the energy needs of rural areas and for environmental conservation by setting up decentralized power plants. Under the influence of programmes of the UN Framework Convention on Climate Change (FCCC) and the Kyoto Protocol, there is an urgent need for promoting renewable energy technology for sustainable development. Center for Advanced Studies & Research in Automotive Engineering established by Delhi College of Engineering now Delhi Technological University which in 2003, has made great stride in the area of alternative fuels and renewable energy and has a distinctive position not only in India but abroad also.

Achievements of Centre

- Potential of producing 10,000 liters of biodiesel from its own cultivation.
- Training programmes (3 Nos.) conducted for self help group of women, farmers and ex. defense personnel in 2004-05.
- Biodiesel processing units developed with production capacities ranging from 5 liters per batch to 5000 liters per day based upon homogenized catalyzed technology.
- Research on heterogeneous catalysts and super critical biodiesel production process underway.

- Ministry of New and Renewable Energy, Govt. of India Sponsored project "Development of an efficient biodiesel reactor for rural application and utilization of multi feedstock derived biodiesel in medium capacity diesel engine" successfully completed at the centre. Grant sanctioned Rs. 20.92 lacs.
- PCRA Sponsored project "Development & process optimization of a medium capacity state of art biodiesel processing unit" successfully completed at the centre. Grant sanctioned Rs. 15 lacs.
- Yanmar Co. Ltd., Osaka, Japan funded project Performance & Endurance Tests on a Yanmar 10 KW diesel Generator set fuelled with neat biodiesel (B100)" successfully completed at the centre. During this project, a Yanmar 10 kW diesel engine was run for 6,500 hours on neat jatropha biodiesel to assess the suitability of B100 application in diesel engine. The project was aimed towards development of a biodiesel specific engine. Grant sanctioned Rs. 41 lacs.
- 20,000 kms Trial completed on Maruti Zen Diesel on B20.
- Trials completed on Tata Indica on B20.
- Fully fledged laboratory to evaluate different physico-chemical properties of biodiesel in accordance with ASTM D-6751.
- Development of nursery of high yielding Jatropha and Karanja saplings.
- Studies on Life Cycle Analysis (LCA) of Jatropha and Karanja biodiesel.
- Development of cooking stove running on neat Jatropha oil/ biodiesel
- Research on Algae Biodiesel in progress and a Photo-bioreactor already developed.
- Research on H_2 production from biological material is underway.
- Development of Hydrogen Fuelled SI Engine.
- Development of HCCI Engine
- Indo-Spanish Collaborative Research Project "Application of supercritical technology for the synthesis of biodiesel from non edible oils (Jatropha curcas and Pongamia pinnata) using heterogeneous catalysts" completed.

6.0 University Accounts

6.1 Balance sheet

BALANCE SHEET AS ON 31st MARCH 2017		
LIABILITIES	**AMOUNT(RS)**	**AMOUNT(RS)**
	2016-2017	**2015-2016**
Corpus Fund	390,981,876.00	355,045,902.00
Deductions	15,800,427.00	12,771,219.00
Student Funds	308,422,123.37	240,644,947.37
Security Deposit	78,709,411.00	79,056,411.00
Innovation Project Funds	(4,850,422.00)	(4,723,640.00)
Consultancy Project Payments	111,897,476.00	94,452,456.00
Sponsored Projects Funds	10,671,500.00	10,735,346.00
Development Fund	229,753,500.00	157,062,500.00
Scholarship Fund	3,735,925.00	7,541,664.00
AICTE Scholarship Fund	56,117,858.00	51,843,283.00
TEQUIP-II FUND	10,542,965.00	31,424,658.00
UGC GRANT	2,237,336.00	2,334,107.00
INCUBATIO CENTRES GRANT	(187,652.00)	15,000,000.00
Income & Expenditure Account	1,411,232,860.97	1,213,745,111.37
ECONOMICALLY WEAKER SECTION FUND	11,020,000.00	
TOTAL	**2,636,085,184.34**	**2,266,933,964.74**

ASSETS	**AMOUNT(RS)**	**AMOUNT(RS)**
	2016-2017	**2015-2016**
Fixed Assets	855,719,975.00	626,682,246.00
Investments	1,412,427,869.00	1,070,933,129.00
Closing Bank Balances	366,809,965.34	565,381,629.74
Tax Deducted At Source	1,127,375.00	3,936,960.00
TOTAL	2,636,085,184.34	2,266,933,964.74

6.2 Details of Plan Expenditure

Details of Expdr. Under Plan Scheme of G.I.A. FY 2016-17

Sl. No.	Sub - Head of Exenditure	Items of Expenditure	Unspent Balance of GIA + Receipts of Fin. Yr. 2013-14	Budgeted Expenditure During the Period	Actual Expenditure During the Period	Amount Available
1	Book Bank & Library					
		BooksE-Journals, Magazines and Newspapers for Library		15000000.00 Cr	15060673.52 Dr	60673.52 Dr
		Total -		15000000.00 Cr	15060673.52 Dr	60673.52 Dr
2	Capital (Construction Works Civil & Electrical) 2(A)					
		Construction Work of Building - Capital		160000000.00 Cr	141577680.00 Dr	18422320.00 Cr
		Electric Work of Building - Capital		35000000.00 Cr	3522947.00 Dr	224947.00 Dr
		Fixture & Furnishing of Building- Capital		1000000.00 Cr		1000000.00 Cr
		Structural Design for New Building - Capital		4000000.00 Cr	2500000.00 Dr	1500000.00 Cr
		Total -		200000000.00 Cr	179302627.00 Dr	20697373.00 Cr
3 (a)	Civil, Electrical & Horticulture (Repair & Maitenance) 2(B)					
		Horticulture Work		3500000.00 Cr	3210351.00 Dr	289649.00 Cr
		Maintenance of Building-Civil		30000000.00 Cr	14570302.00 Dr	15429698.00 Cr
		Maintenance of Building -Electrical		30000000.00 Cr	17152493.00 Dr	12847507.00 Cr
		Total -		63500000.00 Cr	34933146.00 Dr	28566854.00 Cr

Sl. No.	Sub - Head of Exenditure	Items of Expenditure	Unspent Balance of GIA + Receipts of Fin. Yr. 2013-14	Budgeted Expenditure During the Period	Actual Expenditure During the Period	Amount Available
3 (b)	Direction and Administration					
		Advertising and Publicity		5000000.00 Cr	4957969.00 Dr	42031.00 Cr
		AMC of Office Equipment		2000000.00 Cr	1442782.00 Dr	557218.00 Cr
		Awards to Faculties		100000.00 Cr		100000.00 Cr
		Awards to Meritiorious Students				
		Conveyance to Staff		150000.00 Cr	7223.00 Dr	142777.00 Cr
		Electricity Expenses		58000000.00 Cr	51573617.00 Dr	6426383.00 Cr
		Honorarium & TA to Guest Lecturers and Commitee Members		8000000.00 Cr	6384805.00 Dr	1615195.00 Cr
		Installation and AMC of Solar Light and Water Heter Etc.		5500000.00 Cr		5500000.00 Cr
		Leave on LTC Encashment		2000000.00 Cr	1420783.00 Dr	579217.00 Cr
		Leave Salary & Pension Contribution		1300000.00 Cr	1094997.00 Dr	205003.00 Cr
		LTC Expenses		5000000.00 Cr	3174775.00 Dr	1825225.00 Cr
		Maintenance of Vehicles		400000.00 Cr	220514.00 Dr	179486.00 Cr
		Medical		10000000.00 Cr	8706855.00 Dr	1293145.00 Cr
		Misc. Expenses		15000000.00 Cr	13326914.00 Dr	1673086.00 Cr
		Office Equipment		2100000.00 Cr	1342910.00 Dr	757090.00 Cr
		Office Furniture		500000.00 Cr		500000.00 Cr
		Office Stationery		7000000.00 Cr	3777443.00 Dr	3222557.00 Cr
		Office Store		400000.00 Cr	135228.00 Dr	264772.00 Cr
		O. T. A.		100000.00 Cr	16800.00 Dr	83200.00 Cr

Sl. No.	Sub - Head of Exenditure	Items of Expenditure	Unspent Balance of GIA + Receipts of Fin. Yr. 2013-14	Budgeted Expenditure During the Period	Actual Expenditure During the Period	Amount Available
		Other Allowances (Honoarium/ Bonus/Wages)		3000000.00 Cr	2316288.00 Dr	683712.00 Cr
		Outsourcing of Attendants/ Computer Operator		40000000.00 Cr	30580991.00 Dr	9419009.00 Cr
		Payment of Newspapers, Magazines for Head of Offices, PRO		300000.00 Cr	171248.00 Dr	128752.00 Cr
		Payment on Seminars, Conferences, Workshop Etc.		2500000.00 Cr	2006322.00 Dr	493678.00 Cr
		Payment to Professionals		1000000.00 Cr	780810.00 Dr	219190.00 Cr
		Petrol & Fuel Charges		500000.00 Cr	346390.00 Dr	153610.00 Cr
		Providing Facilities in Hostel		100000.00 Cr		100000.00 Cr
		Purchase of Vehicles				
		Remuneration for Coaching/ Part-Time/ Evening Classes		35000000.00 Cr	33327627.00 Dr	1672373.00 Cr
		Salary - Pay & Allowances		440000000.00 Cr	447969604.00 Dr	7969604.00 Dr
		Sanitation - Maintanance of DTU / Campus		15000000.00 Cr	10623679.00 Dr	4376321.00 Cr
		Security Charges		16500000.00 Cr	14282949.00 Dr	2217051.00 Cr
		Student Welfare Fund Expenses		30000000.00 Cr	29473648.00 Dr	526352.00 Cr
		TA-DTE/FTE		900000.00 Cr	605650.00 Dr	294350.00 Cr
		Telephone Charges		1600000.00 Cr	1421226.00 Dr	178774.00 Cr

Sl. No.	Sub - Head of Exenditure	Items of Expenditure	Unspent Balance of GIA + Receipts of Fin. Yr. 2013-14	Budgeted Expenditure During the Period	Actual Expenditure During the Period	Amount Available
		Total -		708950000.00 Cr	671490047.00 Dr	37459953.00 Cr
4	Examination Cell					
		Strengthening of Examination Cell		19000000.00 Cr	17815151.50 Dr	1184848.50 Cr
		Total -		19000000.00 Cr	17815151.50 Dr	1184848.50 Cr
5	Faculty Development & Student Welfare Programme					
		Faculty Development Programme		700000.00 Cr	542579.00 Dr	157421.00 Cr
		Professional Development Fund		5000000.00 Cr	306497.00 Dr	4693503.00 Cr
		Student Welfare Programme -Expenses For Sc-St (Students) Coaching Classes		200000.00 Cr		200000.00 Cr
		Total -		5900000.00 Cr	849076.00 Dr	5050924.00 Cr
6	Honorarium to Samsung Classes					
		Total -				
7	Modernisation of Machinery , Equipment & Information Technology					
		AMC of the Electronics, IT Equipment		1500000.00 Cr	514953.00 Dr	985047.00 Cr
		Consumable Stores for Labs, Library Etc.		5000000.00 Cr	3454088.00 Dr	1545912.00 Cr

Sl. No.	Sub - Head of Exenditure	Items of Expenditure	Unspent Balance of GIA + Receipts of Fin. Yr. 2013-14	Budgeted Expenditure During the Period	Actual Expenditure During the Period	Amount Available
		Cost of Repair and Spare Parts for Machinery & Equipment		5200000.00 Cr	4430818.00 Dr	769182.00 Cr
		Furniture and Stores for Lab/ Library / Hostel - Stores & Materials		9000000.00 Cr	6434710.00 Dr	2565290.00 Cr
		Internet Expenses		2500000.00 Cr	1116745.00 Dr	1383255.00 Cr
		Non -Consumables Stores for Labs,Library Etc.		2500000.00 Cr	1463415.00 Dr	1036585.00 Cr
		Purchase of Computer, Servers - Information Technology		20000000.00 Cr	12657580.00 Dr	7342420.00 Cr
		Purchase of Consumables for IT		1000000.00 Cr	867266.00 Dr	132734.00 Cr
		Purchase of Machinery and Equipments for the Departments, Labs, Excellent Centers, Workshop Etc.		55000000.00 Cr	49635316.00 Dr	5364684.00 Cr
		Total -		101700000.00 Cr	80574891.00 Dr	21125109.00 Cr
8	Scholarship & Stipend to PG & Research Scholar					
		Scholarship to PG & Research Scholars		35000000.00 Cr	34922994.00 Dr	77006.00 Cr
		Total -		35000000.00 Cr	34922994.00 Dr	77006.00 Cr

Sl. No.	Sub - Head of Exenditure	Items of Expenditure	Unspent Balance of GIA + Receipts of Fin. Yr. 2013-14	Budgeted Expenditure During the Period	Actual Expenditure During the Period	Amount Available
9	Technical Education EDUSAT Network and Knowledge Park					
		Expenses on Development of Infrastructure and Purchase of Tools & Equipment - Edu-Sat and Studio		100000.00 Cr		100000.00 Cr
		Expenses on Development of Infrastructure-Knowledge Park		200000.00 Cr		200000.00 Cr
		Payment to Outsource Staff/ Maintenace/ service Chages-Edu-Sat and Studio		500000.00 Cr	438434.00 Dr	61566.00 Cr
		Payment to Outsource Staff/ maintenace/ Service Charges-Knowledge Park		150000.00 Cr		150000.00 Cr
		Total -		950000.00 Cr	438434.00 Dr	511566.00 Cr
10	Unspent Balance					
		Total -				
		Total Recurring		1150000000.00 Cr	1035387040.02 Dr	114612959.98 Cr
		Total Non Recurring -				

Sl. No.	Sub - Head of Exenditure	Items of Expenditure	Unspent Balance of GIA + Receipts of Fin. Yr. 2013-14	Budgeted Expenditure During the Period	Actual Expenditure During the Period	Amount Available
		Grand Total Recurring & Non-Recurring		1150000000.00 Cr	1035387040.02 Dr	114612959.98 Cr

6.3 Income & Expenditure

Statement 2016-17 of DTU

INCOMES	AMOUNT (RS) 2016-2017	AMOUNT (RS) 2015-2016
Grants Received From Government Of Nct,Delhi	255,000,000.00	410,000,000.00
Fees From Students	588,859,799.30	524,405,627.82
Rent And Incidental Charges	17,593,460.00	4,061,288.00
Miscellaneous Receipts	62,884,165.95	10,912,267.00
Bank Interest	51,883,364.00	42,491,932.00
Grand Total	**976,220,789.25**	**991,871,114.82**

Expenditures	AMOUNT (RS) 2016-2017	AMOUNT (RS) 2015-2016
Book Bank And Library	15,060,673.52	20,734,090.26
Maintenance Of Building	34,933,146.00	67,587,863.00
Faculty Development And Student Welfare Programme	849,076.00	1,918,333.00
Examination Cell	17,815,151.50	13,699,649.00
Scholarship And Stipend To Pg And Research Scholars	34,922,994.00	10,548,832.00
Technical Education,Edusat Network And		
Knowledge Park	438,434.00	374,158.00
Modernisation Of Machinery,Equipment And		
Information Technology	30,939,575.00	30,912,614.00
Direction And Administration	643,691,904.00	544,111,204.00
Bank Charges	82,085.63	51,221.26
Surplus-Excess Of Income Over Expenditure	197,487,749.60	301,933,150.30
Grand Total	976,220,789.25	991,871,114.82

Sponsored Research, Consultancy and Projects

7.1 Sponsored Projects

S. No.	Title of the Research project	Principal Investigators/ Co Principal Investigators	Sponsored agency	Total amount	Year of sanction	Department
1	Classification and Analysis of Suspicious Codes based on their Static and Dynamic Features Using Multiple Classifies	Dr. Kapil Sharma	DRDO	Rs. 22,35,180/-	2017	IT
2	Design Development and Testing of Control and Synchronization of power Electronics based Converters with Renewable Energy Sources	Dr. Alka Singh	SERB	Total- 68,87,252/- 1st- 52,43,044/- 2nd- 7,98,704/- 3rd- 8,45,504/-	March 2017	Electrical
3.	Diabetes	Dr. Rashmi K. Ambasta	CSIR- Scientific officer pool scheme	Rs. 20 Lakh (Approx.)	1-7-2016	
4.	Development of alternative sustainable fish feeds to promote human health using novel non-conventional indigenous ingredients	Dr. Jai Goapl Sharma	DBT-India	56.50 Lakhs	26 April, 2016	
5.	Nanoenabeld Biosensor for detection of Neisseria gonorrhoeae	Dr. Jai Gopal, Prof. B.D. Malhotra, Project Coordinator	D DBT	Rs. 50 Lac	Aug 2016, 788400/-	Biotechnology
6.	Phototoinduced charge transfer Dynamics of Quantum Dots/Molecules under the Influence of external Perturbation	Dr. M. S. Mehata	S SERB	Rs. 62,17,134	March, 2017 EMR / 2016 / 001110	Applied Physics
7.	Mapping Impervious Surface from Temporal Multi Sensor Multi Resolution Data and it's area Estimation using Super Resolution	Prof. K.C. Tiwari	IS ISRO	Rs 9,00,000/-	2017	Civil
8.	Convection Dominant Diffusion Problem: Numerical Computations of Adaptive Meshes and Error Estimations	Dr. Vlvek K Aggarwal	DAE	Rs 3,49,000/-	2016	Applied Mathematics

S. No.	Title of the Research project	Principal Investigators/ Co Principal Investigators	Sponsored agency	Total amount	Year of sanction	Department
9.	Ultrafast Dynamics of Excitons and Charge Carriers in the White Light-Emitting Quantum Dots Produced at Low Temperature	Dr. M.S. Mehata	DST	Rs. 19,85,600	Nov, 2017	Applied physics
10.	Genetic Analysis of Dermatological Disorders	Dr. Yasha Hasija	DBT	Rs. 44,07,700/-	July 2017	Biotechnology
11.	TBRL Sponsored Project	Prof. Rajeev Kapoor	TBRL-DRDO	50Lac	April 2016	
12	DST-INSPIRE Faculty	Dr. Bharti Singh	DST	Rs. 35,00,000/-	2017	Applied Physics

7.2 Consultancy Projects

S. No.	Title of the Research project	Principal Investigators/ CO Principal Investigators	Year of Sanction	Total Amount
1	Mix Design for M25 and M30 Concrete	Prof. A. K. Sahu	2017	1,17647/- Including 15% Tax
2	Design Mix for M-30 Grade for Delhi Jal Board Varunalaya Phase-1, Karol Bagh, New Delhi	Prof. A.K. Sahu	2017	58,825/-
3	Bankenam Beam Test	Mr. Sushil Kumar	2017	11,32,750
4	CBR	Mr. Sushil Kumar	2017	1,76,470,
5	Material Testing MM Road	Mr. Sushil Kumar	2017	4,70,588
6	Construction of 7000 Additional Classrooms in Various Existing School. Under Education Zone (M), New Delhi (Priority-I) (Sh: C/O Main SPS Type Building I/C Internal & External Water Supply, Sanitary Installaction, Development of Site Etc.	BRG Robert	2017	800 Crores (Work Value
7	Various Project Undertaken by HSCC Under AIIMS, New Delhi-Empanelment of Third Party Quality Inspection Agency Reg.	BRG Robert	2017	1500 Crores (Work Value)
8	Mix Design For M25 And M30 Concrete	Prof. A.k. Sahu	2017	1,17,647/-
9	Carringout Deartive and non Detructive Teb	Mr. Sushil Kumar	01.09.16	1,27,059 Inluding 15% Tax

S. No.	Title of the Research project	Principal Investigators/ CO Principal Investigators	Year of Sanction	Total Amount
10	Design & Cral Thichen For Const Of New Road At Dubal Nath Ualter Road Delhi Length 0.600Km	Mr. Sushil Kumar Pwd	01.09.16	2,35,294 Including 15.5% Tax
11	Conducting Road Stady And Bankebman Deam Test For Road South West Road-1	Mr. Sushil Kumar Pwd	20.09.16	2.83,353/- Including 15.5%
12	Testing Of Materials And Quality Audit For Additional Classrooms Of Semi Permanent Structure To Constructe In Existing Schools Under Education Maintenance Division Pwd	Brg Robert	2016	290
13.	Construction of HIG Houses including Internal development & Electrification	Mr. Naresh Kumar	2016	2,30,000/-

7.3 TEQIP II Project

Brief Introduction and Objective

1. TEQIP-II Project started in DTU in July 2013 with the issue of office order DTU/TEQIP/2011/430/514052 dated 05.07.2013. The main objectives of TEQIP-II Project at DTU are:

a) Strengthening PG Education, Research and Innovation

b) Industry Partnership in Education and Research.

c) Building Quality Faculty Capacity – Faculty "inspired to teach and driven to research"

2. An Orientation program at NPIU for all officials of DTU TEQIP Team was organized on September 20, 2013.
3. The institute is covered under Sub component 1.2 which is meant for scaling-up Postgraduate Education and demand driven R&D and innovation.

Finance Details

1. The different activities along with funds allocations of TEQIP-II Project are summarized as under:

S. No.	Activities	Allocations
1.	Procurement	5.625 crore
2.	Assistance ship	2.50 crore
3.	R& D	0.625 crore
4.	Faculty and Staff development	1.25 crore
5.	Industry institute Interactions	0.625 crore
6.	Capacity Development	0.25 crore
7.	Reforms	0.125 crore
8.	Academic Support for weak students	0.25 crore
9.	Incremental Operating Costs	1.25 crore
	Total	**12.5 Crore**

2. Five Bank Accounts have been opened for smooth completion of TEQIP-II Project. The details of Bank Account Opened for TEQIP-II Project are as under:

S. No.	Account Name	Account Number
1.	DTU- TEQIP-II	33602463417
2.	Corpus Fund- TEQIP-II	33602465528
3.	Faculty Development Fund –TEQIP-II	33602467296
4.	Equipment Replacement Fund-TEQIP-II	33602468868
5.	Maintenance fund TEQIP-II	33602470796

3. Financial Power of Rs. 1 Lakh has been granted to Coordinator, TEQIP-II Project as far as purchase of consumables/ equipments is concerned.
4. Financial Power of Rs. 1 Lakh has been granted to Coordinator, TEQIP-II Project for salary of staff working under TEQIP-II Project and petty expenses subject to verification of the Accounts Branch.

Staff in TEQIP Cell

Interview to 4 Project posts e.g. MIS Officer, Data Entry Operator, Accountant and Office Attendant are working in TEQIP Cell for more than a year. To complete data records of Academic Sections for onwards entries in MIS, Two Data Entry Operator has also been engaged.

International Conferences outside India

The following Sixteen (16) International visits have been attended by the faculty members with financial support from TEQIP-II Project:

1. 18th International Conference on "Information Technology & Computer Science" from April 11-12, 2016 at Italy by Dr. Ruchika Malhotra
2. 12th International Conference on "Approximation Theory and its Applications" at Sibiu, Romania from May 26 – 29, 2016 by Dr. Naokant Deo
3. London International Conference for Advanced Research in Business at University of London, UK during June 20 – 21, 2016 and also visit Imperial College and Excel Management Ltd. during June 22 – 24, 2016 by Prof. S.K. Garg
4. 8th International Conference on e-Health at Funchal, Madeira, Portugal during July 1-3, 2016 by Dr. Divyashikha Sethia
5. 29th International Conference on "Advances and Trends in Engineering Materials and their Applications (TORONTO'2016 AES-ATEMA)" at Toronto, Canada from July 4-8, 2016 by Dr. R.S. Walia
6. 29th International Conference on "Advances and Trends in Engineering Materials and their Applications (TORONTO'2016 AES-ATEMA)" at Toronto, Canada from July 4-8, 2016 by Dr. Rajesh Kumar
7. 14th International Conference on Software Engg. Research and Practice (SERP'16) at Las Vegas, USA during July 25-28, 2016 by Dr. Daya Gupta
8. Prof. S.K. Garg (PVC), Prof. A. Trivedi, (Dean-IRD), Prof. Vishal Verma, (Dean Academics-PG) and Shri O.P. Shukla, (Jt. Director, TTE) to visit for Research Collaboration in USA from July 24 to August 06, 2016
9. International visit for delivering the

Expert lecture in University of South Florida, Tampa, USA from August 22 – 29, 2016 by Prof. Naveen Kumar

The following two (2) International visits are under process:

1. ACEM16-International Conference on "Advanced Environmental Science & Technology" (AEST) at ICC Jeju, Jeju Island, South Korea from August 28 to September 01, 2016 by Dr. A.K. Haritash
2. International Travel for Networking & doing Joint Research and Consultancy in collaboration at France from September 5 – 13, 2016 by Prof. Rajeev Kapoor

Conferences within India

1. The following six (6) International Conferences within India have been attended by the faculty members with financial support from TEQIP-II Project:
2. Shri Pradeep Kumar Jain, Shri Jeebananda Panda, Shri Sanjay Kumar, Ms. Saroj Bala and Shri Alok Kumar Singh have attended "5th International Symposium on Fusion of Science and Technology (ISFT 2016)" at National Agriculture Science Centre (NASC) Complex, New Delhi held on January 18-22, 2016
3. Shri N. Yuvraj has attended International Conference on "Materials, Design and Manufacturing Process 2016" at Anna University, Chennai during February 17 to 19, 2016
4. Shri Paras Kumar has attended International Conference on "Recent Trends in Engineering and Materials Science 2016" at National University, Jaipur during March 17 to 19, 2016
5. Ms. Sushila Rani has attended International Conference on "Processing of Materials, Minerals and Energy" at PACE Institute of Technology and Sciences Ongole, Prakasam District, Andhra Pradesh during July 29 – 30, 2016.
6. 12th International Conference on "Image and Signal Processing" (ICISP-2016) at Visvesvaraya College of Engineering, Bangalore during August 19-21, 2016 by Shri Mahipal Singh Chaudhary.
7. International Conference on "Communication and Computing Systems" (ICCCS-2016) at Dronacharya College of Engineering, Gurgaon during September 9 – 11, 2016 by Dr. Rajeev Kumar Mishra

Faculty Development Programme

The following Nineteen (19) Faculty Development Programme has been organized under TEQIP-II Project:

1. Advances in Information Security (January 18 – 22, 2016)
2. Recent Trends in Pattern Analysis & Machine learning (July 11-15, 2016)
3. Statistical methods and a brief on LaTex (July 18 – 22, 2016)
4. Recent Development and Challenges in Materials and Manufacturing process (July 25-29, 2016)
5. Advance in Microelectronics and Plasma Diagnostics (August 29 to September 2, 2016)

Short Term Training Program/Seminar/ Workshop

The following Short Term Training Program/ Seminar/Workshop has been organized under TEQIP-II Project:

1. STTP on Recent Trends in Geo-environmental Engineering from April 18 – 22, 2016 by Civil Engg. Deptt.

2. One day workshop on "Curriculum Revision and Development" on 22.04.2016 by Electrical Engg. Deptt.
3. Two days seminar on "Innovations and Challenges in Thermal Engineering" from July 7 - 8, 2016 by Mechanical Engg. Deptt.
4. STTP on Geotechnical Engineering for Urban Infrastructure from July 11-15, 2016 by Civil Engg. Deptt.
5. STTP on PLC, HMI, SCADA & AC DRIVES from June 13 – 17, 2016 by Electrical Engg. Deptt.
6. STTP on Recent Development in Fluid Mechanics and Hydraulics from July 18 – 22, 2016 by Civil Engg. Deptt.
7. Two days seminar on "Social Responsibility of Engineering Institutions" from July 21-22, 2016 by Humanities Department
8. Workshop on "Research and Publication" from July 25–30, 2016 by Humanities Department
9. One day seminar on "just a wprd... plastics. Great today and fantastic tomorrow" on sep. 9, 2016 by Applied Chemistry and Polymer Technology

Equity Actions: Strengthening Academics/ Education

1. Ms. Nikita Gupta (Ph.D Scholar) has presenting the paper in International Conference on Intelligent Communication, Control and Devices-2016 at Dehradun during April 2-3, 2016 from Electrical Engineering Department.
2. Lectures series in the area of RF and Microwave Technology for M. Tech student during April 6–11, 2016 by Electronics & Communication Engineering Department.
3. Finishing lectures by Prof. Budd Hall on April 14, 2016 (Half day) by Humanities Department.
4. Finishing lecture on **"Enhancing Entrepreneurship Skills among Engineering students"** 14.04.2016 (Half day) by Humanities Department
5. Ms. Jaya Gautam, M. Tech student has presented the paper in International Conference on "Springer Advances in Intelligent Systems and Computing Series" at Bangalore during April 8-9, 2016.
6. Ms. Priyadarshani, M. Tech student of ECE Deptt. has presented the paper in IEEE International Conference on "Computing Communication and Automation" (ICCCA 2016) at Galgotia University, Greater Noida, UP during April 29-30, 2016.
7. Ms. Devika Singh, M.Tech student of CSE Deptt. has presented the paper in IEEE International Conference on "Computing Communication and Automation" (ICCCA 2016) at Galgotia University, Greater Noida, UP during April 29-30, 2016
8. Ms. Jigyasa Grover, B. Tech student of CSE Deptt. has selected for Research Mobility Programme with Mitacs, Canada for summer 2016 duration is 12 weeks.
9. Mr. Parvesh Ali (Ph.D. scholar, MED) has presented the paper in International Conference on "Advancements in Aeromechanical Materials for Manufacturing" (ICAAMM-2016) at Hyderabad, Telangana during July 7 – 9, 2016
10. Mr. Tanmay Mishra, M. Tech student of EE Deptt. has presented the paper in International Conference on "Power

Electronics, Intelligent Control and Energy System" (ICPEICES 2016) at Delhi Technological University during July 4 – 6, 2016.

11. Mr. Saurabh Gupta, M. Tech student of EE Deptt. has presented the paper in International Conference on "Power Electronics, Intelligent Control and Energy System" (ICPEICES 2016) at Delhi Technological University during July 4 – 6, 2016.
12. Mr. Prakash Chittora (Ph.D. scholar, EED) has presented the paper in International Conference on "Power Electronics, Intelligent Control and Energy System" (ICPEICES 2016) at Delhi Technological University during July 4 – 6, 2016.
13. Ms. Kirti Bagla, M. Tech student of EE Deptt. has presented the paper in International Conference on "Power Electronics, Intelligent Control and Energy System" (ICPEICES 2016) at Delhi Technological University during July 4 – 6, 2016.

The following Equity Actions: Strengthening Academics/Education is under process:

1. Special Guest Lectures for M.Tech 3rd semester for academically weaker students in Electronics & Communication Engineering Department.
2. Remedial classes shall organize for academically weaker students in the various subjects during the even semester 2016 in Applied Mathematics Department.
3. Two Finishing lectures on **"Technological Innovation & Human Rights"** and **"Engineering Education for Sustainable Development Goal"** on 23.08.2016, 28.09.2016 respectively by Humanities Department.
4. Presented the paper in International Conference on "Power Electronics, Intelligent Control and Energy System" (ICPEICES 2016) at Delhi Technological University during July 4 – 6, 2016 by Mr. Manoj Kumar, Mr. Avinash, Mr. Ambrish Devanshu, Mr. Rishabh Jain, Ms. Kshitijaa Ranjan and Mr. Ajishek Raj who are students of B.Tech & M.Tech, EED for Ex-post facto approval.
5. Presented the paper in 2nd International Conference on "Advances in Management & Decision Sciences" at School of Management, Gautam Buddha University, Greater Noida during July 16 & 17, 2016 by Mr. Deepak Kumar who is a student of M.Tech, MED for Ex-post facto approval.
6. Presenting the paper in "India International Conference on Information Processing (IICIP-2016) at DTU during August 12 – 14, 2016 by Mr. Prince Garg, M.Tech student of ECE Deptt.

Trainings and Development

1. The Residential Training Programme on "Project Management & Strategic Financial Planning" has attended by Shri Sanjeev Sharma & Shri Manoj Kumar at Gangtok, Sikkim during May 02-06, 2016.
2. The Residential Training Programme on "Effective Office Administration & Financial Management" has attended by Prof. Vishal Verma and Shri Nand Kishore at Leh, Ladakh, during June 6-10, 2016.
3. A training programme on 'Uncertainty, Complexity and Risk in Projects' has attended by Prof. S.K. Garg at IIM Ahmadabad during April 25-28, 2016.
4. A course on "Nonlinear Control System Design" has attended by Shri Sudarshan

Kumar Babu Valluru at Indian Institute of Space Science and Technology (IISST), Thiruvanthapuram, Kerala during June 20 to 24, 2016.

5. A Residential Training Programme on "Productivity & Competitiveness Measurement for Organizational Excellence" has attended by Shri Anil Kumar and Prof. D. Kumar at Puri, Odisha during July 25 – 29, 2016.
6. "Management Capacity Enhancement Programs" at IIM Trichy (Chennai Campus), July 25 to 29, 2016 by Shri P.V. Ram Kumar and Shri Vijay Gautam.
7. "Management Capacity Enhancement Programs" at IIM Raipur, July 25 to 30, 2016 by Dr. Girish Kumar.

The following Trainings and Development programs is under process:

1. A Communication and Soft Skill Training proposed by Dr. M.M. Tripathi for all students of DTU
2. Establishment of "Advanced Embedded Systems Laboratory" for strengthening student's skills by Dr. M.M. Tripathi
3. Establishment of "SPSS and Language Lab" by Dr. Seema Singh, Humanities Department
4. Management Capacity Enhancement Program at IIM Indore from August 23 – 29, 2016
5. A Residential Training Programme on "Project Financing & Strategic Financial Management" at Goa from September 26 – 30, 2016

Reports Submission and Participation

1. Good Governance Self Review for DTU has been submitted
2. Financial Management Report has been successfully submitted till July, 2016
3. Action Plan has been submitted on 10 plan indicators
4. Financial plan from July, 2014 to October, 2016 also submitted
5. Disclosure Management and Analysis of weak student report has been submitted
6. DTU has also signed MoU with IIT Delhi in collaboration with NPIU
7. DTU participated in Online Web Based Satisfaction Survey for Students, Faculty, Technical Staff
8. DTU has also submitted 12 Performance Assessment Indicators.
9. The Financial Management Indicators Report for the F.Y. 2014-2015 (01/04/2014 to 30/09/2014, 01/10/2014 to 31/03/2015) and F.Y. 2015-2016 (01/04/2015 to 30/09/2015, 01/10/2015 to 31/03/2016) has been successfully submitted
10. Budget Provision of State for F.Y. 2016-17 for the requirement of fund has been sent to NPIU/SPFU in June, 2016
11. The Provisional Utilization Certificate for the F.Y. 2013-2014, 2014-2015 & 2015-16 has been successfully submitted
12. Quarterly e-Financial Monitoring Report for the F.Y. 2014-2015 (01.04.2014 to 30.09.2014, 01.10.2014 to 31.12.2014 and 01.01.2015 to 31.03.2015) and F.Y.2015-2016 (01.04.2015 to 30.06.2015, 01.07.2015 to 30.09.2015, 01.10.2015 to 31.12.2015, 01.01.2016 to 31.03.2016) and F.Y. 2016-2017 (01.04.2016 to 30.06.2016) has been submitted electronically i.e. through the e-FMR software

Procurement

The following procurement has been done are as under:

1. Programmable Grid-tie Source-Sink Bidirectional Power Supply in simulation lab
2. Purchase of Digital pendulum Control System and Twin Rotor MIMO System in Control System Lab of the Electrical Engg Deptt.
3. Purchase of "E-Books Pearson Think Tank Custom Collection" in Library, DTU
4. Purchase of BS 5 Modules on DVD-ROM

The following procurements are committed:

1. High Voltage Impulse Generator
2. Helicopter Model
3. Ball & Plate models
4. Magnetic Levitation
5. Minor Items for Electrical Engg.
6. DGPS System (Quantity -2 No.)
7. Spectrum Analyzer (Quantity -2)
8. Stereo Camera
9. PTZ Network Camera
10. Kinectic Cameras
11. MATROX Imaging
12. Electrical work in Simulation Lab
13. Civil works in Simulation Lab of EED

The following procurements are under process:

1. CNC Machine Centre
2. CNC Lathe Trainer
3. Super Critical Transestification Reactor
4. Clean Energy Trainer
5. Totally Computer Controlled Rock Triaxial Testing System (axial loading as well as cell pressure computer controlled)
6. Multi-Channel Anaysis of Surface Waves
7. Axial Loading Machine (Compression Machine), auto pacing with stress and strain control facility, Capacity-3000kN
8. Core Drilling Machine for Civil Deptt.
9. Three gang bench type consolidation meter
10. Standard Penetration Test Equipment
11. Hydraulic Jack for Civil Deptt.
12. Minor Items for Civil Desiccators
13. Ball & Beam and Coupled Tank
14. GPS-Aided Interial Navigation System
15. Ball & Hoop and
16. Houillon Capillary Cisco meter
17. Flammability Test Apparatus
18. DAQ for E & C Deptt.
19. Construction of Prefabricate Porta Cabin Structure on 3rd Floor in EED
20. Robot Items for E & C Deptt.
21. Microsoft Kinet Sensors
22. Grid Simulator
23. Table Top and CNC
24. Hydraulic Press with 100 capacity (50 Ton Ram + 50 Ton Blank holder capacity), MED
25. Flammability Test Apparatus, MED
26. Cold Flow Property Analyzer, MED
27. Houillon Capillary Cisco meter, MED
28. Programmable Grid-tie Source-Sink Bidirectional Power Supply, EED
29. Impulse Generator and Computerized CTU testing Rig, EED

30. Control Study Station, Computer control & data Acquisition, Magnetic Levitation and Accessories, EED
31. PV and Battery Emulator Software Compatible with Regatron make bidirectional power supply for conducting experiments & Research work in Simulation Lab

Miscellaneous

1. The Procurement Committee for TEQIP-II Project has been formed.
2. Guidelines for International Conference have been finalised by TEQIP–II Project, Coordinator (Prof. Naveen Kumar), Dean IRD (Prof. A.Trivedi), Dean(IC) and Prof. Rajiv Kapoor, HOD (E&C & Comp. Engg.).
3. Attending workshop on "Medical Imaging-Techniques & Image Processing Workshop 2016, at IIT Delhi during March 25-27, 2016 by Shri Mahipal Singh & Shri Rajesh Birok in Electrical & Communications Engineering Department (without any financial support from TEQIP-II Fund).
4. Attending workshop on "Medical Imaging-Techniques & Image Processing Workshop 2016, at IIT Delhi during March 25-27, 2016 by Dr. L.N. Das in Applied Mathematics Deptt. (without any financial support from TEQIP-II Fund).
5. Appointment of Prof. A.K. Gupta, Head, Environmental Engineering Department as Coordinator, TEQIP-II Project in place of Prof. Naveen Kumar w.e.f. 25.05.2016.
6. Appointment of Shri Nand Kishor, DR (F&A), DTU as Nodal Officer, Finance, TEQIP-II Project w.e.f 01.01.2016.

7.4 MoU Details

Delhi Technological University is having memorandum of understanding with following institution and universities as listed below:

S. No.	MoU
1	Intel Laboratory
2	INMAS
3	Harare institute of Technology
4	Samsung Laboratory India
5	National University of Singapore
6	National Physical Laboratory (NPL)
7	School of Business and Engineering Vaud (University of Applied Science Western Switzerland)
8	St. Microelectronics Pvt Ltd
9	CNU, Korea
10	UT and FICCI
11	Intel
12	Texas instruments
13	Freescale

S. No.	MoU
14	St. Micro Electronics
15	Mentor Graphics
16	Hitech Robotics
17	Enseeiht (University of France)
18	invidia
19	University of South Florida
20	Chaoyang University of Technology

8. Student Amenities and Facilities

8.1 Students Welfare Societies

1. CULTURAL COUNCIL

ENGIFEST 2017: The Engifest 2017 with the theme "Infinity" was held from 18-20thFebruary. The 3 day fest had a plethora of activities ranging from electrifying dance performances to heart wrenching drama. True to its spirits, Engifest 2017 provided a platform to students from all over India to discover theirpassion and showcase their talent.

Participation of DTU Students in cultural fest at IIT Kanpur: Students from DTU participate in a large number at Antaragini 2016 at IIT Kanpur from 20/10/16 to 23/10/16. In 2016, about 80 students from Vibe (Dance Society), Pratibimb (Dramatic Society) and Sahitya (Literary Society) participated in Antaragini. Ritwik Awasthi, Akshat Sharma and Parth Goel from Sahitya won 2nd position in Parliamentary Debate. Jayansh Gupta and Rajat Chugh secured 1st and 2nd position in JAM (Just a Minute) respectively.

Freshers' Night 2016: The Freshers' Night for the 2016 batch was on 6 October 2016 at DTU.

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Dandiya Night: The Dandiya Night is an event that has been organized within DTU for the past couple of years. This time around it was organized as part of the Fresher's Week festivities to celebrate the auspicious Navratri Festival.

2. LITERARY COUNCIL

ENTREPRENEURSHIP SUMMIT'17: The event was organized by E-cell DTU, Entrepreneurship Summit from 24 -26 Feb. 2017 which is the Entrepreneurial Carnival/ Fest that brings in visionary students,path – leading professionals and trendsetters together to exchange ingenious and enterprising ideas.Every year E-summit greets aspiring entrepreneurs from various colleges to aseries of informative and interactive speaker sessions, workshops,

fun andinnovative competitions that aims to foster a wave of entrepreneurship and let them dwell deep in the challenging yet exciting world of the startup realm.

The E-Summit'17 consisted of the following events-

1. Leadership Lecture Series
2. Blueprints –The B Plan Competition
3. Workshop Series
4. Startup Internship Fair

FORTITUDE 2017 (Quiz Fest)

Delhi-42 organized the second edition of Fortitude, the quizzing festival from February 24, 2017 to February 26, 2017. It saw participation from over 250 teams from all over Delhi, NCR and Punjab including teams comprising of school students. The quiz fest consisted of five main quizzes, along with three filler/ written quizzes.

Delhi-42 gave Rs. 15,000 per main quiz and Rs. 3000 per filler quiz as award prize money. List of the quizzes held:

1. FLAME (Food, Literature, Art, Music, Entertainment) Quiz; Sports Filler Quiz; Myths, Occult, Macabre Filler Quiz
2. Business Quiz; General Quiz
3. SciTechNature (Science, Technology and Nature) Quiz; Travel and Living Filler

Quiz; India Quiz

The response to the fest was overwhelmingly positive, and the content and management of the fest by Delhi-42 was widely lauded by participants from bothDTU as well as the Delhi Quizzing Circuit. The approximate footfall for the quiz festwas over 700 people. Students from Delhi, Gurgaon, Noida, Punjab and other placescame in to attend the quiz fest.

Yuvaan 2017: Yuvaan'17 two day event from20/01/17 to 21/01/17 was inaugurated by our Hon'ble Vice Chancellor, Prof. Yogesh Singh with Kavi Sammelan . On January 20, speakers like Maj. Gen. G.D. Bakshi, Mrs. Sunetra Chaudhary from NDTV, and Talish Ray, an eminent Lawyer interacted with our students and those from Delhi/NCR colleges about importance of Literature, true journalism and cultural integration. Informals were conducted by the startup from DTU, Litwit and Formal competitions included Poetry Slam, Ankahe Alfaaz-Creative Writing, Word War- A debating competition, Ad-Mad, Lit-Quiz and a gathering by the famous poetry group in Delhi, The Poets' Collective. On 21st January there was a speech by Maj. Gaurav Arya, and an interactive session on need of honest journalism by the eminent News Anchor, Mr. RohitSardana and tips on how to improve food-blogging by Mr. Gurpreet Singh Tikku, a famous food blogger from Delhi. The Valedictory ceremony was held on the 21st evening.

3. TECHNICAL COUNCIL

TECHFEST 2017: The Techfest 2017 was conducted from 10/02/17 to 12/02/17 to achieve a confluence of knowledge, innovation and nurture the technical abilities and skills of students. Various events held during the Techfest by various societies were

1. Asymptotes 2017 by MACS,DTU
2. AURORA 2017 by the Department of Applied Physics
3. EXCELSIOR by SR-DTU
4. Troika by IEEE DTU
5. RENAISSANCE by IET DTU Student Chapter
6. TRYST by IGTS DTU
7. KARYON'17organized by Department of Biotechnology

INDIAN KARTING CHAMPIONSHIP: Team Inferno participated in Indian Karting Championship Season 1 in January of 2017.The competition was organized in Pune. A total of 20 membersrepresented the team in the competition.

Though the rules and regulations of the competition resembledwith other competitions but it was comparatively morecompetitive in terms of fellow competitorsandtheracetrackconditions. The team reached the semi-finals in the competition.

ASME HPVC ASIA-PACIFIC 2017: Team Raftaar, DTU participated in the HPVC event of ASME E-FestAsia-Pacific 2017 from 3-5 March, 2017 at LNMIIT Jaipur.

The event saw the participation of more than 50 teams from the country, The teams participated in the Design and Innovation event on the first day testing our on paper strength in theform of mechanical precision and the strides made in the form of innovation. The Male and Female drag races followed on the second day, and the Endurance race to conclude the event to test the blend of speed and robustness.

Team Raftaar emerged as the Overall Champions of the event and were also placed first in the Design event and the Drag races for both the male and the female categories.

TechKriti 2017 – IIT Kanpur Techfest: At StrataZenith, TechKriti 2017 a team of 5 students from IGTS-DTU went to conduct the event at IIT-Kanpur from 03/03/17 to 05/03/17.The event saw a participation of more than 100+ students and winners were given cash prizesand goodies by the Techfest team. The games were played with different modifications to note the playing behavior. The results were recorded and confirmed the theory of theAcademic Team.

FORMULA STUDENT UK (FSUK) 2017: Team Defianz Racing (Formula Student team of Delhi TechnologicalUniversity) participated in Formula Student UK at the Silverstone Circuitin the month from 20/07/17 to 23/07/17. The Competition saw participation from 130 teams. The team was ranked the best Asian Team at the competition for the second year in a row, with an overall 33 rd position.

4. NATIONAL SERVICE SCHEME(NSS)

BLOOD DONATION CAMP: In collaboration with BloodConnect, NSS DTU organised a blood donation camp on 1st February2017. The camp wasestablished by Hindu Rao hospital, New Delhi, at the Civil Convocation hall, DTU campus.

“JOY OF GIVING” WEEK: NSS DTU organised the “Joy of Giving” week from 3rd to 8th October 2016, wherein books and clothes were donated by the university students. More than a thousand books were collectedwhich were put in a solar library in the village where NSS DTU had set up a rural camp in October’16. The rest of the stuff was either donated in the residents of the same village or was used in other NSSprograms.

SWACHH BHARAT ABHIYAN: On 27th October, 2016 NSS DTU volunteers inspired by Swachch Bharat Abhiyan set out to clean the surroundings in the campu and several parks around Rohini Sector

16. Volunteers also installed dustbins in these parks and near vendor stalls where heaps of garbage were present to encourage sustainable cleanliness in the area.

SHIKSHA PROJECT: Shiksha project was initiated in January 2017 to link DTU students, capable of teaching, to students belonging to a less proficient background. Volunteers took regular classes for the students from Government schools selected for the program. The program was also running in the summer break. Students are also given practical knowledge through biology experiments conducted in DTU labs. A PTM was organised on22nd April'17, Saturday for parents of the students selected on the basis of the aptitude test.

"VOICE OF ANIMALS" Initiative: A short movie screening followed by an interactive session was organised in collaboration with doctors from Sanjay Gandhi Animal Care Centre on 20th March, 2017 to initiative to provide permanent shelter, food facilities and medication to the sick, wounded and abandoned animals inside DTU campus. Mrs. Ambika Shukla, famous animal right activist shared facts and figures regarding our responsibilities in protecting environment, especially animal kingdom.

5. SPORTS COUNCIL

BITS-PILANI Open Sports Meet: On invitationby BITS Pilani, around 100 students from DTU went to participate in their in their sports fest BOSM from 15th -19th September 2016. DTU's Lawn Tennis Girls Team bagged the bronze under captaincy of Poorva Shrivastava.

AAHVAAN 2017: Aahvaan 2017 was organised from 23 rd -26th of March 2017. It saw participation of over 700 sportspersons. A sports talk was held during the fest, featuring Sheetal Mahajan (sky diver), Naveen Gulia (Paralympicsachiever) and Rajesh Chauhan(former hockey player), the lesser known stars of India. AAHVAAN took up the issue of discrimination against North-East Indians Performances by the band Local Train, Qawwali Night with the NizamiBandhu, Dastak-street plays by different colleges, Colour Run and other events were held.

6. OTHER ACHIEVEMENTS

FORTUNE 2017: The Accounting Skills and Stock Exchange Training Society (ASSETS) of DTU organised Fortune'17 as its annual financial and economic fiesta, on 28th March this year. Various competitions like Mock-Stocks, Quiz and Case Study presentation was held and guest lecture by the Mr. Varun Malhotra, the director of EIFS Pvt. Ltd.

TEDxDTU 2017: TEDxDTU 2017 was held on18/03/17 that focuses on spreading new and brilliantideas through the words of some of the greatest visionaries, innovators, problemsolvers and connectors of the 21st Century. There theme was "BECAUSE GREY MATTERS"

Some of the speakers were Laxmi Agarwal, Ms. Monica Dogra, Mr. MadhavGadgil, Sukant Khurana, Onkar Khullar and Arnyani Bhargav.

7. EDUCATIONAL/INDUSTRAIL TRIPS

1. Students from the Department of Biotechnology went to Gangtok from 13/03/17 to 20/03/2017.
2. Students from the Department of Applied Physics went to Dehradun from 14/04/17 to 21/04/2017.
3. Students from the Department of Mechanical Engineering went to Rudrapur, Uttarakh and from 29/05/17 to 01/06/17.
4. Students from the Department of Applied Mathematics went to Nainital from 23/06/17 to 26/06/17.

8.2 National Service Scheme (NSS)

NSS DTU is the Delhi Technological University chapter of the National Service Scheme, institutionalized under the Ministry of Youth Affairs & Sports Govt. of India. It was inaugurated on 13th February 2013 to establish a meaningful linkage between the campus and the community.NSS DTU upholds the need for selfless service and appreciation of the other person's point of view and also to show consideration for fellow human beings. It underlines that the welfare of an individual is ultimately dependent on the welfare of society on the whole. NSS-DTU is mentored and headed by faculty advisor, Dr. Naokant Deo. The enthusiastic student volunteers form an integral part of the NSS team whose relentless contribution and dedication make each event successful. Following is the brief of major activities carried out by NSS DTU during 2016-17: The overall aim of NSS-DTU is to give an extended dimension to the higher education system and orient the students towards community service while they are studying in the institution, more precisely, to establish a meaningful linkage between the campus and the community so that their interaction with the common villagers and slum dwellers will expose the students to the harsh realities of poverty-stricken life and bring about a change in their social perception.

THE TEAM OF NSS-DTU
2016-17

(Dedicated to the service of the Nation)

NSS DTU Council

Faculty Advisor: Dr. Naokant Deo

Student body: Ashna Rathour, Abhishek Gupta, Saumya Gaur, AnukritiSahni, Tanya Jain, SabhyeSinghal, Jagmohan, Nikhil Garg, Vishant, Mohit Sharma, Sonali, Chandan, Kushang, Jaya

Events Organised during 2016-17

Abhilasha-Celebration Ambitions, a seminar on women empowerment and legal awareness, was organised on October 25, 2017 with NSS DTU at its helm. The event commenced with the enlightening and inspiring words of Advocate Nupur Sharma, who's also the Official Spokesperson of Delhi's BJP unit. The second speaker was Mrs.Laxmi Agarwal, an acid attack survivor and activist whose story sent chills down the spines of everybody and heart warming words left everyone numb.The event was adorned by performances from Nrityangana and Madhurima. NSS DTU holds high gratitude towards them for their efforts in helping it become a success.

Seminar on Depression

NSS-DTU conducted a seminar on "Depression and how to deal with it" on September 13, 2017 wherein students were made to have a rendezvous with the enormity, effects and solutions for the societal evil of Depression. It was an interactive session in which students' queries were duly answered. Dr. Shyamanand Roy of the Psychiatry Department, AIIMS and the Honourable Pro Vice Chancellor, Prof.. Anu Lather spoke on the issue.

AdoloscentAwarenessProgramme

A team of three volunteers from NSS-DTU conducted a 5 hour-long session on 'Menstrual Health' under its Adolescent Awareness Programme Unit at Sarvodaya Kanya Vidyalaya , Sector 16 on January 28, 2017. The aim of the programme was to help adolescent girls understand the physical and psychological changes which they undergo during this period and the scientific reasons behind the changes. The session included speeches, presentations and a few videos related to menstrual health, maintainence of hygiene and other health related risks. The talk session was followed by a quiz competition. Towards the end of the programme, our volunteers conducted a doubt session for the students of the school.

Blood Donation Camp

NSS DTU feels proud to declare the success of the Blood Donation Camp that

was organised in collaboration with Blood Connect in February 2017 at the Civil Convocation hall. A team of doctors from the Hindu Rao Hospital established the camp for the blood donations from 10 AM to 4 PM on Wednesday. The camp received a total of 206 successful donations from DTU students.

NSS DTU expresses its gratitude for the same.

Datri Blood Stem Cell Donors Registry

NSS-DTU in collaboration with DATRI Blood Stem Cell Donors Registry put up a stall near Amul today to collect the Blood Stem Cells of potential Blood Donors. We collected Blood Stem Cells of many people.

Joy of Giving Week

NSS DTU organised the 'Joy of Giving' week from 9th to 13th October'17, wherein books and clothes were donated by the university students quite wholeheartedly. The books will be used to put up a solar library in the village where NSS DTU will be setting up a camp in December. The rest of the stuff will be donated to the residents of the same village. NSS DTU is highly grateful to, and appreciative of, those donors who displayed a good deal of altruism making it a successful venture. NSS DTU also congratulates all the volunteers who were the reason behind the smooth organisation and proper procurement of the donations.

Kalam Ko Salam

It has been three semesters since the commencement of NSS DTU'a flagship program, Kalamko Salam. The program is in accordance with the vision of Dr.Kalam and aims to add positivity in the lives of underprivileged children. The volunteers of NSS DTU have been interacting with the children of Shubhakshika Open Shelter to help them build a scientific thinking through fun and learning activities and games. In order to generate and maintain the interest of the children, various experiments are being set up by the student volunteers to teach them Science. Besides this, the children have also been taught Maths and Origami activities. The student volunteers have thus incorporated novel methods in their teaching methodology to intrigue the curiosity of the children. With its long borne mission to spread happiness among those long been deprived of it, the volunteers of NSS-DTU under the project KalamKo Salaam, visited Subhakshika open shelter. They involved the students at the shelter in some fun and interesting pre Diwali activities. This was done in view of the fact that not only studies, but extra curricular activities also play a vital role in a child's personality development.

Recycle Today

In April 2017, our dedicated volunteers collected old practical notebooks, training diaries and mid-semester answer sheets from various departments in the university. This was done under our initiative 'Recycle Today' which we started in collaboration with JAAGRUTI after realising the large amount of paper waste generated in the university each year. JAAGRUTI, a waste paper recycling agency will provide us notebooks made from the recycled paper. NSS will donate these notebooks to the poor and needy children.

The continuous and dedicated efforts of the volunteers bore fruit in the form of amassing of approximately 2.8 tons of waste paper. This waste paper was transferred to the Waste paper recycling agency Jaagruti, which in turn provided NSS DTU with recycled paper made into about 1900 notebooks. These notebooks will be distributed to the needy students in the next phase of the project.

Rally for Rivers

Due to the increasing population and development, India's perennial rivers are becoming seasonal. Flood as well as drought are becoming increasingly frequent, as rivers turn unruly during the monsoon, and vanish once the rainy season is over. NSS DTU in collaboration with Isha Foundation organised 'Rally for Rivers, India's Lifeline' on 8th September, 2017 at Amul. Students wrote down message in support of the cause and pledged to do their bit to save rivers.

Saksham Campaign

NSS DTU began the 'Saksham' campaign on the 20th of April. The campaign involves bringing small business, public service establishments and public conveniences to Google maps making, them easier for the general public to find. The initiative would also give the small business owners more visibility, thereby increasing their income. A team of 8 volunteers went to the neighbouring section areas of college and included more than 20 previously unmapped locations on Google maps, including a Woman and Child Care Centre, TB Dots Centre and 15 small businesses.

Youth for Seva

The NGO Youth For Seva organized a competition named "Navoudit" at the Jadonang Hostel, Narela a home to the children from tribal areas of North East in January 2017. It is a noble attempt to give these underprivileged children an opportunity to showcase their talent. NSS-DTU Volunteers visited the hostel and witnessed exceptional talent among these children at singing, dancing, painting and sports. NSS DTU appreciates this initiative by Youth For Seva in their attempt to help these underprivileged children rediscover themselves.

Walk for Water

On 22nd March, 2017 Shuddhi NGO and Walk for Water organized a walkathon in partnership with Ministry of Youth Affairs and Sports at India Gate, New Delhi to celebrate World Water Day. The event witnessed Mr. Vijay Goel, the Minister of Youth Affairs as its chief guest. More than hundred people marched from India Gate to Maan Singh Marg, carrying posters and slogans to make people aware about water conservation.

Around 20 NSS DTU students took part in this Walkathon as both volunteers and participants. Towards the end of the event, Mr. Vijay Goel addressed the participants and discussed

the importance of water conservation and different ways to achieve it. The crowd then pledged to save water and make judicious use of the resource.

Voice of Animals

NSS DTU has taken up the initiative to provide permanent shelter, food facilities and medication to the sick, wounded and abandoned animals inside DTU campus. To enlighten all the students on the issue of animal behaviour, we have scheduled an orientation and a short movie screening followed by an interactive session organised in collaboration with doctors from Sanjay Gandhi Animal Care Centre on 20th March, 2017.

On 20th March 2017, volunteers of NSS DTU had an interactive session in collaboration with Sanjay Gandhi Animal Care Centre. Mrs. AmbikaShukla, famous animal right activist shared eye-opening facts and figures, and enlightened us regarding our responsibilities in protecting environment, especially animal kingdom. She encouraged students to adopt a stray animal each, and to practise vegetarianism. NSS DTU thanks for her time and plans to execute more events in this regard to have lasting effect by providing safety, food, shelter and medication to dogs and other animals in the university campus.

The movie, Hachiko: A Dog's Tale, was screened in the BR Ambedkar Auditorium, in April along with an interactive session, where animal lovers shared their experiences regarding their fight for Animal rights. In April, a team of 16 NSS DTU volunteers visited Sanjay Gandhi Animal Care Centre in Raja Garden as a part of the Voice of Animals Initiative. The centre is India's oldest and Delhi's largest all-around animal shelter. The volunteers engaged with the animals by conducting activities such as feeding hens, parrots, cows, and buffaloes. They helped the caretakers in cleaning the hutch, pen, and coops. The cats and dogs were visibly delighted to have playmates for the day and were very energetic throughout the day. The visit taught the volunteers the importance of cooperation and strengthened their resolve to protect, care and love animals.

On 4th September, during afternoon, a group of myna birds flew into the canteen and an unfortunate incident took place. One of them got caught in the fan and chaos spread all over. As the bird had lost a wing and was bleeding badly, few NSS volunteers witnessing this immediately shared the message with NSS Voice of Animals. Within minutes, NSS VOA members arrived and took the injured bird to Sanjay Gandhi animal Care Center, Rajouri. Within less than an hour, the bird was treated. Unfortunately the bird won't be able to fly again, but her life was saved. It was finally handed over to the center authorities where it would be taken care of.

Orientation of Nss Dtu

NSS-DTU extended its warm and hearty welcome to the freshers by it's orientation organised on the 25th of August, 2017, at the BR Ambedkar Auditorium. Focusing on their main events, all the attendees were brought to speed with all that this society had achieved. With Dr.NaokantDeo (Chairman, NSS-DTU) sharing some inspiring words, the society hopes to achieve much more in the long run. NSS-DTU extends its heartfelt gratitude to all the attendees.□□□□

Interactive Session with Chetana NGO

NSS DTU organized a workshop in collaboration with Chetana NGO to train its volunteers to deal with the teenagers sensitively and conduct workshops across Govt. schools in Delhi. 2 volunteers from Chetana led the 60 minute workshop in the Exposition Hall on 26th April. It was an interactive session which consisted of showing presentations on problems surrounding adolescence, menstrual hygiene, and on proper selection of sanitary napkins. The attendees learnt how to make the school students comfortable and positive about the topic of the workshop by conducting fun events like Energiser and 'BejijhakBaatein'. The session also included a demonstration of locally made sanitary napkins which is the so-called-branded ones available in the market. The session concluded with a Q&A round where everyone was free to ask queries regarding the workshop. This will prove to be very informative and crucial for all the upcoming teenage awareness campaigns conducted by volunteers of NSS DTU.

Visit to Biodiversity Park

On 21st January 2017, volunteers from NSS DTU visited the Yamuna Biodiversity Park in Delhi. The visit focused on a study of the effects of humans on flora and fauna. The park, which is home to biologically rich wetlands, grassland communities and an abundance of medicinal herbs, comprises of native flora and fauna which existed 100 years ago and subsequently became extinct, locally. It acts as a natural conservation site for specific group of endangered plants. A detailed tour of the park was conducted by the Biodiversity Park Authorities. The visit was fruitful, especially for the volunteers, who were further sensitised on the need for conserving the environment

Celebrating Diwali

NSS DTU celebrated the festive season with students of Govt. Sr. Sec. School, Sector 16, Rohini and children of Emmanuel Seva Group. Thus this Diwali, the atmosphere was filled with instances of laughter, generosity, and happiness. NSS DTU organized a Green Diwali Awareness Drive on October 13th. A group of NSS volunteers visited Govt. Sr. Sec. School, Sector 16, Rohini and interacted with the students of class 6th, 7th and 8th and urged them not to burst crackers and shift to other alternatives this Diwali. The Students pledged that they will not burst crackers. The volunteers presented their ideas to the students through a Skit, a set of activities and a presentation. They even taught the students to make some decorative hangings using Origami. The school appreciated the volunteers for their

drive. A group of 20 NSS Volunteers visited Emmanuel Seva Group, Dilshad Garden on October 18th to celebrate Diwali with the children of the shelter. Emmanuel Seva Group is an open shelter which is home to 35 children from nearby slum areas. The volunteers conducted various interactive activities like Musical Chairs, Stapoo, Passing the Parcel, etc. with the children. They even held a drawing competition on the spot. NSS DTU also gifted them stationery, chocolates and decorative items and thus celebrated Diwali with them.

8.3 Cultural Council

ENGIFEST 2017

The much awaited Engifest 2017 with the theme "Infinity" was held on 18-20th February. As our vision was to make it bigger than it ever was, preparations were started from November only. The three day fest was a plethora of activities ranging from electrifying to dance performances to heart wrenching drama. True to its spirits, Engifest 2017 provided a platform to students from all over India to discover their passion and showcase their talent.

List of Events:

1. Inauguration Ceremony
2. Balladeers and Vocalicious - Musical Events
3. Spandan - Solo Dance Competition
4. Drishtikaun- Literary Event
5. Campus Princess
6. Shtuby Band performance
7. Sunidhi Chauhan Live Concert
8. Anushthan – The Classical Dance Competition
9. Paridhan – The Fashion Parade
10. Spandan – The Western Dance Competition
11. Piyush Mishra Live
12. EDM Night by Nucleya
13. Shake Down
14. Kaleidoscope by Parchhayi
15. Rock Night by Lagori Band
16. Stage Play
17. Street Play
18. STFU

Inauguration Ceremony

As per the tradition, Engifest 2017 kick started with an auspicious inauguration ceremony. It was presided over by honourable Vice Chancellor, Professor Yogesh Singh. Ever ready to inspire and motivate he did just that in his addressing speech. Raghubir Singh Bhola, renowned Indian hockey player and also a proud alumnus of Delhi Technological University graced the event by being the chief guest. The Cultural Secretary, Mr. Gunik Goel delivered an inspiring speech which kept the audience enthralling.

Day 1:

Do ReMiPa: A Musical Extravaganza

Music is a moral law. It gives soul to the universe, wings to the mind, flight to the imagination, and charm and gaiety to life and to everything. Madhurima, the music society of DTU along with the cultural council, conducted a 3 day long

musical saga where students thrilled the audience with their melodious voices. The extravaganza consisted of various musical events:

1. Vocalicious- Western solo singing competition
2. Balladeers - Western group singing competition
3. Vrind - Indian Group Singing
4. Engildol -Indian solo singing competition
5. Two's a show- Duet singing competition

Anusthaan: 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.

Syaahi - The Literary Fest

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.

The events under Syaahi were as follows-

1. Drishtikaun
2. The Mixed Bag
3. Kavyanjana
4. War of Words
5. JAM

Shtuby- Band performance

For the first time ever in the history of Engifest, the crowd got the chance to dance to the beats of an international band named Shtuby. Influenced by Funk, Jazz and Groove mixed with Electronic music, Shtuby is constantly active in the world of electronic music technology with a great passion to live instruments, thus was successful in creating a unique hypnotizing show.

Sunidhi Chauhan- Live Concert

Star Power- in its most tangible form. The musical sensation Sunidhi Chauhan graced the event, giving us an evening of start-studded splendour. It was the one of 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.

Day 2:

Spandan: The Western Dance Competition

Vibe, the western dance society of DTU in collaboration with ENGIFEST'17 organized the western dance competition: Spandan. Dance is the language of the soul and ENGIFEST'17 gave every soul a beautiful platform to express, a competetive environment for every dancer to showcase their talent. It consisted of two categories:

1. Solo dance competition
2. Western group dance competition.

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.

Shakedown:

In collaboration with Delhi Technological University, Souls of Speed organized Shakedown: one-of-a-kind roadshow, the fantastic enactment which left everyone absolutely enticed as daredevil stunts were pulled off with glib skill and sheer valour. It consisted of numerous racing events like Car Drag Racing Event, Super Bike Show, Car & Bike Stunts, Car show and Car Audio Event.

Campus Princess:

Campus Princess, a fashion event where the top 20 participants were shortlisted on the basis of their profiles, and walked the ramp to be shortlisted for subsequent rounds. With varied aspirations, passions and rock solid attitude, the contestants won everyone's heart.

Kaleidoscope Film Festival:

Kaleidoscope was the official film festival of Engifest, conducted by Parchhayi, the photography and film making society of DTU. Magnificent works of art in the form of short films were showcased and judged by prominent figures in the film industry.

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.

LAGORI – Band performance

Engifest'17 again presented LAGORI - one of the youngest talented groups of the country. LAGORI makes music that reflects the face of modern Indian youth and blends Indian classical melodies with rock music. An interesting combo of soulful energetic and catchy music, they truly took us on a euphoric ride. Intensity of enthusiasm of both, the band members and the crowd, was sky high that night. The crowd liked the band so much that the turnout was massive even on being called for the second time.

Day 3:
Natya: Stage Play

Pratibimb, the dramatics society of DTU, in collaboration with Engifest'17 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 the nation.

Switch the Funk Up

One of the most fanatical street dance event took place on the last day of the fest. Boogie Frantick, one of the known poppers from California USA was invited as a special judge for the event. Around 200 dancers across the country participated in the event and battled with each other.

Piyush Mishra Live

Engifest'17 witnessed a jampackked OAT to listen to the poetry sensation Piyush Mishra. The crowd was let awestruck as Piyush

Mishra recited heartwarming shayari. The event was graced by the presence of faculty members from the college.

EDM Night- Nucleya

Finally, the fest was concluded with the most awaited event- EDM night by Nucleya. Nucleya, an Indian DJ who got recognition worldwide and famous mainly for his beats and electronic music made 30,000 students dance to his beats. Engifest attained new heights by managing such a massive crowd and successfully fulfilling the expectations of all.

Freshers' Week 2016

The Freshers' Night for the 2016 batch was organised with much exuberance and enthusiasm on 6 October 2016.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, organised 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.

Dandiya Night

The Dandiya Night is an event that has been organised within DTU for the past couple of years. This time around it was organised as part of the Freshers' Week festivities to celebrate the auspicious Navratri Festival. The night means to inculcate a spirit of harmony and bonding within all the students of DTU, especially the freshers.

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. The night finally concluded at around 9 P.M., with everyone in high spirits and excitement for the Freshers' Night the next day.

Farewell Night 2016

For the seniors from Btech, Mtech and MBA, a Farewell week was organized. It was a fiesta devoted to the years spent in DTU to reminisce the joyous moments. The various events included 'Scribbling Day' where their special ones scribbled their affection on their t-shirts as a memory forever; 'Light it up' where wish lanterns flooded the campus of DTU; 'Prom night' a musical venture where the seniors danced their heart out with their beloved ones; 'DJ Night' where everyone danced along with full zeal for one last time and 'DTU Roast' which filled the auditorium with laughter and humor.

With this, the tenure for Cultural Council 2016-17 was concluded. All in all, we tried to give the best cultural environment to DTU.

8.4 Training and Placement

Head, T&P:

Dr. R. S. Walia, Associate Professor

TPO: 1, ATO and JOA: 3, Attendant: 3

INFRASTRUCTURE

Group Discussion Rooms:	**2**
Interview Rooms:	**4**
A/C Presentation Halls:	**1**
Office:	**1**
Head Office:	**1**
Placement Coordinator Room:	**1**
LED Projectors:	**1**
Interview Cabin:	**14**
Computer Center (for online tests):	**140 computers**

Marching from strength to strength Delhi College of Engineering, DCE is now "Delhi Technological University". The upgradation of DCE into a technical university provides the necessary academic and administration autonomy to empower DCE to march on the path of academic and research excellence, as also to accelerate the pace of innovations. With the mission of providing leading industries with the brightest minds of country DTU entered the 2016-17 placement seasons with confidence. To help all students at DTU in fulfilling their dreams and provide them ample opportunities to apply for their dream profiles and companies T&P beginsits placement season at the end of July for this academic year . In academic year 2016-17, a total of 268 organizations took part in campus placements and offered 1262 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 2017 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.

Core Engineering and Technology

The students of DTU continued to demonstrate a strong commitment to their core educational background in the choice of employment. Majority of students opted for science, engineering and technology oriented jobs, with the recruiting companies operating in various sectors of the economy. Some companies that visited campus are Maruti, Tata Motors, Schlumberger, Turner**,** L&T, Hyundai Samsung Engineering and R&D, Daimler, Philips, Royal Enfield and many more.

IT and IT Enabled Services

Over 98 leading IT firms, including several global leaders, visited DTU for campus placement 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 605 offers were made in the software firmsLike, Google, Amazon, Directi, Epic,Microsoft IDC, Flipkart, Adobe, Texas Instrument, Paytm, Sap Labs and many more.

Consulting

The well deserved reputation of superior analytical and reasoning skills of DTU graduates continued to draw recruiters from rapidly growing field of data analytics. There were 302 job offers from 79 organizations making it one of the biggest recruiters after engineering and information technology profile placements. The trend seen in the last two years seem to have taken strong roots at DTU. Some companies that visited are Barclays, Deloitte, Future First, ZS Associates, And EXL, UHG, KPMG, Tower Watson and many more.

Financial Services Sector

Continuing the trend of last few years, the finance sector was a major recruiter this year too. With many of the top global companies of this sector visiting DTU for campus placements, the sector saw a rush among the top-level as well as the mid- level companies to recruit the brightest and the best from the campus. A variety of profiles were opened up in the sector as these

companies have begun to appreciate the analytical and quantitative analysis acumen of the DTU students. Over 50 offers were made by financial services sector to DTU students. Companies like Yes Bank, Total Group, Café Coffee Day, Havells, and Saint Gobain visited campus.

Teaching

DTU has continued to provide faculty to several educational institutions and universities through campus placement over the past several years. Many post-graduate students have been offered jobs with public and private educational institutions through campus placement. The following educational institutes visited our campus Galgotia University, Vidyamandir Clases, Kshitiz Education, Aakash Institute.

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, Coca-Cola, Varun Beverages, Ernst & Young and many more.

Preparing All Rounders

This year a key focus of the Department of Training and Placement was to prepare the students for their placement. 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 refresher lectures on various technical subjects. 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.

Placement Training Session

Placement training sessions conducted by Department of Training and Placement, DTU were attended by more than 678 students which comprised of 15 sessions and included sessions on group discussions, mock interviews, case study, and resume writing. The sessions were addressed by faculty and many fourth year students who are currently placed at different companies.

KPMG: Six sigma green belt program in association with Harvey education conducted 4 days of program to teach students of Delhi school of management about six sigma programsand its implementation in existing Indian industry. Enlightening program was attended by management students to understand the application of managerial concepts in real life problem solving through industrial based cases. Event took place at Department of Management. KPMG knowledge resource person took the 4 days program followed by evaluation test of students. All the students earned the certificate of merit and now hold the green belt in six sigma program.

The successful student placement in 2016-2017 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. The year also saw several new organizations visiting DTU for the first time, and we look forward to fostering long-term relationship 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 as a preferred destination of students and industries.

The success of the placement endeavour 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 Office's Visit for Building Corporate Relationship

Directi – The Directi portfolio companies comprise of Radix, Ringo, Flock, Zeta and Codechef. Media.net, owned by Starbuster TMT Investments, leverages the Directi brand and culture for recruitment in its India offices. Directi also comprised of BigRock, ResellerClub, LogicBoxes and WebHosting.info which were sold to the Endurance International Group in a $160 million transaction in 2014. Across these businesses, Directi employs 1500+ people across 8 offices, with over 9 million customers, revenues of over $250 million and a group enterprise value of over $1.4 billion. People from the training and placement department met the CEO of Directi Mr. Bhavin Turakhia. The aim of the visit was – "to increase employability of students from DTU."

AMDOCS -Amdocs is a leading software & services provider to the world's most successful communications and media companies. Amdocs and its 25,000 employees serve customers in over 85 countries. Prof Mukhtiar Singh and Dr.Kapil Sharma were cordially invited to "FACULTY DEVELOPMENT PROGRAM" organized by AMDOCS at Pune to extend the corporate partnership with the institution.

ACCENTURE- A global professional services company, providing services and solutions in strategy, consulting, digital, technology and operations. The company's business is structured around five operating groups, which together comprise thirteen industry groups serving clients in major industries around the world, namely, Communications, Media & Technology, Financial Services, Health & Public Service, Products and Resources. Prof.R.S. Walia, Head , Training and Placement , attended the annual TPO meet organized by ACCENTURE to enhance a cordial relationship with them .

HCL, Noida-an Indian multinational IT services company, headquartered in Noida, Uttar Pradesh.With the vision of bridging the gap between the company and the leading institutes of the country, HCL organised a TPO meet which was attended by Prof. .R.S. Walia, Head, Training and Placement.

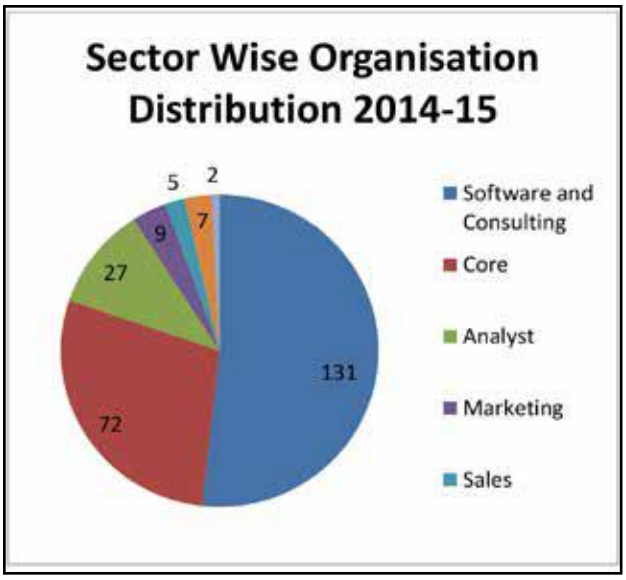
Some other companies visited by the training and placement department are Shri Ram Piston, Bechtel and Continental Engines and many more.

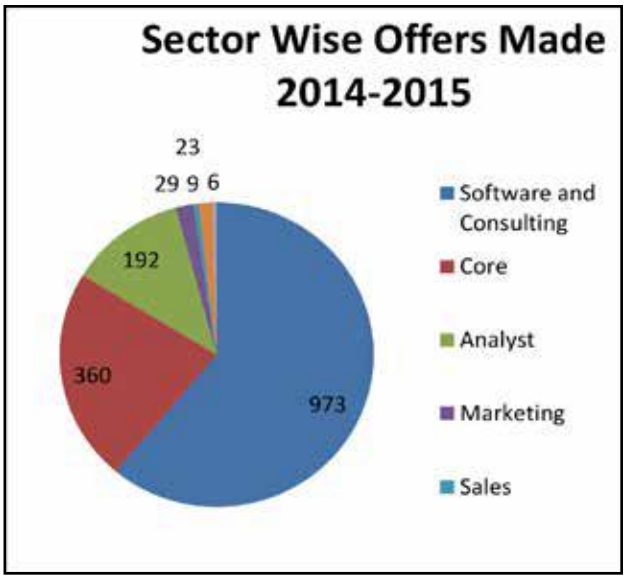
Program-wise Placement Data for 2016-2017

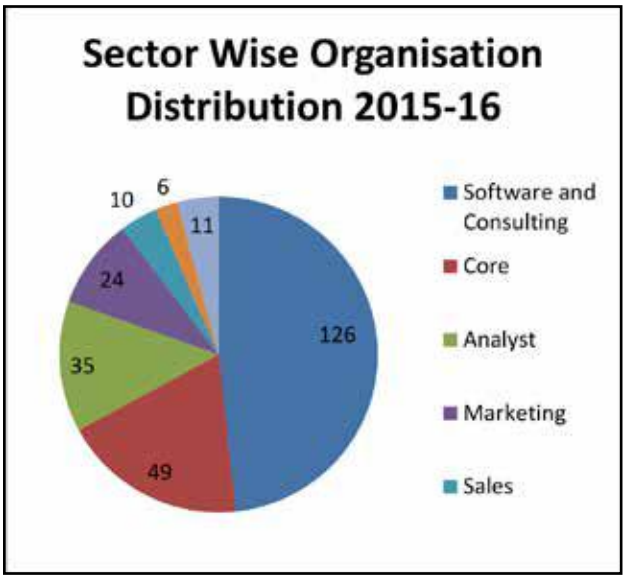
Program	Offers Made	Highest Package Offered
B.Tech.	1122	1.27 Cr
M.Tech.	99	29 LPA
MBA	41	9 LPA

Placement Detail Sector-wise 2016-17

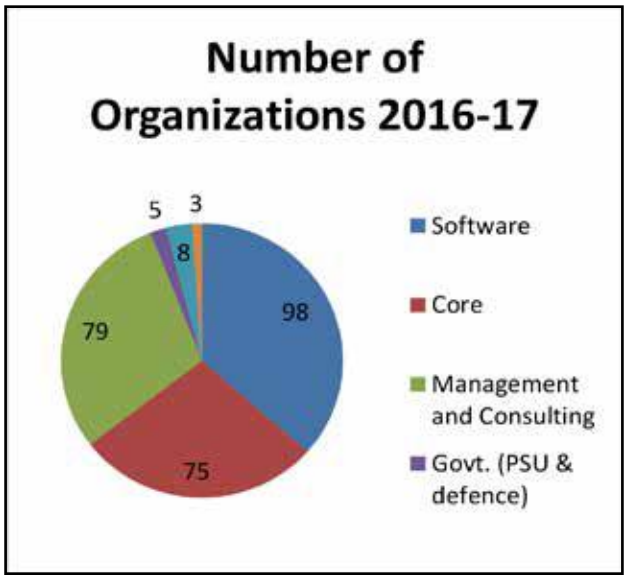
S. No	Sector	Number of Organizations	Number of offers Received
1	Software	98	605
2	Core	75	267
3	Management and Consulting	79	302
4	Govt. (PSU & defence)	5	25
5	Teaching	8	45
6	Research and Development	3	18
	TOTAL	**268**	**1262**


Sector Wise Organisation Distribution 2014-15
5
2
9
7
27
131
72
Software and Consulting
Core
Analyst
Marketing
Sales


Sector Wise Offers Made 2014-2015
23
29
9
6
192
360
973
Software and Consulting
Core
Analyst
Marketing
Sales


Sector Wise Organisation Distribution 2015-16
10
6
11
24
126
35
49
Software and Consulting
Core
Analyst
Marketing
Sales


Sector Wise Offers Made 2015-16
57
38
32
29
137
693
225
Software and Consulting
Core
Analyst
Marketing
Sales


Number of Organizations 2016-17
5
3
8
98
79
75
Software
Core
Management and Consulting
Govt. (PSU & defence)

9 Central Facilities

9.1 Dr. Bhimrao Ambedkar Auditorium

The University has equiped; fully airconditioned, state of art audio visual infrastructure for web casting in an auditorium having seating capacity of six hundred and fifty.

9.2 Sports and Gymnasium

Dr. A.K Srivastava, Director Phycail Education

Facilities

Sports Competition during 2016-17

1. Facilites

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 Gmaes facilities are also provided i.e. Table Tennis rooms, Chess rooms, Carom rooms and Gyms are also available in the each hostel of the DTU campus. Sports council of DTU has organized several tournaments during 2016-17 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 gymnasium 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 girls students also.

The DTU Gymnasium

2. Sports Competition during 2015-16

Sports council of Delhi Technological University has organized several tournaments during 2016-17 academic sessions, metioned below;

D.T.U. 2016-17: SPORTS PERFORMANCE

a) DTU Cricket team participates in Sports Feet I.I.T. Roorkee during 1st April to 3rd April, 2016.

b) DTU Sports Council organizes sports ARENA – 2016 during 3rd April to 8th April 2016.

c) DTU T.T teams (Boys and Girls) participated in Inter Colleges Table Tennis Tournament; organized by Vivekanand Institute of Professional Studies (VIPS) Delhi, during 30th aug. to Sept. 2016.

d) DTU Sports Concil Organized open Chess Tounaments for the Professonal Colleges of Delhi and N.C.R during 15th to 16th sept. 2016 in the Sports Complex of DTU.

e) DTU 113 member Sports teams of various games i.e Football, Cricket, Vollyball, Table Tenis, Lawn. Tennis, Basketball and Athletics participated in the Sports festival of Pilani (RAJ) during 15th to 19th sept. 2016.

f) DTU Sports Concil Organized Khal Mahotasav-2016 during 24th to 28th 2016 for various games i.e. Badminton, Chess, Cricket, Football, Table Tennis, Lawn. Tennis, and Vollyball in the Sports Complex of DTU.

9.3 Health Centre

Dr. Rajesh Biroke, Officer-Incharge

The DTU is having a modest Health Centre manned by well experience medical Doctors. Services of five medical practitioners are available to the students throughout day and evening. The University health centre is also visited by specialized medical practitioners for ENT, Eye, Dental care etc. for expert advice and treatment. University is also having tie up with nearby leading hospitals for emergency. A large number of hospitals are in the vicinity of the University; some of them are Dr. Bhim Rao Ambedkar Hospital, Saroj Hospital, Mahavir Hospital, Jaipur Golden Hospital, Satyam Hospital etc.

A new sports medicine-cum-physiotherapy centre has been added to provide the necessary expert advice. The following Doctors engaged in the university health centre.

S. No.	Name	Expert	Days
1	Dr. Ravi Bansal	General Physician	Monday to Saturday (6 days in a week)
2	Dr. Rajesh Singhai	General Physician	-do-
3	Dr. Arpana Bansal	Eye Specialist	Monday, Wed and Friday (3 days in a week)
4	Dr. Bharat Bhushan Sethi	Dentist	-do-
5	Dr. Subodh Mor	Sports Medicine- cum-Physiotherapist (MPT)	Monday to Saturday (6 days in a week)

9.4 Transport Office

Prof. Nitin Kumar Puri, Transport Officer

Sh. A.K Chauhan, 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	Honda city	DL-10CA-2100	Hon'ble VC	Amrender Jha (Out Source)
2	Omni Van	DL-5CD-9975	General Pool	Ravinder Kumar (Out Source)
3	Ambassador	DL-8C-NA-3902	Pro-VC 2	Satish Yadav (Out Source)
4	Ambassador	DL-8C-J-3827	General Pool	Updesh Saini (Contractual)
5	Scorpio	DL-4C-NB-4918	Pro-VC 1	Sukhwant Singh (Contractual)
6	Ambulance	DL-1A-2507	Emergency & Trauma	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.

Further, all were informed that University has limited number of vehicles and drivers. Large numbers of requests for vehicles were received at the last moment so all were requested to send their requisition 24 hours in advance. A Performa of indent for University vehicles (General Pool) was also circulated. Soft copy of the same is appended below:

DELHI TECHNOLOGICAL UNIVERSITY
Established by Govt. of Delhi vide Act 6 of 2009
(FORMERLY DELHI COLLEGE OF ENGINEERING)
Shahbad Daulatpur, Bawana Road, Delhi-110042

Indent for University Vehicle

Name :

Designation :

Department :

Place of Visit :

Purpose of Visit :

Requisition Details

Date when required :

Time :

Type of Vehicle (√) : Light Vehicle ( ) / Bus ( )

Signature of Indenting Officer

9.5 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)
(a)	Administrative Block	1879.40	4063.66
(b)	Electrical Block	9628.64	23684.49
(c)	Electronics	9628.64	23684.49
(d)	Civil Engineering Block	9628.64	23684.49
(e)	Mechanical Engineering Block	4208.83	14291.10
(f)	Workshop Block	3416.20	3416.20
(g)	Science Block	2817.43	8667.78

Photographs of 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)
(a)	Main Library	400	2000.00	5500.00
(b)	Computer Centre	300	1500.00	3000.00
(c)	Multipurpose Lecture Theatre cum Seminar Hall (Auditorium)	550	2500.00	3000.00
(e)	Senate Hall	45	72.00	72.00
(f)	Exposition Hall	45	84.00	84.00
(g)	Smart Class room -I	90	144.00	144.00
(h)	Smart Class room -II	90	144.00	144.00
(i)	Seminar Hall (RN 307)	25	112	112
(j)	Edusat Hall	40	-	-

Photographs of Central Administrative and Academic Facilities

Main Library

Computer Centre

Multipurpose Lecture Theatre Cum Seminar Hall (Auditorium)

Senate Hall

Exposition 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)
(a)	VVS Boys Hostel	178	11875.02	47500.08
(b)	JCB Boys Hostel	178		
(c)	VMH Boys Hostel	178		
(d)	CVR Boys Hostel	178		
(e)	BCH Boys Hostel	178		
(f)	HJB Boys Hostel	166		
(g)	Ramanujan Boys Hostel	65		
(h)	Aryabhatt Boys Hostel/ Type-I	168		
(i)	Type – II B – 5, Boys Hostel	24		
Total Boys :-		**1313**		
(j)	KCH Girls Hostel	45	776.83	3107.32
(k)	SNH Girls Hostel	99		
(l)	Type-III Block 1 Girls Hostel	70		
(m)	Type-III Block 2 Girls Hostel	48		
(n)	Type – II Block – 1 Girls Hostel	66		
(o)	Type – II Block –2,3, 4 Girls Hostel	72		
Total Girls :-		400		
Grand Total :-		1713		

Photographs of Existing Hostels

VMH Hostel

JCB Hostel

CVR Hostel

BCH Hostel

Type – II B – 5

HJB Hostel

KCH Hostel

Ramanujan Hostel

SNH Hostel

Aryabhatt 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 Photograph

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 residents 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 Photograph

State Bank of India

12 Bedded Hospital

Post Office

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: -

Total Site Area 6 58 581 Sq.m.							
Development control for University Campuses as per Master Plan 2021							
Permissible	Land	Area	Ground Cov.		FAR		Height
	(%)	(Sq.m.)	(Sq.m.)		(Sq.m.)		(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	Ground Cov.		FAR		Height
	(%)	(Sq.M.)	(Sq.M.)		(Sq.M.)		(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	Ground Cov.		FAR		Height
	(%)	(Sq.M.)	(Sq.M.)		(Sq.M.)		(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 Site Area 6 58 581 Sq.m.							
Total		6 58 581	72 795		4 36 081		
Total	Land	Area	Ground Cov.		FAR		Height
	(%)	(Sq.M.)	(Sq.M.)		(Sq.M.)		(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

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:

vii) Boys and Girls Hostels.

viii) Academic Blocks for the Newly Added UG and PG programs.

ix) Built-up space for the ongoing and future research and development centres.

x) 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

Fig.1: Phase-1 Existing Buildings

Fig. 2: Proposed Buildings in Phase II with Existing Buildings of Phase-I

Construction Works (Capital &Maintanance) Undertaken in 2015-16

Phase-II Permanent construction is likely to take time to get executed and therefore to address the present emergent requirement of enhancing the infrastructure capacity, constructions of various temporary SPS (semi-permanent structures) classrooms have been undertaken. These works are being executed by PWD as deposit works. The progress on construction of these temporary SPS classrooms along with the status of fund utilisation in 2015-16 is given below.

S. No.	Name of Work	Budgeted Amount (Rs.)	Expenditure Incurred (Rs.)	Physical progress
1	Construction of 2 Nos. SPS Hall Multi Purpose Hall in Delhi Technological University	2,73,38,900.00	2,73,38,900.00	100%
2	Construction of 4 Nos. SPS Classrooms in Delhi Technological University Campus, Bawana Road, Delhi	2,25,03,300.00	2,25,03,300.00	100%
3	C/O 8 Nos.SPS Classrooms in Delhi Technological University Campus, Bawana Road, Delhi	1,06,43,400.00	50,89,120.00	95%
4	02 Nos. Lecture Halls (IIT Pattern) Out Of UGC	1,74,85,500.00	1,60,00,000.00	100%
5	Major repair and renovation of 56 toilet blocks in all the Hostels	1,68,30,942.00	1,45,64,653.00	100%

Construction of 2 Nos. SPS Hall Multi Purpose Hall

Construction of 4 Nos. SPS Classrooms

Construction of 2 Nos. Lecture Halls (IIT Pattern)

The list of capital works which are being examined for undertaking during the FY 2016-17 either as deposit works through PWD or by the Engg. Cell, DTU subject to availability of funds and prioritisation are as under :-

Capital Works - Civil

S. No.	Name of the Works
1	Widening and re-carpeting of roads and footpath in DTU campus
2	Addition alteration and relaying of sewage lines within DTU campus
3	Addition alteration and relaying of water pipe lines in DU campus
4	Addition, alteration and relaying of sewage shaft and pipe lines in toilets in academic and administrative buildings of DTU
5	Phase-I : addition, alteration and relaying of sewage shaft and pipe lines in Type- I to Type III residential quarters of DTU
6	Phase-II : addition, alteration and relaying of sewage shaft and pipe lines in Type- IV and V residential quarters of DTU
7	Extension of SNH Mess, provisioning of temporary roofing in Canteen, provisioning of temporary roofing and creation of offices at FOT Building
8	Relaying of footpath in OAT and Sports stadium
9	Phase-I : Implementation of enhanced specifications of floor and wall tiles in Drawing/ Dining, Kitchen and bathrooms in Type- IV and Type V residential quarters of DTU
10	Phase-II : Implementation of enhanced specifications of floor and wall tiles in Drawing/ Dining, Kitchen and bathrooms in Type- I to Type III residential quarters of DTU

S. No.	Name of the Works
11	Phase-wise implementation of enhanced specifications of floor and wall tiles in DTU Hostels
12	Phase-wise implementation of addition alteration of carpentry works in DTU Hostels
13	Addition, alteration of stage and sound proof wall panels in auditorium
14	Development of Ecological park behind the hostel area with security huts and lighting.

Capital Works - Electrical

S. No.	Name of the Works
1	Phase-wise up-gradation of Substations, provisioning additional substations
2	Phase-wise up-gradation of UG cable infrastructure and internal/external wiring in administrative and academic buildings
3	Installation of energy efficient AC plant, capacity augmentation, repair/replacement in existing AC plant for auditorium and smart class rooms
4	Addition alteration, replacement of existing corridor lightings in academic and administrative buildings by energy saving LED lightings
5	Addition, alteration of state of the art sound systems in auditorium
6	Addition alteration, up-gradation of AC in Senate Hall
7	Planning and installation of lighting for sports complex

Establishment of DTU East Delhi Campus/Constituent College

(A) 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, 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	

(B) East Delhi (ITI Mayur Vihar) Campus:-

A piece of land measuring 4852-8 sqm 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. It is proposed to construct 4 to 7 storied building semi- permanent in nature with steel structure and newly innovative materials which may full fill the requirement of DTU and additional floors shall be utilized in future the building is expected to be completed by the end of March 2017 so that Academic session can be started next year.

9.6 Purchase Office

This university have 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. 25 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 pertain to their departments, which are below Rs. 25 lacs and to submit its recommendation to the Competent Authority.
4. Other than the above mentioned committees, the following committee are also constituted , as per details:

v) Stationery & Printing Committee andMiscellaneous items Committee.

vi) Liveries Committee

vii) Chemical & Glassware Committee.

viii) Sports Council.

The Purchase office consists of the following employees for its smooth functioning.

- Officer in charge stores and purchase
  - Chief stores Keeper
  - Stores Keeper
  - Assistant stores Keeper

10.0 Other Facility

10.1 DTU STUDIO

DTU STUDIO at a Glance

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 engage 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.

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 7500Workstation, 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.

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 facility lectures are recorded.

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.

10.2 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 beded rooms. Rajesh Rohilla, Associate Professor in Department of Electronics Engineering is the officer incharge.

The DTU guest house

Guest House (8 Double Bedded Rooms)

11.0 Annexure

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