



# दिल्ली प्रौद्योगिकी विश्वविद्यालय DELHI TECHNOLOGICAL UNIVERSITY

*(Formerly Delhi College of Engineering)*

(Estd. By Govt. of NCT of Delhi vide Act 6 of 2009)



ORDINANCE, REGULATIONS  
&  
SCHEME OF TEACHING & EXAMINATIONS  
B.TECH. PROGRAM (FIRST YEAR)

**2023**



**ORDINANCE, REGULATIONS  
&  
Scheme of Teaching & Examinations  
B.Tech. Program (First Year)  
2023**



**DELHI TECHNOLOGICAL UNIVERSITY**  
(Estd. by Govt. of NCT of Delhi vide Act 6 of 2009)  
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**Initially established with the name “Delhi Polytechnic”  
In the year 1941 at Kashmere Gate Campus**

**In the year 1965 renamed as  
Delhi College of Engineering  
Reconstituted as  
Delhi Technological University in the year 2009**

**Vide Govt. of NCT of Delhi Act 6 of 2009**

**-A non-affiliating  
Technological University**

**“Committed to  
Foster Engineering Excellence  
And  
Scientism together”**

## About Delhi Technological University

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

Delhi Technological University was upgraded from Delhi College of Engineering by the Government of NCT of Delhi in 2009. The University has an illustrious history spanning over 82 years. This university was initially established with the name of Delhi Polytechnic in the year 1941 to cater to the needs of Indian industries for trained technical manpower with practical experience and sound theoretical knowledge. From academic year 2017-18 the East campus of DTU is also functional which offers courses like Bachelor of Business Administration (BBA), Bachelor of Arts, (Honours) in Economics, and Master of Business Administration (MBA).

This premier institution is globally well-known for its outstanding education, research, and innovations. The University currently offers various inter-disciplinary and industry relevant-programs in science, technology, management, and allied areas at both the undergraduate and postgraduate level. The University has established a strong academia-industry interface and has collaborations with reputed research organizations, industries, and premier institutions.

The university has taken several initiatives in recent past to engage the students and faculty in research and innovation like provision of funding for students' innovative projects, financial assistance to students for attending internship overseas, introduction of three different tracks in elective courses in B.Tech. Curriculum namely (a) research (b) product development and (c) entrepreneurship, research project grant to faculty members etc.

### Vision & Mission of the University

#### Vision:

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

#### Mission:

1. To establish centres of excellence in emerging areas of science, engineering, technology, management, and allied areas.
2. To foster an ecosystem for incubation, product development, transfer of technology, and entrepreneurship.
3. To create environment of collaboration, experimentation, imagination, and creativity.
4. To develop human potential with analytical abilities, ethics, and integrity.
5. To provide environment friendly, reasonable and sustainable solutions for local and global needs.

### Core Values of the University

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

**Compassion** We foster civilized mindset for kindness, consideration and benevolence.

**Commitment** We dedicate ourselves completely to all our endeavours.

**Creativity** We nurture innovation, imagination and ideation.

**Collaboration** We promote team work through togetherness, harmony and acknowledgement.

**Inclusion** We embrace diversity with respect, acceptance and affirmation.

## **Quality Policy**

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

## **Programs Offered**

The university offers 14 undergraduate engineering programs, 25 post graduate engineering programs, 5 MBA programs, an M.Des and 4 M.Sc. programs. Besides this the university offers other 3 other bachelor programs namely B.Des., BBA and BA (Honours) Economics. The engineering programs include disciplines of Chemical Engineering, Mathematics & Computing, Engineering Physics, Bio-Technology, Civil Engineering, Computer Science and Engineering, Information Technology, Electrical Engineering, Electronics & Communication Engineering, Environmental Engineering, Mechanical Engineering Mechanical Engineering with Specialization in Automotive Engineering, Production and Industrial Engineering and Software Engineering.

The UG and PG programs of DTU offer most modern curricula, based on the Choice Based Credit System (CBCS), having rich mix of courses from science, engineering, management, social sciences, humanities, fine arts, liberal arts, classical music, sports, etc. The course curricula have been developed with a view to integrate advancements in science and engineering, while also incorporating industry relevant technologies. To provide further flexibility there is provision for credit transfer and earning credits through massive online courses (MOOCs) from platforms such as NPTEL, SWAYAM and from any other Institute/University in online/ offline mode with prior approval of Board of Studies of the respective Department. The Curriculum is regularly updated keeping in view the new technologies and changes in industries and society.

## **Ranking and Rewards**

The university is having ISO 9001:2015 certification since 27.11.2018, accredited with 'A' grade by NAAC (National Assessment and Accreditation Council) and has been accorded 12-B status by the University Grants Commission (UGC). Many of its UG and PG engineering programmes are also accredited by the National Board of Accreditation (NBA). The University is consistently ranked among best 10 engineering institutions as per the various independent surveys on best engineering institutions of the country. The University has been ranked 1st by Times Engineering in Top 170 Engineering Institutions in India Ranking 2022. The 2023 NIRF rankings placed DTU at the 29th position among the engineering institutions and at 40th in the categories of universities. DTU has been

## **Faculty and Research**

The university has a very talented pool of experienced, as well as young faculty members who are highly qualified in their area of specialization and have very good national and international exposure. To encourage the students and faculty for research and innovation, the university has provisions like funding for students' innovative projects, financial assistance to students for attending internship overseas, research project grant to all faculty members etc. To celebrate the individual's excellence in research, the university offers research excellence awards to researchers in three categories of awards annually, namely, Outstanding Research Awards, Premier Research Awards, and Commendable Research Awards. The awards are open to all the researchers of DTU. In addition, university also recognizes excellence in teaching. The university has been granted with the Technical Education Quality Improvement Program (TEQIP) project by MHRD. The project provides funds to faculty and students to organize and attend various faculty development programs, seminars, and conferences.

### **Campus and Infrastructure**

DTU has 164 acres of a lush green, tech-savvy main campus, consisting of 16 academic departments, research centers, and residence for students, faculty, and staff. At present the university has more than 14,000 students in its undergraduate, postgraduate, and Ph. D programmes. DTU has a EDUSAT studio utilized for recording of lectures, events, and talks. Besides the main campus, the university has another campus located in East Delhi, offering BA (Hons.) Economics, BBA and 4 MBA programmes.

### **Computer Centre**

DTU has a well-equipped computer centre to cater to the needs of students and faculty of 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 students and research scholars. The centre possesses a number of servers and over 240 intel core i5 computer systems. In addition, the centre has more than 15 server engines hosting different applications such as websites & portals, SPSS, Mathematica, MatLab, Ansys, DNS, LDAP, proxy, Email services, Network Monitoring System (NMS) etc. The centre is fully networked through high-end intelligent network switches, and possesses round the clock 10 Gbps NKN leased line and a 1 Gbps backup leased line in a different pipe for the LAN wired & Wi-Fi connectivity for the academic, administrative, residential and hostel blocks of the campus providing high speed internet facilities on all the nodes. It also has the latest versions of compilers, scientific, technical and engineering softwares for the students of various programmes.

### **Library and Knowledge Centre**

Delhi Technological University library building is a four-storied, esthetically designed, centrally air-conditioned structure with a seating capacity of 450. DTU Library, with a collection of more than 2,29,155 text and reference books and a large number of e-journals, e-books, and manuscripts in digital format, is one of the highly rich engineering libraries in the country. DTU Library provides remote access facilities to all its readers through cloud-based remote access software. The library also helps researchers to maintain due integrity and ethics by providing the facility of similarity check to avoid instances of plagiarism. It has a very active presence on Facebook. Various current awareness services, monthly new arrivals, and user information literacy programs are continually organized throughout the year.

### **Outreach, Extension and Business Incubation Activities**

The university has established many centers like Center of Outreach & Extension Activities, Center of Human Resource Development (HRDC) and Equal Opportunity Cell. The center of outreach & extension activities organizes a variety of activities for promoting public awareness, especially for deprived sections of society including awareness programmes on engineering for class X/XI/XII students. The HRDC center aims to upgrade and enhance the skills and knowledge of faculty at DTU. The university has also established the DTU Innovation and Incubation Foundation (DTU-IIF), pursuant to sub-section (2) of section 7 of the Companies Act, 2013 and rule 8 of the Companies (Incorporation) Rules, 2014. The center offers incubation infrastructure, including space, computing resources, connectivity, common tools, and environment for co-working, collaboration, and innovation. Currently, 57 active start ups are working in the Centre. DTU-IIF has received a project of Rs 5,00,000,00/- from DST.

### **Sports and Other Outdoor Activities**

The students of DTU are facilitated by excellent sports complex for indoor and outdoor games. DTU has 4 x 400m racing track, fields for football & hockey. A cricket pitch and courts for volleyball, basketball, tennis, badminton, along with facilities for indoor games. A well-equipped gymnasium is also available in the sports complex in addition to gymnasium facilities in each hostel. The university has engaged coaches in almost all the games to coach the students and nurture university teams. Students are encouraged to participate in various sporting events and tournaments held in, and around NCR of Delhi. From the academic year 2018-19, as per the revised curriculum, the university offers foundation electives/ value addition electives to the students of first year and second year of UG programmes and in these sports have big share of electives.



## **Hostels for Men, Women and Health Centre**

The University has 09 boys' and 03 girls' hostels to accommodate 1614 boy and 800 girl students. Every hostel has its own common room and gymnasium. The hostels are connected via the campus-wide Wi-Fi as well as wired network, enabling the residents to browse the Internet and access online library resources for their academic and research-related tasks. DTU has a full-fledged health center where services of five medical practitioners and round the clock nursing facilities are available. The university has a health centre with OPD facilities in the area of medicine, ophthalmology, dentistry and physiotherapy.

## **Events and Festivals**

The university organizes annual cultural, literary, sports and technical festivals. These festivals not only provide an opportunity to the students to connect with the professional world, but also an opportunity to display their creative and technical skills in several interesting events and activities organized during the fests. The ENGIFEST, one of the most popular student's cultural events of northern India, is the annual cultural extravaganza of the university and offers a good mix of literary, cultural, and entertainment events. The INVICTUS is annual technical festival of the university where all technical societies of the university host various technical events and competition. The sports festival ARENA is organized annually. The festival witnesses large participation of boys and girls in various sports which include athletics, cricket, tennis, basketball, volleyball, badminton, table tennis, carrom, chess etc.

University regularly organizes conferences, workshops and faculty development programs for learning through networking and academic growth of faculty and students.

## **Placements**

DTU has been ranked among top institutes in India in terms of placement and higher studies as per NIRF data (2023) in the Engineering category. The university students are placed in reputed companies offering a promising and high profile career. Some of the top recruiters include Google, Amazon, Microsoft, Uber, Sprinklr, Uniqlo, Goldman Sachs, Qualcomm, Texas Instruments, Synopsys, SanDisk, Nvidia, Maruti, Samsung, Bain, KPMG, McKinsey, PWC, GAIL, BEL, C-Dot etc. A major highlight of placements at DTU is that the leading companies not only make job offers to the final year students, but they also offer paid internships to third year students. This enhances the industry interface further, preparing them for the technological challenges of the industries and in turn assure better pre-placement jobs offers for the students.

Students who have graduated from DTU are studying in various prestigious national and international institutes such as IIMs, IITs, Carnegie Mellon University, Columbia University, Duke University, Purdue University, University of Texas and University of California.

In all the university has all the possible academic, cultural and social infrastructure and environment to develop industry relevant and socially sensitive human resource for India and Globe.

## **Distinguished Alumni**

DTU has provided the nation, as well as the world at large, with some of the best and finest engineering and technology professionals. They have, with distinction, led great enterprises and corporate houses in India and abroad, bringing immense glory to their alma-mater, all the while enhancing the pride of the engineering profession by their distinguished services performed with utmost sincerity and commitment.

The long list of distinguished alumni of this great institution includes Vinod Dham, 1971 EC, The Designer of Pentium Chip; Raj Soin, 1969 Mech, Chairman, Soin International, Ohio, USA; K.L. Chugh, 1960 Mech, former CMD, ITC; Ajoy Choudhury, 1958 Architecture, Eminent Architect; Dr. Durga Das Agrawal, 1967 Mech, President and CEO, Piping Technology and Products, Houston, USA; Prof. Bhuvnesh Goswami, 1959 Textile, Distinguished Alumni Professor, University of

Clemson, USA; Prof. Yogi Goswami, 1969 Mech, Distinguished Professor of Solar Energy Technologies, University of Florida, USA; Yogesh Sud, 1969 Mech, NASA Gold Medalist Scientist; Surya Kant, Vice President and Head TCS America USA; A.K. Puri, 1975 Mech, Former CMD, BHEL; A.K. Baweja, Former CMD, Hindustan Aeronautics Ltd.; Sanjeev Ahuja, Former Chairman, Orange SA; Ashwani Kumar, CMD, Bharat Electronics Ltd.; Anil Sardana, Managing Director, Tata Power Ltd.; A.K. Purwaha, CMD, Engineers India Ltd.; S.K. Vij, former Member Railway Board and President, Indian Building Congress; Karnail Singh, IPS; Arun Goyal, IAS, Minister of Commerce and Industry, Indian Embassy, Tokyo, Japan; Vijay Shekhar Sharma, Founder, PayTM; Group Captain (Late) R.S Bhola, Olympic Winner, Ajay Dixit, CEO Cairn Oil & Gas, Vedanta Ltd., Archana Bhardwaj Executive Director IOCL, P.R Sheshadri, CEO and MD, Karur Vysya Bank Limited, Jayant Khosla CEO and MD VLCC, Sanjay Brahmawar, CEO, Software AG, and many more.

### **Our Glorious Past**

“82 years of Tradition of excellence in Engineering & Technology Education, Research and Innovations” Delhi College of Engineering, (initially established with the name – Delhi Polytechnic) came into existence in the year 1941 to cater the needs of Indian industries for trained technical manpower with practical experience and sound theoretical knowledge. The institution started its functioning at the historic Kashmere Gate campus as a follow up of the Wood and Abbott Committee of 1938. It comprised of a multi disciplinary and multi level institution offering wide ranging programs in engineering, technology, art and sculpture, architecture, pharmacy and commerce. The national diploma awarded by the institution was recognized as equivalent to degree level for the purpose of employment. In 1952, the college was affiliated with University of Delhi and started formal Degree level programs. The department of Architecture later became the School of Planning and Architecture, now a Deemed University and Institution of National importance. The department of Arts and Sculpture became College of Arts and the departments of Chemical Technology and Textile Technology were shifted out en-block to mark beginning of the IIT Delhi at its new campus at Hauz Khas. The department of commerce was later abolished and the faculty of management studies of the University of Delhi was established by Prof. A Das Gupta, of DCE. Delhi College of Engineering is thus the mother institution of a number of national projects including IITD, SPA, College of Arts and even the famous FMS.

Till 1962, the college was under the direct control of Ministry of Education, Government of India. In 1963, the administration of the college was handed over to Delhi Administration. Delhi College of Engineering was under the administrative control of Department of Training & Technical Education, Govt. of NCT of Delhi. For academic purpose, the college was affiliated to University of Delhi since 1952. From July 2009, the DCE has become Delhi Technological University vide Delhi Act 6 of 2009.

The erstwhile DCE has functioned from its historic Kashmere Gate Campus for almost 55 years and has shifted in 1996 to its lush green sprawling campus of 164 Acres at Bawana Road, adjoining Sector-17, Rohini, Delhi. Its shifting to new campus has added the dimension of research and caused innovations in plenty, which has received high national and international acclaim. As Delhi Technological University, it has the desired autonomy to excel and shape itself as a world class Technological University.



# Delhi Technological University

Ordinance (1-B)

## Ordinance for the Undergraduate and Post Graduate degree programs of Delhi Technological University

*(For batches 2018-19 and onwards)*

### Preamble

Delhi Technological University (DTU) is a non affiliating, teaching and research University at Delhi to achieve excellence in science, engineering, technology, management and allied areas and matters connected therewith or incidental thereto. It enables students to face the wide-ranging changes taking place in the fields of technology, environment and management with confidence. This includes undertaking design, development, construction, production, managerial and entrepreneurial activities, and higher studies in their chosen or allied interdisciplinary fields of study. The University lays great emphasis on assisting students in the development of National character, self-confidence, leadership and entrepreneurial skills.

### 1. Short title and Commencement:

- (i) This ordinance shall be called the Ordinance 1 (B) 2018 meant for the undergraduate and post graduate degree programs of Delhi Technological University for batches 2018-19 onwards.
- (ii) This ordinance shall come into force with effect from the date of Board of management approval.

### 2. Definitions: (a) In this ordinance, unless the contents otherwise require-

- (i) **“AC” and “Council”** shall mean the Academic Council of the Delhi Technological University.
- (ii) **“BoM”** shall mean the Board of Management of the University.
- (iii) **BoS** shall mean Board of Studies of the Department/ School
- (iv) **“CGPA”** shall mean the Cumulative Grade Point Average.
- (v) **Department** shall means a department of studies of the university.
- (vi) **School** shall mean a school of studies of the university.
- (vii) **“SGPA”** shall mean the Semester Grade Point Average.
- (viii) **“Student”** shall mean a student registered for undergraduate or post graduate program.
- (ix) **“University”** shall mean the Delhi Technological University.
- (x) **“UTTC”** shall mean University Time Table Committee.

- (b) Words and expressions used but not defined in this ordinance and defined in the Act and Statutes, shall have the same meaning as assigned to them in the Act or Statute.

**Note:** ‘He’, ‘Him’ and ‘His’ implies ‘he/she’, ‘Him / Her’ and ‘his/her’, respectively.

### 3. Ordinance:

- (i) The University shall offer UG and PG programs as approved by the BoM on the recommendation of the AC either on its own or on the initiative of a Department/ School, and/or on the direction of the BoM.

- (ii) The minimum entry qualifications and the policy and procedure of admission to the programs shall be such as may be approved by the AC.
- (iii) A student of a program shall be required to earn a minimum number of credits through various curricular components like lectures/tutorials/laboratory/studio courses, seminar, industrial training, project etc. at the University or at such other institutions/industry as may be specified in the Regulations.
- (iv) A student shall be required to complete all the requirements for the award of the Bachelor or Master degree within such period as may be specified in the Regulations.
- (v) A student shall be required normally to attend every lecture, tutorial, studio and laboratory class. However, for late registration, sickness or other such exigencies, absence may be allowed as provided for in the Regulations.
- (vi) A student may be granted such scholarship/ studentship/ assistantship/ stipend, etc. and awarded such prizes and medals as may be specified in the Regulations in accordance with the directions of the Government of India/Government of NCT of Delhi and/or the decision of the AC/BoM.
- (vii) The procedure for the withdrawal from a program, rejoining the program, and all such matters as may be connected with the running of a program shall be such as may be specified in the Regulations.
- (viii) The procedure of conduct of examination, evaluation, the award of grades and the SGPA/CGPA, secrecy, and declaration of result shall be such as may be specified in the Regulations.
- (ix) The award of the Bachelor or Master degree to an eligible student shall be made in accordance with the procedure laid down in the Regulations.
- (x) The procedure for temporarily suspending or phasing out of a program, shall be such, as may be laid down in the Regulations.
- (xi) Notwithstanding anything contained in the above Ordinance, no Regulations shall be made in contravention of the decision of the AC/BoM in regard to the duration of the program, the number of studentships, the procedure of admission, the percentage of students of various categories. The Regulations for the undergraduate and post graduate degree programs can be prepared/ modified / amended from time to time and the same shall be approved by the AC.
- (xii) Subject to the provisions of the Act and Statutes and these Ordinances, the issues not covered in these Ordinances or in the event of differences of interpretation, the Vice Chancellor may take a decision, after obtaining the opinion of a Committee consisting of any or all the Deans of the University. The decision of the Vice Chancellor shall be final.
- (xiii) In special circumstances, the Vice Chancellor may, on behalf of the BoM, approve amendment, modification, insertion or deletion of an ordinance(s), which in his opinion is necessary or expedient for the smooth running of program, provided that all such changes shall be reported to the BoM in its next meeting for ratification.

### **Regulations for the Undergraduate and Post Graduate degree programs Delhi Technological University**

(To be read alongwith the Ordinance 1(B), 2018 meant for the undergraduate and post graduate degree programs of Delhi Technological University for batches 2018-19 onwards)

*(For batches 2018-19 and onwards)*

#### **Preamble**

Delhi Technological University (DTU) is a non affiliating, teaching and research University at Delhi to achieve excellence in science, engineering, technology, management and allied areas and matters connected therewith or incidental thereto. The University enables students to face the wide-ranging changes taking place in the fields of science, technology, environment and management.

This includes innovation, design, development, construction, production, managerial and entrepreneurial activities. The University lays great emphasis on assisting students in the development of national character, self-confidence, leadership and fostering an ecosystem for creativity and imagination.

**R. 1(B).1.Short title and Commencement:**

- (i) These Regulations are meant for the undergraduate and post graduate degree programs of Delhi Technological University for batches 2018-19 onwards and to be read with Ordinance 1(B), 2018 meant for the undergraduate and post graduate degree programs of Delhi Technological University for batches 2018-19 onwards.
- (ii) These Regulations shall come into force with effect from 1.08.2018

**R. 1(B).2.Definitions:**

- (i) **“Applicant”** shall mean an individual who applies for admission to undergraduate/post graduate degree programs
- (ii) **“AC” and “Council”** shall mean the Academic Council of the Delhi Technological University.
- (iii) **“Academic Program”** shall include a program of courses or any other component leading to undergraduate or post graduate degree.
- (iv) **“BoM”** shall mean the Board of Management of the University.
- (v) **“BoS”** shall mean Board of Studies of the Department.
- (vi) **“CGPA”** shall mean the Cumulative Grade Point Average.
- (vii) **“Coordination Committee”** shall mean the committee of the faculty members involved in a course.
- (viii) **“COE”** shall mean Controller of Examinations of the University.
- (ix) **“Course”** shall mean a curriculum component of the academic program identified by a designated code number, a title and specific credit assigned to it.
- (x) **“Course Coordinator”** shall mean a faculty member who shall have full responsibility for the course; coordinatin the work of faculty member(s) involved in that course, including examinations and the award of grades.
- (xi) **“CWS”** shall mean Class Work Sessional.
- (xii) **“Dean (UG)”** shall mean the Dean Academic (UG).
- (xiii) **“Dean (PG)”** shall mean the Dean Academic (PG).
- (xiv) **“Degree”** shall mean the Bachelor or Master degree of the University as may be approved by the BoM from time to time.
- (xv) **“Department”** shall mean a department of studies of the University
- (xvi) **“DSW”** shall mean the Dean of Students Welfare.
- (xvii) **“ETE”** shall mean End-Term Examinations
- (xviii) **“HOD”** shall mean Head of the Department/School
- (xix) **“Faculty Advisor”** shall mean a teacher nominated by the Department to advise a student on the courses to be taken by him/her and other matters related to the academic program.
- (xx) **“Grade Moderation Committee”** shall mean the committee appointed by the Board of Studies to moderate grades awarded by the Course Coordinators in different courses in a semester at a given level of a curriculum.
- (xxi) **“MTE”** shall mean Mid-Term Examinations
- (xxii) **“NRI NRI/PIO/FN category Student”** shall mean the student who is admitted against NRI/PIO/FN category.
- (xxiii) **“OBC”** shall mean the other backward classes as notified by the Government of India/Government of NCT of Delhi from time to time.

- (xxiv) **“PD”** shall mean the persons with disability as specified by the Government of India from time to time.
- (xxv) **“PG”** shall mean the Post Graduate.
- (xxvi) **“PRE”** shall mean Practical Examinations
- (xxvii) **“PRS”** shall mean Practical Sessional
- (xxviii) **“Registration”** shall mean registration for course or semester at the start of the semester of any program of the University.
- (xxix) **“SC/ST”** shall mean the Scheduled Castes and Scheduled Tribes as notified by the Government of India/Government of NCT of Delhi from time to time.
- (xxx) **“Scheme of Teaching and Examination”** shall mean the scheme of teaching and examination as approved by the Academic council from time to time.
- (xxxi) **“School”** shall mean a school of studies of the University.
- (xxxii) **“SGPA”** shall mean the Semester Grade Point Average.
- (xxxiii) **“Student”** shall mean a student registered for undergraduate or post graduate program.
- (xxxiv) **“UG”** shall mean the Under Graduate.
- (xxxv) **“University”** shall mean the Delhi Technological University.
- (xxxvi) **“UTTC”** shall mean University Time Table Committee.

**Note:** ‘He’, ‘Him’ and ‘His’ implies ‘he/she’, ‘Him / Her’ and ‘his/her’, respectively.

#### **R. 1(B).3 Board of Studies (BoS):**

The Board of Studies (BoS) shall be a sub-committee of the AC, which shall consider all the academic matters related with the Department/School. It shall also consider and recommend to the AC the broad framework and policies related to the UG and PG degree programs offered by the University. The composition of BoS of the Department(s)/School(s) shall be as follows: Head of the Department/School (Chairperson), all Professors of the Department/School (Members), two Experts appointed by the Vice Chancellor (Members) and two Associate Professors of the Department/School by rotation (Members) for a period of two years. In the absence of adequate faculty in the Department/School, Vice Chancellor can constitute the BoS with faculty from other relevant disciplines.

#### **R. 1(B).4 Undergraduate and Post Graduate Programs**

The University offers Undergraduate and Post graduate programs of different durations in different disciplines as given in **Table 1**. The scheme of teaching and examination of these programs is given in **Annexure 1A-1J** respectively. The scheme of teaching and examination of a program may be amended/ modified in accordance with the approval

**Table 1: Broad Structure of UG and PG Programs**

S. No	Program	Annexure
1.	B. Tech.	Annexure 1A
2.	B.Tech. under Continuing Education	Annexure 1B
3.	BBA	Annexure 1C
4.	BA/B.Sc.	Annexure 1D
5.	B. Des.	Annexure 1E
6.	M. Tech	Annexure 1F
7.	M. Tech (Part Time)	Annexure 1G
8.	MBA	Annexure 1H
9.	EMBA	Annexure 1I
10.	MA/ M.Sc.	Annexure 1J

- (ii) The normal and maximum duration of the UG and PG programs is given in **Table 2**. The maximum duration for all the programs shall be counted from the date of initial registration. The maximum duration of the program shall include the period of withdrawal, absence and different kinds of leaves permissible to a student, but it shall exclude the period of rustication. The duration for these programs may be altered in accordance with the decision of the AC/ BoM.

**Table 2: Duration of UG and PG Programs**

S. No	Program	Normal Duration (Year)	Maximum Duration (Year)
1.	B. Tech.	4	7
2.	B.Tech. under Continuing Education	4	7
3.	B.Tech. (Lateral Entry)	3	5
4.	BBA	3	5
5.	BA/B.Sc.	3	5
6.	B. Des.	4	7
7.	M. Tech.	2	4
8.	M. Tech. (Part Time)	3	5
9.	MBA	2	4
10.	EMBA	2	4
11.	MA / M.Sc.	2	4

**R. 1(B).5 Admissions:**

- (i) The policy of admissions, the eligibility thereof, admission criteria and other issues pertaining to admission shall be such as may be approved by AC from time to time.
- (ii) NRI/PIO/Foreign national either residing in India or abroad may be admitted to the UG and PG programs in accordance with the policy guidelines laid down by the AC from time to time.



**R. 1(B).6 Starting a New Program:**

The University may start a new UG or PG program as approved by the BoM on the recommendation of the AC either on its own or on the initiative of a Department/School, and/or on the direction of the BoM.

**R. 1(B).7 Semester System:**

- (i) The academic programs in the University shall be based on semester system; Odd and Even semesters in a year with winter and summer vacations.
- (ii) A number of courses shall be offered in each semester. Each course shall have a certain number of credits assigned to it depending upon the academic load of the course assessed on the basis of weekly/semester contact hours of lecture, tutorial, studio and laboratory classes, assignments or field study or self study.
- (iii) The courses offered in a semester shall be continuously assessed and evaluated to judge the performance of a student.

**R. 1(B).8 Course Code:**

Each course offered by the University shall be identified by a course code, normally consisting of a string of five alpha-numeric characters followed by a course title. The first two characters in a course code shall be capital letters identifying the responsible Academic Department/School offering the course. The next three characters are numerical digits: the first one normally specified the year of study and the last two digits specify the course number and the semester in which the course shall be offered. Normally odd number in the course code will indicate that the course will be offered in the odd semester and the even number will indicate that the course will be offered in the even semester of the year.

**R. 1(B).9 Course Credits:**

Each course shall have an integer number of credits, which reflects its weight. The number of credits of a course in a semester shall ordinarily be calculated as under:

- (i) Lectures/Tutorial: One lecture hour per week shall normally be assigned one credit. One hour of tutorial per week shall be assigned one credit. However, the credits may be adjusted further by taking into consideration the quantum of work required to be put in by a student for learning the course having two/three hours of contact every alternate week shall have one credit only.
- (ii) Practical and Design Studio: One laboratory or Design Studio hour per week shall normally be assigned half a credit. The courses having two/three hours of contact every alternate week shall have one credit only.

**R. 1(B).10 Academic Registration:**

- (i) Every student shall be required to register in each semester on the scheduled date as per academic calendar of the University till the completion of the degree. If the student does not register on scheduled date he/she has to pay late registration fee notified from time to time upto a maximum of 10 working days. Registration in absentia may be permitted by the Dean (UG)/ Dean (PG). In absentia registration may be allowed only in rare cases such as illness or any other contingencies, at the discretion of the Dean (UG)/ Dean (PG).
- (ii) In case, a student is proceeding on industrial training/internship, late registration may be allowed only up to a maximum of 10 working days after the scheduled registration date without late registration fee by the Dean (UG)/ Dean (PG).



**R. 1(B).11 Course Registration:**

- (i) Every student shall be required to register for the courses that he/she wants to study for earning credits and his/her name will appear in the roll list of each of these courses. No credit shall be given if a student attended a course of which he or she has not registered. The performance of a student in all the courses, for which he/she has registered, shall be included in his/her grade card(s).
- (ii) Student should first register for the courses in which he/she has been declared failed in the previous year/semester and then register for the remaining courses of the semester to make up the total required credits for that semester. However, a student of a program of more than 2 years duration shall not be allowed to register for the courses offered to students of third year, if he/she has not cleared all the courses of first year and a student of a program of more than 3 years duration shall not be allowed to register for the courses offered to students of fourth year, if he/she has not cleared all the courses of second year.
- (iii) All students of UG/PG program shall complete the registration procedure on a specified registration date as per academic calendar/ schedule notified from time to time
- (iv) A student is advised to register the courses as specified in the scheme of teaching and examination of the program in each semester. In case the student is not allowed to register the courses of current semester due to backlog of course(s) of previous year(s), he/she may register for credits less than minimum credits depending on number of backlog of course(s) of previous year(s). However a student can register for a minimum and a maximum of credits as given in **Table 3**.

**Table 3: Minimum and Maximum Permissible Credits**

S. No	Program	Minimum Credits	Maximum Credits
1.	B. Tech.	16	32
2.	B.Tech. under Continuing Education	12	24
3.	BBA	16	32
4.	BA	16	32
5.	B. Des.	16	32
6.	M. Tech.	12	24
7.	M. Tech. (Part Time)	*	*
8.	MBA	16	32
9.	EMBA	16	32
10.	MA/M.Sc.	16	32

\* Refer scheme of teaching and examinations of M.Tech Program.

- (v) A student shall have the option to add or delete courses from his/her registration during the first ten days of the semester as per Academic Calendar.
- (vi) A student shall have the option to obtain a Minor in a specific discipline. A Minor shall be awarded to a student along with his/her major discipline if he/she has earned requisite credits (courses) from the prescribed basket of Courses for that Minor.
  - (a) A student who wishes to pursue a Minor from other discipline shall earn 24 credits (out of the total 48 credits to be earned from elective courses) from the basket prescribed for that particular Minor. The remaining 24 credits shall be earned from the departmental elective courses of the discipline to which the student is pursuing his/her UG degree.
  - (b) A student who wishes to pursue a Minor from the own discipline shall earn 20 credits (out of the total 48 credits to be earned from elective courses) from the basket prescribed for a particular Minor. The remaining 28 credits shall be earned from the departmental elective/ general elective courses.
  - (c) A student not keen to pursue a Minor shall earn at least 24 to 28 credits (out of the total 48 credits to be earned from elective courses) from the departmental elective courses of the discipline in which the student is pursuing his/her UG degree. The remaining credits (24 or 20) shall be opted from the departmental elective/ general elective courses.
- (vii) A student shall have the option to do course work and/or project work for one semester at any University that is ranked in first 500 by Times Higher Education or QS ranking in last five years, under Semester away Program. The other Universities may also be considered where DTU has signed a Memorandum of understanding under the student exchange program. The detailed guidelines of Semester away Program are given in Annexure -1.

**R. 1(B).12 Minimum Number of Students Required For An Elective Course:**

An elective course in the department/school shall run if a minimum of 20 numbers of students register for it in a semester. However, the minimum number of students shall be decided as per guidelines laid by BoS for programs where the strength of batch of students is below 30.

**R. 1(B).13 Program Advisor :**

A Program Advisor shall be appointed by the Head of the Department who shall advise the students for registration.

**R. 1(B).14 Course Coordinator:**

Every course offered by a Department/School shall be coordinated by a Course Coordinator appointed by the Head of the Department/School. The Course Coordinator shall have full responsibility for the course. He/she shall coordinate the work of other faculty members involved in that course in respect of their participation in various activities related to the course including continuous evaluation of the students through tests, quizzes, assignments, mid-term and end-term examination and the award of the grades.

**R. 1(B).15 Course Evaluation:**

- (i) A student shall be evaluated for his/her academic performance in a course through tutorials, practicals, design studio work, home work, assignments, term papers, field work/industrial training, seminars, quizzes as CWS, PRS/ STS /CMS , MTE, ETE/ EME and PRE/ STE/as specified in the Scheme of teaching and examination. The distribution of weightage/marks among various components of continuous evaluation is given in **Annexure -2**.
- (ii) The distribution of weights for each component shall be announced by the course Coordinator at the beginning of the course, subject to such stipulations as are given in the Scheme of Teaching and Examination for a given program.
- (iii) The courses offered in a semester shall be continuously assessed and evaluated to judge the performance of a student.
- (iv) The criteria for continuous evaluation of any subject shall be declared in the very first week of commencement of the classes.
- (v) Answer sheets of the test(s) and examination(s) cannot be written in pencil.
- (vi) Evaluation of Answer sheet(s) should not be in pencil.
- (vii) A student can see his/her answer sheet(s) of MTE and the ETE and point out any discrepancy in its evaluation on a day fixed by the Course Coordinator/Chairman, Grade Moderation Committee. Objections will be entertained right then, and not even on the next day.
- (viii) The answer sheets be disposed off by the Examination Branch after preserving them for six months only, except those which have some pending matter.
- (ix) The answer sheets of the End-Term Examination shall not be shown to a student after finalization of the grades by the Grade Moderation Committee.
- (x) The industrial/field training shall normally be evaluated through the quality of work carried out, the report submission and presentation(s) as specified by the Department/School from time to time. The project shall be evaluated normally by Mid Term seminar(s), quality of work carried out, project report submitted and the viva-voce examination.

**R. 1(B).16 Conduction of Examination:**

- (i) The examinations of various programs shall be conducted in a manner as prescribed and approved by AC.
- (ii) Mid-Term Examination will be conducted by course coordinator and the faculty members concern during the slot notified by the COE.
- (iii) While the paper is set, the Mid-Term Examination papers will not have any alternative, however 20-30% alternatives may be admissible in the End-Term Examination paper.
- (iv) The End-Term Examination will be conducted by the COE.
- (v) Evaluation process should be concluded within specified days from the end of the schedule of examination:  
Mid-Term Examination – One week  
End-Term Examination – Two weeks
- (vi) A notification of slot/date/venue be issued by concerned faculty member under intimation to COE for showing answer sheets to the students. Both Mid-Term & End Term answer sheets should be shown to the students by the concerned faculty member(s)/Evaluator(s).
- (vii) Policy adopted by individual faculty member/ evaluator for evaluation of answer sheets should be uniform and consistent, and in case any moderation is done for the marks the same should uniformly be applied under intimation to COE.

**R. 1(B).17****Grading System:**

- (i) The academic performance of a student shall be graded on a 10-point scale. For the award of grades in a course, all component-wise evaluation shall be done in marks. The marks of different components shall be reduced to relative weights of each component as per Scheme of teaching and examination and shall be added. Marks so obtained shall be out of 100 and the same shall be converted to grades.
- (ii) The mean ( $\bar{x}$ ) and the standard deviation ( $\sigma$ ) of marks obtained of all the students in a course shall be calculated and used to convert the marks obtained ( $m$ ) by a student into grades. The structure of grading will be as given in \* Refer scheme of teaching and examinations of M.Tech Program.

**Table 4: Structure for Grading of Academic Performance**

Letter grade	Numerical grade	Formula	Computation of grade cut off
O (Outstanding)	10	$m \geq \bar{x} + 1.5 \sigma$	The value of $\bar{x} + 1.5\sigma$ to be taken into account for grade computation. The grade cut off will be $\bar{x} + 1.5\sigma$ or 91% whichever is lower
A+ (Excellent)	9	$\bar{x} + 1.0 \sigma \leq m < \bar{x} + 1.5 \sigma$	The value of $\bar{x} + 1.0\sigma$ to be taken into account for grade computation. The grade cut off will be $\bar{x} + 1.0\sigma$ or 82% whichever is lower
A (Very Good)	8	$\bar{x} + 0.5 \sigma \leq m < \bar{x} + 1.0 \sigma$	The value of $\bar{x} + 0.5\sigma$ to be taken into account for grade computation. The grade cut off will be $\bar{x} + 0.5\sigma$ or 73% whichever is lower
B+ (Good)	7	$\bar{x} + 0.0 \sigma \leq m < \bar{x} + 0.5 \sigma$	The value of $\bar{x} + 0.0\sigma$ to be taken into account for grade computation. The grade cut off will be $\bar{x} + 0.0\sigma$ or 64% whichever is lower
B (Above average)	6	$\bar{x} - 0.5 \sigma \leq m < \bar{x} + 0.0 \sigma$	The value of $\bar{x} - 0.5\sigma$ to be taken into account for grade computation. The grade cut off will be $\bar{x} - 0.5\sigma$ or 55% whichever is lower
C (Average)	5	$\bar{x} - 1.0 \sigma \leq m < \bar{x} - 0.5 \sigma$	The value of $\bar{x} - 1.0\sigma$ to be taken into account for grade computation. The grade cut off will be $\bar{x} - 1.0\sigma$ or 46% whichever is lower
P (Pass)	4	$35 \leq m < \bar{x} - 1.0 \sigma$	The lower grade cut off will be 35%
F (Fail)	0	$m < 35$	Less than 35%

In those subjects, where the total number of students is upto 30, the results in Grades shall be prepared on the basis of the actual performance of the student in the percentage scale and not on the basis of the formula approved for computation of grades.

- (iii) The following are the general guidelines for the award of grades:
- (a) All evaluations of different components of a course shall be done in marks for each student. The marks of various components shall be reduced to approve weights as given in Scheme of teaching and examination and added up to get total marks secured on a 100-Point scale. The rounding off shall be done only once and on the higher side.
  - (b) The method suggested in Table 4 shall be used for the award of grades with or without marginal adjustment for natural cut-offs. The provisional grades shall be awarded by the Coordination Committee of the course consisting of all the teachers involved in that course. The course coordinator shall have full responsibility for this purpose. The grades so awarded shall be moderated by grade moderation committee of the respective Department/School.
  - (c) For a student to get passing grade, he / she will have to appear in End-Term Examination.
- (iv) The award of 'F' Grade
- (a) The 'F' grades denote poor performance, i.e. failing course. 'F' grade is also awarded in case of poor attendance (see attendance Rules). 'F' grade secured in any course stays permanently on the grade card. The weight of 'F' grade is not counted in the calculation of the CGPA however, it is counted in the calculation of the SGPA.
  - (b) In case a student is awarded 'F' Grade in a Core paper, the student has to repeat the course either in the summer semester or in subsequent semester, when it is offered. The students having 'F' grade in a subject in either or both odd and even semesters, at the end of current Academic Year shall be allowed to register for summer semester. This provision shall also be applicable to those students who have been detained from appearing in final examinations due to shortage of attendance/ whose results have not been declared due to their involvement in use of unfair means during the examinations. The detailed guidelines for summer semester are given in **Annexure -3**
  - (c) In case a student is awarded 'F' grade in an Elective paper, the student may take the same course or any other course from the same category in the subsequent semester.
  - (d) In case a student is awarded a failing grade in the major / minor project, he/she shall have to repeat the course in the form of a new project. Such a student will have to work full time on the project for a minimum period of four months.
- (v) The award of 'I' grade
- This refers to an 'incomplete' grade which is required to be converted into a regular letter grade. The guidelines for the award of 'I' grade is as follows:
- (a) If a student is absent during End-Term Examination of a course due to medical reasons or other special circumstances, he / she may apply for the award of 'I' grade to the COE through the Course Coordinator, provided that he / she has not been disqualified due to shortage of attendance. The concerned course coordinator shall have to be convinced about the extraordinary circumstances and shall have to certify the attendance record before this rarely used option to award 'I' grade is recommended.
  - (b) The 'I' grade so awarded shall be notified by the COE.
  - (c) The 'I' grade shall be converted into a proper letter grade and shall be sent to the COE after make up examination is over and the requirements of the course are completed by the student.



- (d) In extra ordinary circumstances, the period of conversion of 'I' grade may be extended to the next semester, with the approval of the Dean (UG)/Dean (PG) on his own or on the recommendation of the Course Coordinator and the Head of the Department(s)/School(s).
- (e) In extra-ordinary circumstances, on the recommendation of the Dean (UG)/ Dean (PG), the Vice Chancellor may order the award of 'I' grade to a student/class or a batch of students taking a particular course. The conversion of 'I' grade into a regular grade or any other action shall be as per the approval of the Vice-Chancellor.
- (vi) The letter grades awarded to a student in all the courses shall be converted into a semester and cumulative performance index called the Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA), to be calculated as given below:

$$S.G.P.A. = \frac{\sum_{i=1}^n C_i \times P_i}{\sum_{i=1}^n C_i}$$

Where, Ci= Number of Credits of the ith course of a semester for which SGPA is to be calculated Pi= Grade Point obtained in ith course. i=1, .....n, represent the number of course in which a student is registered in the concerned semester.

$$C.G.P.A. = \frac{\sum_{i=1}^m C_i \times P_i}{\sum_{i=1}^m C_i}$$

Where, Ci = Number of Credits of the ith course of a semester.

Pi = Grade Point obtained in ith course. A grade lower than 'P' (i.e. grade point < 4) in a course shall not be taken into account.

i=1, ..... m, represent the number of courses in which a student was registered and obtained a grade not lower than 'P' upto that semester for which CGPA is to be calculated.

- (vii) At the end of the program, a student with CGPA of 8.0 and above shall be awarded 'First Division with Distinction' and a student with CGPA between 6.0 and 8.0 shall be awarded "First Division".
- (vii) All the passing out students of a class shall be given ranks as **"Rank XXX in a class of YYY Students"**.

#### **R. 1(B).18 Grade Moderation Committee:**

- (i) The BoS of academic department(s)/School(s) will constitute the Grade Moderation Committee for all the Academic Courses under its purview. The Head of the Department/School shall be the Chairman of the committee, and other members shall consist of two Professors, two Associate Professors and two Assistant Professors of the department. This committee shall be responsible for adherence to the guidelines for the award of grades and shall include all the concerned Course Coordinators. The Chairman, Grade Moderation Committee shall be responsible for the display of grades in the department and for forwarding the final grades to the COE. The Chairman, Grade Moderation Committees shall also send the record-copies of the marks and the grades along with the statistical parameters for all the courses moderated to the COE. One copy of distribution of marks shall be sent to the COE along with grades by the Chairman, Grade Moderation Committee. The general guidelines for the moderation of grades are as follows:
  - (a) The date of moderation shall be made a part of the Academic Calendar of the University.
  - (b) Two-tier moderation be adopted, both for the subject and for the Semester (SGPA, CGPA), Minor adjustment shall be possible during moderation, particularly in the marginal cases. The Chairman, Grade moderation committee shall invariably retain a copy of the grades sent to Examination Section so that CGPAs may be calculated without having to make a reference to the Examination Section for this purpose



- (c) All concerned faculty members should invariably be present for the moderation committee meeting. In case a faculty member is going out on University duty, he/she shall hand over his/her inputs for moderation with a colleague, who shall present it, in the meeting.

**R. 1(B).19 Scrutiny of Grades, Tabulation and Declaration of Results:**

- (i) A student may apply for scrutiny of grades to the Head of the Department/School, within three days from the date of display of grades. The Grade Moderation Committee and the Course Coordinator may check the entry of the weights from different components of evaluation and their addition. The results of scrutiny may lead to either a change in grade due to mistake(s) in any of the aspects scrutinized by the committee or the grade may remain unchanged. The results will be intimated to the COE within three days from the date of receiving the application in the department/school as per academic calendar.
- (ii) In exceptional circumstances the grade(s) of a student or a number of students may be scrutinized by a committee constituted by the VC.
- (iii) The COE shall organize the tabulation of grades and declaration of results. COE shall be the custodian of records related to examinations and results.

**R. 1(B).20 Earned Minimum Credits and Minimum CGPA for the Degree:**

- (i) The credits for the courses in which a student has obtained 'P' (minimum passing grade for a course) grade or higher shall be counted as Credit Earned by him/her. A student, who has earned the required number of credits as specified in the curriculum he/she is registered for, is eligible for the award of the respective degree.

**R. 1(B).21 Unfair Means**

In case a student is found adopting or suspected of adopting unfair means before, during or after the examination, or lifting or copying of work(s) of someone else and inserting it in his class work submissions, Project, Dissertation etc. without proper acknowledgement, credit and reference, such penal action shall be taken by the University against the student as may be necessary and adequate to uphold the sanctity and integrity of the examination system and the credibility of the University. The general guidelines for a penal action for use of unfair means shall be prescribed at Annexure-4. All the cases regarding use of unfair means practices in the examinations shall be reported and placed before the "Unfair Means Scrutiny Committee". The composition of the Unfair Means Scrutiny Committee shall be as follows: Dean (UG) (Chairperson), Dean (PG), DSW, Head of the concerned Department/School, Associate Dean/DR Academic (UG), Associate Dean/DR Academic (PG) (Members) and COE (Convener). The COE shall convene the meeting of Unfair Means Scrutiny Committee from time to time as per requirement.

**R. 1(B).22 Attendance, Absence, Leave and Withdrawals:**

- (i) All the students of UG/ PG programs are expected to attend every lecture, tutorial, practical or design studio class scheduled for them.
- (ii) The students of UG/ PG program must have a minimum attendance of 75% of the total number of classes including lectures, tutorials and practicals, held in a subject in order to be eligible to appear at the End-Term Examination for that subject.

- (iii) The Dean (UG)/ Dean (PG), authorized by the Vice Chancellor for this purpose may relax the minimum attendance upto 10% for reasons to be recorded. This relaxation may be granted on production of documents showing that the student was either busy in the authorized activities or suffering from any disease. The student should submit these documents to the Dean (UG)/ Dean (PG) through Chairman, BoS within seven days of resuming the studies.
- (iv) Under exceptional circumstances, the Vice Chancellor may further relax the minimum attendance upto 5%.
- (v) Attendance of the students shall be monitored and displayed during a semester as per the guidelines issued by the Dean (UG)/ Dean (PG).

#### **R. 1(B).23 Make-up Examinations on Medical / Extra Ordinary Ground:**

Students who have missed the Mid-Term Examinations and/or End-Term Examinations of a course(s) due to medical reasons or other special circumstance may be considered for a Make-up Examination on the clear cut recommendations of HOD considering the merit of the case. In case of End-Term Examinations Make-up Examinations will be allowed only if a student has not been disqualified earlier, due to shortage of attendance. The student shall make an application to the HOD, within ten working days from the date of the examination missed, explaining the reasons for his/her absence. Applications received after this period will not be entertained. The HOD shall forward all applications with his/her recommendations to COE who in turn shall seek approval from Dean (UG)/ Dean (PG). Further, there will be no make-up of the Make-up Examinations

#### **R. 1(B).24 Withdrawal**

##### **(a) Withdrawal from Course**

A student who wants to withdraw from a course shall apply through the HOD to the COE within one week from the end of the Mid-Term Examination under the advice of his/her Program Advisor. If his/her request for withdrawal is granted, it will be recorded in the registration record of the student and the concerned Course Coordinator will be informed about it. The student will be awarded a withdrawal grade at the end of the semester.

##### **(b) Semester Withdrawal:**

In case a student is unable to attend classes for more than four weeks in a semester he/she may apply to the COE through HOD, for withdrawal from the semester, which shall mean withdrawal from all the registered courses in the semester. However, such application shall be made under the advice of the Program Advisor, as early as possible and latest before the start of the End-Term Examination. Partial withdrawal from the semester shall not be allowed.

#### **R. 1(B).25 Termination of Enrolment:**

##### **(i) Due to Absence:**

If a student registered in the first year of the program is continuously absent from the classes for more than four weeks without informing the Course Coordinators, the Coordinator shall immediately bring it to the notice of HOD of the concerned department/school for informing the COE. The names of such students shall be removed from the University rolls and such absence during first year will render the student ineligible for re-admission.

**(ii) On Academic Grounds:**

- (a) The enrolment of a student in a program shall stand terminated if he/she fails to earn 30% of prescribed credits in first year, as specified in the Scheme of teaching and examinations, at the end of first year.
- (b) The enrolment of a student shall stand cancelled on completion of maximum duration from the date of initial registration in the program.
- (c) A student whose enrolment has been terminated may appeal to the Vice Chancellor for reconsideration within fifteen days from the date of issuance of the communication of termination. If the appeal is allowed, his/her registration and enrolment shall be restored.

**R. 1(B).26 Scholarship, Prizes, Medals and Merit Certificate:**

- (i) The University shall award the merit-cum-means (MCM) scholarships, University free studentship, SC/ST category University scholarship and other scholarships, award and prizes to the student of UG programs as may be approved by the AC/BoM. Other scholarships may be awarded by the University from the grant from individuals, trusts, organizations and the Governments with a view to provide financial assistance to needy students under the terms and conditions specified by the University. Announcements on these scholarships stating eligibility and the value of scholarships etc. shall be made by the University while inviting applications from time to time.
- (ii) Those students, who have been punished for unfair means during MTE or ETE or in Seminars/ project/ etc. or for serious act of indiscipline shall not be awarded Merit-cum Means Scholarship and other trust scholarship or Medals, Prizes and awards for that academic session only.
- (iii) Student may draw scholarships from outside sources only if permitted by Dean (UG)/ Dean (PG).

**R. 1(B).27 Phasing out of a Program:**

The phasing out of a program may be considered by the AC on the recommendation of the BoS. Also, a program may be phased out by the AC if, consecutively for three years, the number of students registering for the program is less than 40% of the sanctioned intake of the students.

**R. 1(B).28 Interpretation of Regulations:**

In case of any dispute, difference of opinion in interpretation of these Regulations or any other matter not covered in these Regulations, the decision of the Chairman, AC shall be final and binding.

**R. 1(B).29 Emergent Cases:**

Notwithstanding anything contained in the above Regulations, the Chairman of the AC may, in emergent situation, take such action including insertion, suspension or modification of any Regulation(s) on behalf of the AC as he/she deems appropriate and report it to the next meeting of the AC for its approval.

**Guidelines for semester away program for course work/project work involving mobility of DTU****Program wise Eligibility:**

UG programs of 4 Year duration	(i) Complete 4 Semester stay at DTU (ii) CGPA $\geq 7.0$ (At the time of application) without any backlog (iii) No Disciplinary Action initiated OR should not be within the Disciplinary Action period.
UG programs of 3 Year duration	(i) Complete 2 Semester stay at DTU (ii) CGPA $\geq 7.0$ (At the time of application) without any backlog (iii) No Disciplinary Action initiated OR should not be within the Disciplinary Action period.
PG programs of 2 Year duration	(i) Complete 2 Semester stay at DTU (ii) CGPA $\geq 7.0$ (At the time of application) without any backlog (iii) No Disciplinary Action initiated OR should not be within the Disciplinary Action period.

**Selection of Host Institution:**

Dean International Affairs (IA) DTU will be the nodal officer for selection of the host institution with the approval of Vice Chancellor.

**Subject Selection:**

- (i) Students shall be allowed to register equivalent credits ranging over 8 – 20 (upper and lower limits)
- (ii) Student shall prepare a table showing subjects to be registered in the host institution and their equivalent subjects at Delhi Technological University. Subjects at host institution can be selected against elective courses (DEC/GEC/OEC). The above Table must also list the remaining subjects of the curriculum, belonging to the semester planned under the program, along with a time line plan for completing these remaining subjects.
- (iii) Students shall register the courses in semester away program against the quota of courses from Department Electives, General Electives and Open Electives. All the core courses should be completed within their prescribed schedule at Delhi Technological University.
- (iv) The equivalent subjects may be chosen from the subject list belonging to the semester planned for mobility under the program as well as to the subsequent semester of the Academic Curriculum being followed at Delhi Technological University, without violating the prerequisite condition.

**Financial Support:**

DTU shall not provide any financial support for the Program. Student shall have to obtain a letter of Financial Support for the Program from Parents/Funding Agency.

**Procedure:** A Student shall submit the application to the office of Dean International Affairs (IA) in the prescribed format available on Delhi Technological University website along with all the attachments.

- (i) Application Deadline: 31st July for Even Semester and 31st January for Odd Semester.
- (ii) Further details of the procedure may be
- (iii) Dean IA will send the application to respective HoD of the departments to evaluate the courses, their equivalence and other parts of the application. The HoD may appoint a faculty coordinator for this purpose.
- (iv) Dean IA will call the meeting of the Equivalence Committee to consider the applications and make recommendation.  
The Equivalence Committee shall consist of

- (a) Pro VC or Dean nominated by the Vice Chancellor
- (b) Dean (IA) Member Secretary
- (c) Dean UG
- (d) Dean PG
- (e) HoD of the concerned Department

The Equivalence committee shall also decide the credit which shall be credited to students on successful completion of semester abroad.

- (v) Office of International Affairs will extend the support to:
  - (a) Help student in formal application process.
  - (b) Help in identifying a mentor in the Host Institution
  - (c) Communicate and finalize the process of grade submission by the Host Institution and
  - (d) May issue "No Objection Certificate (NOC)" for Visa Application.
- (vi) On acceptance by the Host institution, student will formally informed by the Office of International Affairs about the exact date of the commencement of the program.
- (vii) Dean IA will report the cases to the academic council.
- (viii) While at the Host institution, the student will inform the Dean IA of any deviation from the approved subject list, and get the changes approved by Dean IA. Dean IA may refer the matter to Equivalence Committee, if needed.
- (ix) Remain in touch with the Mentor at the Host institution.
- (x) Adhere to the approved schedule for reporting back to DTU.

For doing project/research work at a Host institution the onus of finding a guide rests with the student. It also needs the concurrence of the project guide at DTU if they wish to submit their work done abroad towards their degree and get credits for it.

#### Miscellaneous

Special Selection Criteria	In the cases where MoU between DTU and the Host Institution limits the number of applications, the decision will be based on the CGPA. i.e the applicant with a higher CGPA will be given preference.
Tuition Fee	<ul style="list-style-type: none"> <li>(a) The student has to pay Full Fee here at DTU only if she/he is travelling to a Host Institution with which DTU has a MoU, under which the tuition fee is waived/subsidized at the Host Institution.</li> <li>(b) The student has to pay 50% of the tuition fee (for that semester) in addition to other components of fees here at DTU if the student pays Tuition Fee at the MoU/Non-MoU Host Institution. A payment certificate from the Host Institution will be needed for the purpose of claiming the reimbursement of the said 50% tuition fee.</li> </ul>
Hostel and Mess Fee at DTU	<ul style="list-style-type: none"> <li>(a) The student need to pay Hotel Charges for the period of absence from DTU provided he/she is allowed to retain the hostel room.</li> <li>(b) The student need not pay Mess Charges for the period of absence from DTU.</li> </ul>

#### ***For M.Tech. students with AICTE/other fellowship(s):***

The student may continue to draw AICTE/other fellowship if the stay is not fully funded by the Host Institute/Funding Agency.



## Scheme of Evaluation for the courses of all Programmes

S. No.	Course Credits	Course Type			Examination		Relative Weights				
		L	T	P/ST	TH	PR/ST	CWS	PRS/STS/CMS	MTE	ETE/EME	PRE/STE
1	2	2	0	0	Yes	No	25	--	25	50	--
2	3	3	0	0							
3	3	2	1	0							
4	4	4	0	0							
5	4	3	1	0							
6	6	5	1	0							
7	2	1	0	2	Yes	No	15	25	20	40	--
8	4	3	0	2							
9	4	2	1	2							
10	4	2	0	4							
11	4	1	0	6							
12	4	0	1	6							
13	2	0	0	3	No	Yes	--	50	--	--	50
14	2	0	0	4							
15	3	1	0	4							
16	3	0	0	6							
17	4	0	1	6							
18	2	1	1	0	Yes	No	--	50	--	50	--
19	2	1	0	2							
20	2/4/6/8/16	Minor Project/ Major Project/ Design Project/ Thesis/ Dissertation			No	Yes	--	40	--	--	60
21	2/3/4/5	Summer Internship/ Industrial Training/ Seminar / Comprehensive Viva/ Term Project/ Design Degree Show/ Skill Workshop/ Capstone Project/ Action Learning									
22	4	0	1	6							
		Jury									



**Guidelines for the summer Semester Courses**

1. A student will be allowed to register a maximum of 16 credits inclusive of odd and even semester courses.
2. Only common courses (First year), departmental core courses (DCC) and allied engineering courses (AEC) will be offered in summer semester.
3. The duration of the summer semester will be 45 days. Each course will be given contact hours (LTP) as prescribed in syllabus for that course.
4. Regular class room teaching will be conducted only for those courses where minimum number of registered students is 5% of approved intake or 15 whichever is less.
5. Examinations will be conducted as per summer semester calendar.
6. A student will be allowed to appear in the end semester examinations of summer semester, for the course(s) registered, only if s/he fulfils the attendance criterion for appearing in examination as per regulation R. 1(B).22 sufficient percentage of attendance.
7. Registration cum examination fee will be Rs. (5000/- + 500/-) per course. Students will be allowed to register for courses only after depositing the requisite fee.
8. Registration in summer semester course(s) will be offered only w.e.f AY 2020-21 batches **and the provision of supplementary exam will be dropped.**
9. Power to remove difficulties: If any difficulty arises in giving effect to the provisions of these guidelines, the Vice Chancellor may, make such provisions, not inconsistent with the provisions in these guidelines, as appear to be necessary or expedient for removing the difficulty

**Annexure -4****Instruction for Penalty for Use of Unfair Means**

1. The main instruction for the conduct of a student in the examination hall shall be printed on the cover page of the answer sheets. Any contravention of these instructions and the use any unfair means will render the student liable for punishment.
2. As soon as student is suspected by the invigilator having resorted to unfair means, his/her answer book shall be seized. The paper etc. duly signed by the invigilator found in possession of the student shall be attached with answer-book in his/her present. The student shall then be asked to complete part II of the prescribed form and sign it. This form shall then be endorsed by the Invigilator.
3. After completing all the above formalities, a fresh answer-book shall be given to the student for completing the examination.
4. After a particular examination is over, these answer-books (duly marked I, II) shall or delivered separately to the COE together with the report form duly completed in all respects.
5. All the cases reported in the category of unfair means shall be forwarded to the unfair means scrutiny committee which will inquire into them and submit its recommendation after laying down clearly the nature of the offence listed below to the Vice-Chancellor for consideration and necessary orders.
6. The action as given in table may be taken for different categories of offense under these Regulations.

## Penalty for use of Unfair Means

CATEGORY	NATURE OF ACT	PUNISHMENT TO BE IMPOSED
I	<ul style="list-style-type: none"> <li>Found talking to another student during the examination hours.</li> <li>Found talking to a person outside the examination hall.</li> <li>Changing seat in the examination hall without permission.</li> <li>Committing any breach of any direction given to the student.</li> <li>Attempt to influence the examiner by an appeal in the answer-book.</li> <li>Writing either the questions or solutions thereof on the question paper.</li> </ul>	Warning with undertaking by the Student that S/he will not repeat such act during entire duration of the programme.
II	<ul style="list-style-type: none"> <li>Possession of cell phone or any other item of such type of communication in examination hall.</li> <li>Intentionally tearing off the Answer Book/a part thereof or a continuation sheet.</li> <li>Misbehaving with the Superintendent / Invigilator/staff on duty or with any other candidate in or around the Examination Centre before, during or after the examination.</li> <li>Leaving the examination room without the permission or without handing over the answer book or without signing the attendance sheet.</li> <li>Found in possession of any written or Xerox notes or any printed materials or notes written on any part of the body/clothing or instruments or electronic device etc. or having notes written on University Furniture or drawing board or cover of the calculator etc which could be helpful to him/her in answering the paper or could be helpful to another candidate in that Examination Hall.</li> <li>Using abusive or obscene language in the answer book.</li> <li>Copying or copied from any paper, book or note written on any part of his/her clothing or body or Furniture or instruments or Mobile phone or any other Electronic gadgets etc.</li> <li>Consulting notes or books while being outside the examination hall during examination hours.</li> <li>Allowed any other candidate to copy from his/her answer-book.</li> </ul>	<p><b>Mid Term Examination</b></p> <p>The Examination of the concerned paper to be cancelled and to be awarded ZERO marks in the concerned paper.</p> <p><b>End Term Examination</b></p> <p>The Examination of the concerned paper to be cancelled and to be awarded 'F' grade.</p> <p>The student shall be allowed to reregister for the cancelled paper in next academic year only.</p>
	<ul style="list-style-type: none"> <li>Smuggling in an answer -book or part of it, taking out or arranging to send out an answer-book or part of it.</li> <li>Communicating or attempting to communicate directly or through someone else with the examiner or anybody</li> </ul>	<p><b>Mid Term Examination</b></p> <p>All the papers of the Mid Term Exam to be cancelled and to be awarded ZERO marks in all the papers.</p>

III	<p>connected with the University examination for influencing them regarding the award of marks.</p> <ul style="list-style-type: none"> <li>Replacing his / her answer book or any page or continuation sheet with any other unauthorized book, page or continuation sheet during the course of examination.</li> <li>Found in possession of an answer- book of some other student</li> </ul>	
	<ul style="list-style-type: none"> <li>On being challenged /searched by the Superintendent, Invigilator or a staff on duty, swallows a note/ paper or runs with it or is guilty of causing disappearance or destroying any such material possessed by him/her.</li> <li>Guilty of Writing deliberately another students' roll no. in his/her answer book.</li> </ul>	<p><b>End Term Examination</b> All the papers of the End Term Exam to be cancelled and to be awarded 'F' grade in all the papers &amp; shall re-register for all papers in next academic year only.</p>
IV	<ul style="list-style-type: none"> <li>Gross misbehavior i.e. threatening with physical force to Superintendent, the Invigilator/ staff on duty working at the Examination Centre with any other candidate in or around the Examination Centre, before, during or after the Examination.</li> <li>Disturbs the examination or attempts to do so</li> <li>Impersonating for any other candidate in any examinations</li> <li>Student is accused of Impersonation i.e. he /she managed to send somebody else in his / her place to take the examination.</li> <li>Found guilty of serious misconduct in the examination hall.</li> </ul>	<p>All examinations of that Semester to be cancelled.</p> <p>The Student is not allowed to register in the immediate succeeding semester. The student shall register for the cancelled semester in the next academic year only . e.g. if a student is booked for UFM in 3rd semester</p> <ul style="list-style-type: none"> <li>All papers of 3rd semester to be cancelled.</li> <li>S/he can not register for 4th semester.</li> <li>S/he shall re-register for 3rd semester in the next academic year only.</li> </ul>
V	<ul style="list-style-type: none"> <li>Cases not covered under Category I to Category IV.</li> </ul>	<p>To be decided by the Vice Chancellor on the recommendation of UFMSC</p>

**Note:**

- These Rules shall be applicable w.e.f. the date of notification to all the students of the University irrespective of the year of admission to which he/she belongs.
- In these Regulations the year means the academic year.
- In case of extenuating circumstances, the above punishment may be reduced by the Vice Chancellor depending upon the merits of the case.
- If student repeats any of the act as prescribed in various categories the act, the level of punishment may be raised to next level.

## Schemes of Teaching and Examination B.Tech. Program (First Year)

### Preamble

The University offers B.Tech. programs leading to Bachelor of Technology degree in 14 disciplines(**Table-1**). The Academic Departments offer courses to the students of various disciplines. Academic curricula are so devised that a student of one discipline can take some courses of other disciplines offering choice based credit system (CBCS). Such flexibility helps a student to develop his/her core competence together with the interdisciplinary skills in the area of his/her interest.

**Table-1. B.Tech. Programs**

S. No.	Department	Academic Program	Code
1.	Biotechnology	B. Tech. (Biotechnology)	BT
2.	Civil Engineering	B. Tech. (Civil Engineering)	CE
3.	Computer Science & Engineering	B. Tech. (Computer Science and Engineering)	CS
4.	Applied Chemistry	B. Tech. (Chemical Engineering)	CH
5.	Electrical Engineering	B. Tech. (Electrical Engineering)	EE
6.	Electronics & Communication Engineering	B.Tech. (Electronics & Communication Engineering)	EC
7.	Environmental Engineering	B. Tech. (Environmental Engineering)	EN
8.	Applied Physics	B. Tech. (Engineering Physics)	EP
9.	Information Technology	B. Tech. (Information Technology)	IT
10.	Mechanical Engineering	B. Tech. (Mechanical Engineering)	ME
11.	Mechanical Engineering	B. Tech. (Mechanical Engineering with specialization in Automotive Engineering)	AE
12.	Applied Mathematics	B. Tech. (Mathematics and Computing)	MC
13.	Mechanical Engineering	B. Tech. (Production and Industrial Engineering)	PE
14.	Software Engineering	B. Tech. (Software Engineering)	SE

### Structure of four year B. Tech. program

The four year B. Tech. program comprises of courses divided in eight distinct areas, namely: Basic Sciences (BSC), Engineering Science (ESC), Discipline Specific Core Course (DCC), Discipline Specific Elective Course(DEC), Generic Elective (GEC), Ability Enhancement (AEC), Skill Enhancement (SEC) and value Addition Courses (VAC).

### Basic Sciences and Mathematics Courses (BSC)

The Basic Sciences and Mathematics Courses consist of courses considered essential for a B.Tech. program to build the foundation for learning of engineering core courses.



### **Engineering Science Courses (ESC)**

The students are required to complete a minimum number of engineering science courses offered by engineering departments other than his/her parent department. These courses expose the student with wide spectrum knowledge of allied engineering domain connected to the main engineering stream of the course of study of the students of concerned departments.

### **Discipline Specific Core Course (DCC)**

The departmental core consists of mandatory courses considered essential for a chosen engineering/science discipline including, engineering design, seminar, industrial training and project. The industrial training of duration 6-10 weeks shall be undertaken by every student in the summer vacation after sixth semester.

### **Elective Courses**

The students are required to complete a specific number of elective courses. Every department offers a wide variety of elective courses to students providing them opportunity to discover their academic interest and enhance their engagement in learning process. The elective courses are categorized as Departmental Elective Courses (DEC), Generic Elective Courses (GEC), Ability Enhancement Courses and Value Addition courses (VAC).

### **Discipline Specific Elective Course (DEC)**

A wide range of elective courses is available with each program. When a student opts elective courses offered in his/her program it will be termed as DEC.

### **Generic Elective Courses (GEC)**

When student of a particular branch opts for a DEC/DCCs being offered by other departments this elective will be termed as Generic elective (GEC) for him/her.

To promote research, innovation and entrepreneurship among the undergraduate students three different tracks in elective courses are also offered namely (a) Research Project (b) Mini Project (c) Entrepreneurship and venture development.

### **Research Project (Elective)**

A Student may register for the Research Project Elective Course of 04 credits in Fifth Semester against a DEC/GEC. The idea of this course is to develop analytical skills and critical thinking among the students. The outcome of the research would be considered for the award of credits based upon published work in journals as listed in details Guidelines. On successful completion of Research Project (Elective) a student shall be eligible for direct admission to PhD program after obtaining B.Tech degree provided he/she fulfils all the conditions outlined in notification no.F...105/Acad-PG/Admission/2020-21IRD/2818(A) regarding direct admission to PhD program for DTU full time B.Tech students.

### **Mini Project (Elective)**

The aim of the mini project is to enable the students to apply knowledge to address real-world situations problems and find their solution. A student may register for a mini project elective in the fifth semester against DEC/ GEC courses. The students will be required to produce and present a working prototype at the end of the course.

### **Entrepreneurship and venture development (Elective)**

The aim of the entrepreneurship and venture development track is to help students to build-up entrepreneurial skill and encourage the startup culture in the University. A student may register for this elective in fifth semester against a DEC/GEC.

### **Ability Enhancement Courses (AEC)**

The AECs aim at enabling the students to acquire linguistic skills including critical reading and expository and academic writing skills with special emphasis on communication skills. These courses emphasize on the development and enhancement of skills such as communication, ability to participate/conduct discussion and debate.

### **Value Addition courses (VAC)**

The VACs are value based courses which are meant to inculcate ethics, culture, constitution values, soft skill, sports education, environment Science/education and such similar values which will help in all round development of students.

### **Course Coding**

A course is identified by a course code designated by a string of alpha-numeric characters and a course title. In a course code, first two letters of the string indicate the Academic Department/Program code offering the course and the last three numbers designate particular course.

### **Course Number**

For all the courses, the first digit corresponds to the level (year) at which a course is normally offered. The last two digits denote the number of the course, which will usually be odd for courses offered in the Odd Semester and even for courses in the Even Semester. For example, the course, "Circuit and Field Theory", offered to Electrical Engineering students in second semester 'Even Semester' is numbered as Ee102.

### **Teaching Engagements**

Every course maintains a teaching schedule for which weekly contact hours are decided for delivering lectures (L), engaging tutorials (T) and/or performing practicals(P) to make learning in a course more effective. In the syllabi, the information regarding number of course credits and contact hours per week is denoted as: **Credits (L – T – P); 4 (3 – 1–0).**

**UG certificate :** Students who opt to exit after completion of the first year and have secured 40 credits will be awarded a UG certificate if, in addition, they earn 6 credits through 2 months summer internship/ ITI level courses/skill based courses during the summer vacation of the first year. Also, these students will be allowed to re-enter the degree programme within three years and complete the degree programme within the stipulated maximum period of seven years, subject to the condition that the concerned student will be allowed to exit and re-enter the degree program only once. Further, only students of DTU are allowed to re-enter the degree programme within the stipulated period

## BACHELOR OF TECHNOLOGY (Chemical Engineering)

### I Year: First Semester

Teaching Scheme					Contact Hours/Week			Exam Duration (h)		Relative Weights (%)				
S. No.	Subject Code	Course Title	Subject Area	Credit	L	T	P	Theory	Practical	CWS	PRS	MTE	ETE	PRE
1	AM101	Mathematics - I	BSC	4	3	1	0	3	0	25	-	25	50	-
2	AP101	Physics	BSC	4	3	0	2	3	0	15	25	20	40	-
3	EE105	Basic Electrical Engineering-II	ESC	4	3	0	2	3	0	15	25	20	40	-
4	ME101	Computer Aided Engineering Graphics-I	ESC	4	3	0	2	3	0	15	25	20	40	-
5	CH103	Unit Process in Chemical Synthesis-I	SEC	2	1	0	2	0	3	-	50	-	-	50
6	AEC/ VAC	AEC-1/VAC-1	AEC/ VAC	2	2/1 /0	0	0/2/ 4	2/2 /0	0/0 /3	25/ 15/ 0	0/25 /50	25/ 20/0	50/ 40/0	0/0 /50
<b>Total</b>				<b>20</b>										
<b>I Year: Second Semester</b>														
1	AM102	Mathematics-II	BSC	4	3	1	0	3	0	25	-	25	50	-
2	CO102	Programming Fundamentals	ESC	4	3	0	2	3	0	15	25	20	40	-
3	CH102	Mechanical Engineering Concepts for Chemical Engineers	ESC	4	3	0	2	3	0	15	25	20	40	-
4	CH104	Introduction to Chemical Engineering	DCC	4	3	1	0	3	0	25	-	25	50	-
5	CH106	Unit Process in Chemical Synthesis-II	SEC	2	1	0	2	0	3	-	50	-	-	50
6	AEC/ VAC	AEC-2/VAC-2	AEC/ VAC	2	2/1 /0	0	0/2/ 4	2/2 /0	0/0 /3	25/ 15/ 0	0/25 /50	25/ 20/0	50/ 40/0	0/0 /50
<b>Total</b>				<b>20</b>										

Additional 02 credits are to be earned from mandatory community engagement course in first year to fulfil the requirement of award of the four year B.Tech Degree.

# BACHELOR OF TECHNOLOGY

## Mathematics and Computing

### I Year: First Semester

Teaching Scheme					Contact Hours/Week			Exam Duration (h)		Relative Weights (%)				
S. No.	Subject Code	Course Title	Subject Area	Credit	L	T	P	Theory	Practical	CWS	PRS	MTE	ETE	PRE
1	AM101	Mathematics – I	BSC	4	3	1	0	3	0	25	-	25	50	-
2	AP101	Physics	BSC	4	3	0	2	3	0	15	25	20	40	-
3	EC101	Basic Electronics & Communication Engineering	ESC	4	3	0	2	3	0	15	25	20	40	-
4	ME105	Computer Aided Engineering Graphics-2	ESC	4	3	0	2	3	0	15	25	20	40	-
5	MC103	Python Programming	SEC	2	0	0	4	0	3	-	50	-	-	50
6	AEC/VAC	AEC-1/VAC-1	AEC/VAC	2	2/1/0	0	0/2/4	2/2/0	0/0/3	25/15/0	0/25/50	25/20/0	50/40/0	0/0/50
<b>Total</b>				<b>20</b>										

  

I Year: Second Semester														
1	AM102	Mathematics-II	BSC	4	3	1	0	3	0	25	-	25	50	-
2	CO102	Programming Fundamentals	ESC	4	3	0	2	3	0	15	25	20	40	-
3	MC102	Discrete Structure	ESC	4	3	1	0	3	0	25	-	25	50	-
4	MC104	Complex Analysis	DCC	4	3	1	0	3	0	25	-	25	50	-
5	MC106	MATLAB Programming	SEC	2	0	0	4	0	3	0	50	-	-	50
6	AEC/VAC	AEC-2/VAC-2	AEC/VAC	2	2/1/0	0	0/2/4	2/2/0	0/0/3	25/15/0	0/25/50	25/20/0	50/40/0	0/0/50
<b>Total</b>				<b>20</b>										

Additional 02 credits are to be earned from mandatory community engagement course in first year to fulfil the requirement of award of the four year B.Tech Degree.

**BACHELOR OF TECHNOLOGY**  
**Engineering Physics**  
**I Year: First Semester**

Teaching Scheme					Contact Hours/Week			Exam Duration (h)		Relative Weights (%)				
S. No.	Subject Code	Course Title	Subject Area	Credit	L	T	P	Theory	Practical	CWS	PRS	MTE	ETE	PRE
1	AM101	Mathematics – I	BSC	4	3	1	0	3	0	25	-	25	50	-
2	AP101	Physics	BSC	4	3	0	2	3	0	15	25	20	40	-
3	EE105	Basic Electrical Engineering II	ESC	4	3	0	2	3	0	15	25	20	40	-
4	AC101	Applied Chemistry	BSC	4	3	0	2	3	0	15	25	20	40	-
5	EP103	Engineering Physics Workshop-I	SEC	2	1	0	2	0	3	-	50	-	-	50
6	AEC/ VAC	AEC-1/VAC-1	AEC/ VAC	2	2/1 /0	0	0/2/ 4	2/2 /0	0/0 /3	25/ 15/0	0/25 /50	25/ 20/0	50/ 40/0	0/0 /50
	Total			20										
I Year: Second Semester														
1	AM102	Mathematics-II	BSC	4	3	1	0	3	0	25	-	25	50	-
2	CO102	Programming Fundamentals	ESC	4	3	0	2	3	0	15	25	20	40	-
3	EP102	Computational Methods	ESC	4	3	1	0	3	0	25	-	25	50	-
4	EP104	Fundamentals of Electrodynamics	DCC	4	3	1	0	3	0	25	-	25	50	-
5	EP106	Engineering Physics Workshop-II	SEC	2	1	0	2	0	3	-	50	-	-	50
6	AEC/ VAC	AEC-2/VAC-2	AEC/ VAC	2	2/1 /0	0	0/2/ 4	2/2 /0	0/0 /3	25/ 15/0	0/25 /50	25/ 20/0	50/ 40/0	0/0 /50
	Total			20										

Additional 02 credits are to be earned from mandatory community engagement course in first year to fulfil the requirement of award of the four year B.Tech Degree.



# BACHELOR OF TECHNOLOGY (Biotechnology)

## I Year: First Semester

Teaching Scheme					Contact Hours/Week			Exam Duration (h)		Relative Weights (%)				
S. No.	Subject Code	Course Title	Subject Area	Credit	L	T	P	Theory	Practical	CWS	PRS	MTE	ETE	PRE
1	AM101	Mathematics - I	BSC	4	3	1	0	3	0	25	-	25	50	-
2	AP101	Applied Physics	BSC	4	3	0	2	3	0	15	25	20	40	-
3	EC101	Basic Electronics & Communication Engineering	ESC	4	3	0	2	3	0	15	25	20	40	-
4	AC101	Applied Chemistry	BSC	4	3	0	2	3	0	15	25	20	40	-
5	BT 103	Applied Aquaculture	SEC	2	1	0	2	0	3	-	50	-	-	50
6	AEC/ VAC	AEC-1/VAC-1	AEC/ VAC	2	2/1 /0	0	0/2/ 4	2/2 /0	0/0 /3	25/ 15/ 0	0/25 /50	25/ 20/0	50/ 40/0	0/0 /50
<b>Total</b>				<b>20</b>										
<b>I Year: Second Semester</b>														
1	AM102	Mathematics-II	BSC	4	3	1	0	3	0	25	-	25	50	-
2	CO102	Programming Fundamentals	ESC	4	3	0	2	3	0	15	25	20	40	-
3	BT102	Biochemical Engineering Principles	ESC	4	3	1	0	3	0	25	-	25	50	-
4	BT104	Introduction to Biotechnology	DCC	4	3	1	0	3	0	25	-	25	50	-
5	BT 106	Development of Scientific Instrumentations and its applications	SEC	2	1	0	2	0	3	-	50	-	-	50
6	AEC/ VAC	AEC-2/VAC-2	AEC/ VAC	2	2/1 /0	0	0/2/ 4	2/2 /0	0/0 /3	25/ 15/0	0/25 /50	25/ 20/0	50/ 40/0	0/0 /50
<b>Total</b>				<b>20</b>										

Additional 02 credits are to be earned from mandatory community engagement course in first year to fulfil the requirement of award of the four year B.Tech Degree.

# BACHELOR OF TECHNOLOGY

## Civil Engineering

### I Year: First Semester

Teaching Scheme					Contact Hours/Week			Exam Duration (h)		Relative Weights (%)				
S. No.	Subject Code	Course Title	Subject Area	Credit	L	T	P	Theory	Practical	CWS	PRS	MTE	ETE	PRE
1	AM101	Mathematics - I	BSC	4	3	1	0	3	0	25	-	25	50	-
2	AP101	Physics	BSC	4	3	0	2	3	0	15	25	20	40	-
3	EE105	Basic Electrical Engineering-II	ESC	4	3	0	2	3	0	15	25	20	40	-
4	ME107	Basic Mechanical Engineering	ESC	4	3	0	2	3	0	15	25	20	40	-
5	CE103	Testing of Civil Engineering Materials	SEC	2	1	0	2	0	3	-	50	-	-	50
6	AEC/VAC	AEC-1/VAC-1	AEC/VAC	2	2/1/0	0	0/2/4	2/2/0	0/0/3	25/15/0	0/25/50	25/20/0	50/40/0	0/0/50
<b>Total</b>				<b>20</b>										
<b>I Year: Second Semester</b>														
1	AM102	Mathematics-II	BSC	4	3	1	0	3	0	25	-	25	50	-
2	CO102	Programming Fundamentals	ESC	4	3	0	2	3	0	15	25	20	40	-
3	CE102	Statistical Methods for Engineers	ESC	4	3	1	0	3	0	25	-	25	50	-
4	CE104	Mechanics of Solids	DCC	4	3	0	2	3	0	15	25	20	40	-
5	CE106	Engineering Graphics & Building Drawing	SEC	2	1	0	2	0	3	-	50	-	-	50
6	AEC/VAC	AEC-2/VAC-2	AEC/VAC	2	2/1/0	0	0/2/4	2/2/0	0/0/3	25/15/0	0/25/50	25/20/0	50/40/0	0/0/50
<b>Total</b>				<b>20</b>										

Additional 02 credits are to be earned from mandatory community engagement course in first year to fulfil the requirement of award of the four year B.Tech Degree.

# BACHELOR OF TECHNOLOGY

## Computer Science and Engineering

### I Year: First Semester

Teaching Scheme					Contact Hours/Week			Exam Duration (h)		Relative Weights (%)				
S. No.	Subject Code	Course Title	Subject Area	Credit	L	T	P	Theory	Practical	CWS	PRS	MTE	ETE	PRE
1	AM101	Mathematics - I	BSC	4	3	1	0	3	0	25	-	25	50	-
2	CO101	Programming Fundamentals	ESC	4	3	0	2	3	0	15	25	20	40	-
3	EC101	Basic Electronics & Communication Engineering	ESC	4	3	0	2	3	0	15	25	20	40	-
4	ME105	Computer Aided Engineering Graphics-II	ESC	4	3	0	2	3	0	15	25	20	40	-
5	CS103	Web Designing	SEC	2	1	0	2	0	3	-	50	-	-	50
6	AEC/VAC	AEC -1/VAC-1	AEC/VAC	2	2/1/0	0	0/2/4	2/2/0	0/0/3	25/15/0	0/25/50	25/20/0	50/40/0	0/0/50
<b>Total</b>				<b>20</b>										
<b>I Year: Second Semester</b>														
1	AM102	Mathematics-II	BSC	4	3	1	0	3	0	25	-	25	50	-
2	AP102	Physics	BSC	4	3	0	2	3	0	15	25	20	40	-
3	CS102	Discrete Structure	ESC	4	3	1	0	3	0	25	-	25	50	-
4	CS104	Data Structures	DCC	4	3	0	2	3	0	15	25	20	40	-
5	CS106	Basics of Machine Learning & Applications	SEC	2	1	0	2	0	3	-	50	-	-	50
6	AEC/VAC	AEC-2/VAC-2	AEC/VAC	2	2/1/0	0	0/2/4	2/2/0	0/0/3	25/15/0	0/25/50	25/20/0	50/40/0	0/0/50
<b>Total</b>				<b>20</b>										

Additional 02 credits are to be earned from mandatory community engagement course in first year to fulfil the requirement of award of the four year B.Tech Degree.

**BACHELOR OF TECHNOLOGY**  
**Electrical Engineering**  
**I Year: First Semester**

Teaching Scheme					Contact Hours/Week			Exam Duration (h)		Relative Weights (%)				
S. No.	Subject Code	Course Title	Subject Area	Credit	L	T	P	Theory	Practical	CWS	PRS	MTE	ETE	PRE
1	AM101	Mathematics - I	BSC	4	3	1	0	3	0	25	-	25	50	-
2	CO101	Programming Fundamentals	ESC	4	3	0	2	3	0	15	25	20	40	-
3	CE101	Basic Civil Engineering	ESC	4	3	1	0	3	0	25	-	25	50	-
4	ME101	Computer Aided Engineering Graphics-I	ESC	4	3	0	2	3	0	15	25	20	40	-
5	EE 103	Electrical Workshop	SEC	2	1	0	2	0	3	-	50	-	-	50
6	AEC/ VAC	AEC-1/VAC-1	AEC/ VAC	2	2/1 /0	0	0/2/ 4	2/2 /0	0/0 /3	25/ 15/ 0	0/25 /50	25/ 20/0	50/ 40/0	0/0 /50
	Total			20										
I Year: Second Semester														
1	AM102	Mathematics-II	BSC	4	3	1	0	3	0	25	-	25	50	-
2	AP102	Physics	BSC	4	3	0	2	3	0	15	25	20	40	-
3	EE102	Data Structures and Algorithms	ESC	4	3	0	2	3	0	15	25	20	40	-
4	EE104	Circuit and Field Theory	DCC	4	3	0	2	3	0	15	25	20	40	-
5	EE106	PCB Fabrication and Testing	SEC	2	1	0	2	0	3	-	50	-	-	50
6	AEC/ VAC	AEC-2/VAC-2	AEC/ VAC	2	2/1 /0	0	0/2/ 4	2/2 /0	0/0 /3	25/ 15/ 0	0/25 /50	25/ 20/0	50/ 40/0	0/0 /50
	Total			20										

Additional 02 credits are to be earned from mandatory community engagement course in first year to fulfil the requirement of award of the four year B.Tech Degree.

**BACHELOR OF TECHNOLOGY**  
**Electronics and Communication Engineering**

**I Year: First Semester**

Teaching Scheme					Contact Hours/Week			Exam Duration (h)		Relative Weights (%)				
S. No.	Subject Code	Course Title	Subject Area	Credit	L	T	P	Theory	Practical	CWS	PRS	MTE	ETE	PRE
1	AM101	Mathematics - I	BSC	4	3	1	0	3	0	25	-	25	50	-
2	CO101	Programming Fundamentals	ESC	4	3	0	2	3	0	15	25	20	40	-
3	EE105	Basic Electrical Engineering -II	ESC	4	3	0	2	3	0	15	25	20	40	-
4	AC101	Applied Chemistry	BSC	4	3	0	2	3	0	15	25	20	40	-
5	EC103	Electronics Workshop I	SEC	2	1	0	2	0	3	-	50	-	-	50
6	AEC/ VAC	AEC-1/VAC-1	AEC/ VAC	2	2/1 /0	0	0/2/ 4	2/2 /0	0/0 /3	25/ 15/ 0	0/25 /50	25/ 20/0	50/ 40/0	0/0 /50
	Total			20										
I Year: Second Semester														
1	AM102	Mathematics-II	BSC	4	3	1	0	3	0	25	-	25	50	-
2	AP102	Physics	BSC	4	3	0	2	3	0	15	25	20	40	-
3	EC102	Data Structures and Algorithms	ESC	4	3	0	2	3	0	15	25	20	40	-
4	EC104	Network Analysis & Synthesis	DCC	4	3	1	0	3	0	25	-	20	40	-
5	EC106	Electronics Workshop II	SEC	2	1	0	2	0	3	-	50	-	-	50
	AEC/ VAC	AEC-2/VAC-2	AEC/ VAC	2	2/1 /0	0	0/2/ 4	2/2 /0	0/0 /3	25/ 15/ 0	0/25 /50	25/ 20/0	50/ 40/0	0/0 /50
	Total			20										

Additional 02 credits are to be earned from mandatory community engagement course in first year to fulfil the requirement of award of the four year B.Tech Degree.



# BACHELOR OF TECHNOLOGY

## Environmental Engineering

### I Year: First Semester

Teaching Scheme					Contact Hours/Week			Exam Duration (h)		Relative Weights (%)				
S. No.	Subject Code	Course Title	Subject Area	Credit	L	T	P	Theory	Practical	CWS	PRS	MTE	ETE	PRE
1	AM101	Mathematics - I	BSC	4	3	1	0	3	0	25	-	25	50	-
2	AP101	Physics	BSC	4	3	0	2	3	0	15	25	20	40	-
3	CE101	Basic Civil Engineering	ESC	4	3	1	0	3	0	25	-	25	50	-
4	AC101	Applied Chemistry	ESC	4	3	0	2	3	0	15	25	20	40	-
5	EN103	Water and Wastewater Analysis	SEC	2	1	0	2	0	3	-	50	-	-	50
6	AEC/VAC	AEC-1/VAC-1	AEC/VAC	2	2/1/0	0	0/2/4	2/2/0	0/0/3	25/15/0	0/25/50	25/20/0	50/40/0	0/0/50
<b>Total</b>				<b>20</b>										

  

I Year: Second Semester														
1	AM102	Mathematics-II	BSC	4	3	1	0	3	0	25	-	25	50	-
2	CO102	Programming Fundamentals	ESC	4	3	0	2	3	0	15	25	20	40	-
3	EN102	Environmental Awareness	ESC	4	3	1	0	3	0	25	-	25	50	-
4	EN104	Basic Environmental Engineering	DCC	4	3	1	0	3	0	25	-	25	50	-
5	EN106	Air Pollution and Waste Management	SEC	2	1	0	2	0	3	-	50	-	-	50
6	AEC/VAC	AEC-2/VAC-2	AEC/VAC	2	2/1/0	0	0/2/4	2/2/0	0/0/3	25/15/0	0/25/50	25/20/0	50/40/0	0/0/50
<b>Total</b>				<b>20</b>										

Additional 02 credits are to be earned from mandatory community engagement course in first year to fulfil the requirement of award of the four year B.Tech Degree.

# BACHELOR OF TECHNOLOGY

## Information Technology

### I Year: First Semester

Teaching Scheme					Contact Hours/Week			Exam Duration (h)		Relative Weights (%)				
S. No.	Subject Code	Course Title	Subject Area	Credit	L	T	P	Theory	Practical	CWS	PRS	MTE	ETE	PRE
1	AM101	Mathematics - I	BSC	4	3	1	0	3	0	25	-	25	50	-
2	CO101	Programming Fundamentals	ESC	4	3	0	2	3	0	15	25	20	40	-
3	EC101	Basic Electronics & Communication Engineering	ESC	4	3	0	2	3	0	15	25	20	40	-
4	EE101	Basic Electrical Engineering-I	ESC	4	3	0	2	3	0	15	25	20	40	-
5	IT103	Fundamentals of Web Design	SEC	2	1	0	2	0	3	-	50	-	-	50
6	AEC/VAC	AEC-1/VAC-1	AEC/VAC	2	2/1 /0	0	0/2/ 4	2/2 /0	0/0 /3	25/ 15/0	0/25 /50	25/ 20/0	50/ 40/0	0/0 /50
	Total			20										
I Year: Second Semester														
1	AM102	Mathematics-II	BSC	4	3	1	0	3	0	25	-	25	50	-
2	AP102	Physics	BSC	4	3	0	2	3	0	15	25	20	40	-
3	IT102	Discrete Structures	ESC	4	3	1	0	3	0	25	-	25	50	-
4	IT104	Object Oriented Programming	DCC	4	3	0	2	3	0	15	20	20	40	-
5	IT106	Open Source Programming	SEC	2	1	0	2	0	3	-	50	-	-	50
6	AEC/VAC	AEC-2/VAC-2	AEC/VAC	2	2/1 /0	0	0/2/ 4	2/2 /0	0/0 /3	25/ 15/0	0/25 /50	25/ 20/0	50/ 40/0	0/0 /50
	Total			20										

Additional 02 credits are to be earned from mandatory community engagement course in first year to fulfil the requirement of award of the four year B.Tech Degree.

**BACHELOR OF TECHNOLOGY**  
**Mechanical Engineering**  
**I Year: First Semester**

Teaching Scheme					Contact Hours/Week			Exam Duration (h)		Relative Weights (%)				
S. No.	Subject Code	Course Title	Subject Area	Credit	L	T	P	Theory	Practical	CWS	PRS	MTE	ETE	PRE
1	AM101	Mathematics - I	BSC	4	3	1	0	3	0	25	-	25	50	-
2	AP101	Physics	BSC	4	3	0	2	3	0	15	25	20	40	-
3	CE101	Basic Civil Engineering	ESC	4	3	1	0	3	0	25	-	25	50	-
4	EE101	Basic Electrical Engineering I	ESC	4	3	0	2	3	0	15	25	20	40	-
5	ME 103	Workshop Practice	SEC	2	1	0	2	0	3	-	50	-	-	50
6	AEC/ VAC	AEC -1/VAC-1	AEC/ VAC	2	2/1 /0	0	0/2/ 4	2/2 /0	0/0 /3	25/ 15/0	0/25 /50	25/ 20/0	50/ 40/0	0/0 /50
	Total			20										
I Year: Second Semester														
1	AM102	Mathematics-II	BSC	4	3	1	0	3	0	25	-	25	50	-
2	CO102	Programming Fundamentals	ESC	4	3	0	2	3	0	15	25	20	40	-
3	ME102	Electronics and Communication concepts for Mechanical Engineers	ESC	4	3	0	2	3	0	15	25	20	40	-
4	ME104	Thermal Engineering-I	DCC	4	3	0	2	3	0	15	25	20	40	-
5	ME106	Engineering Graphics	SEC	2	1	0	2	0	3	-	50	-	-	50
6	AEC/ VAC	AEC-2/VAC-2	AEC/ VAC	2	2/1 /0	0	0/2/ 4	2/2 /0	0/0 /3	25/ 15/0	0/25 /50	25/ 20/0	50/ 40/0	0/0 /50
	Total			20										

Additional 02 credits are to be earned from mandatory community engagement course in first year to fulfil the requirement of award of the four year B.Tech Degree.

**BACHELOR OF TECHNOLOGY**  
**Mechanical Engineering with specialization in Automotive Engineering**

**I Year: First Semester**

Teaching Scheme					Contact Hours/Week			Exam Duration (h)		Relative Weights (%)				
S. No.	Subject Code	Course Title	Subject Area	Credit	L	T	P	Theory	Practical	CWS	PRS	MTE	ETE	PRE
1	AM101	Mathematics -I	BSC	4	3	1	0	3	0	25	-	25	50	-
2	AP101	Physics	BSC	4	3	0	2	3	0	15	25	20	40	-
3	CE101	Basic Civil Engineering	ESC	4	3	1	0	3	0	25	-	25	50	-
4	EE101	Basic Electrical Engineering I	ESC	4	3	0	2	3	0	15	25	20	40	-
5	AE103	Workshop Practice	SEC	2	1	0	2	0	3	-	50	-	-	50
6	AEC/ VAC	AEC -1/VAC-1	AEC/ VAC	2	2/1 /0	0	0/2/ 4	2/2 /0	0/0 /3	25/ 15/0	0/25 /50	25/ 20/0	50/ 40/0	0/0 /50
	Total			20										
I Year: Second Semester														
1	AM102	Mathematics-II	BSC	4	3	1	0	3	0	25	-	25	50	-
2	CO102	Programming Fundamentals	ESC	4	3	0	2	3	0	15	25	20	40	-
3	AE102	Electronics and Communication concepts for Mechanical Engineers	ESC	4	3	0	2	3	0	15	25	20	40	-
4	AE104	Engineering Mechanics	DCC	4	3	0	2	3	0	15	25	20	40	-
5	AE106	Engineering Graphics	SEC	2	1	0	2	0	3	-	50	-	-	50
6	AEC/ VAC	AEC -2/VAC-2	AEC/ VAC	2	2/ 1 /0	0	0/2/ 4	2/2 /0	0/0 /3	25/ 15/0	0/2 5 /50	25/ 20/0	50/ 40/0	0/0 /50
	Total			20										

Additional 02 credits are to be earned from mandatory community engagement course in first year to fulfil the requirement of award of the four year B.Tech Degree.

**BACHELOR OF TECHNOLOGY**  
**Production and Industrial Engineering**

**I Year: First Semester**

Teaching Scheme					Contact Hours/Week			Exam Duration (h)		Relative Weights (%)				
S. No.	Subject Code	Course Title	Subject Area	Credit	L	T	P	Theory	Practical	CWS	PRS	MTE	ETE	PRE
1	AM101	Mathematics - I	BSC	4	3	1	0	3	0	25	-	25	50	-
2	AP101	Physics	BSC	4	3	0	2	3	0	15	25	20	40	-
3	EE105	Basic Electrical Engineering- II	ESC	4	3	0	2	3	0	15	25	20	40	-
4	AC101	Applied Chemistry	BSC	4	3	0	2	3	0	15	25	20	40	-
5	PE103	Workshop Practice	SEC	2	1	0	2	0	3	-	50	-	-	50
6	AEC/ VAC	AEC -1/VAC-1	AEC/ VAC	2	2/1 /0	0	0/2/ 4	2/2 /0	0/0 /3	25/ 15/0	0/25 /50	25/ 20/0	50/ 40/0	0/0 /50
	Total			20										
I Year: Second Semester														
1	AM102	Mathematics-II	BSC	4	3	1	0	3	0	25	-	25	50	-
2	CO102	Programming Fundamentals	ESC	4	3	0	2	3	0	15	25	20	40	-
3	PE102	Electronics and Communication concepts for Mechanical Engineers	ESC	4	3	0	2	3	0	15	25	20	40	-
4	PE104	Engineering Materials & Metallurgy	DCC	4	3	0	2	3	0	15	25	20	40	-
5	PE106	Engineering Graphics	SEC	2	1	0	2	0	3	-	50	-	-	50
6	AEC/ VAC	AEC- 2/VAC-2	AEC/ VAC	2	2/1 /0	0	0/2/ 4	2/2 /0	0/0 /3	25/ 15/0	0/25 /50	25/ 20/0	50/ 40/0	0/0 /50
	Total			20										

Additional 02 credits are to be earned from mandatory community engagement course in first year to fulfil the requirement of award of the four year B.Tech Degree.



# BACHELOR OF TECHNOLOGY

## Software Engineering

### I Year: First Semester

Teaching Scheme					Contact Hours/Week			Exam Duration (h)		Relative Weights (%)				
S. No.	Subject Code	Course Title	Subject Area	Credit	L	T	P	Theory	Practical	CWS	PRS	MTE	ETE	PRE
1	AM101	Mathematics - I	BSC	4	3	1	0	3	0	25	-	25	50	-
2	AP101	Physics	BSC	4	3	0	2	3	0	15	25	20	40	-
3	EC101	Basic Electronics & Communication Engineering	ESC	4	3	0	2	3	0	15	25	20	40	-
4	EE101	Basic Electrical Engineering -I	ESC	4	3	0	2	3	0	15	25	20	40	-
5	SE103	Computer Workshop-I	SEC	2	0	0	4	0	3	0	50	-	-	50
6	AEC/VAC	AEC-1/VAC-1	AEC/VAC	2	2/1 /0	0	0/2/ 4	2/2 /0	0/0 /3	25/ 15/0	0/25 /50	25/ 20/0	50/ 40/0	0/0 /50
<b>Total</b>				<b>20</b>										
<b>I Year: Second Semester</b>														
1	AM102	Mathematics-II	BSC	4	3	1	0	3	0	25	-	25	50	-
2	CO102	Programming Fundamentals	ESC	4	3	0	2	3	0	15	25	20	40	-
3	SE102	Fundamentals of Computers	ESC	4	3	0	2	3	0	15	25	20	40	-
4	SE104	Fundamentals of Software Engineering	DCC	4	3	1	0	3	0	25	-	25	50	-
5	SE106	Computer Workshop -II	SEC	2	0	0	4	0	3	0	50	-	-	50
6	AEC/VAC	AEC- 2/VAC-2	AEC/VAC	2	2/1 /0	0	0/2/ 4	2/2 /0	0/0 /3	25/ 15/0	0/25 /50	25/ 20/0	50/ 40/0	0/0 /50
<b>Total</b>				<b>20</b>										

Additional 02 credits are to be earned from mandatory community engagement course in first year to fulfil the requirement of award of the four year B.Tech Degree.

### Pool of Ability Enhancement Courses (AECs)

Sr. No	Course Code	Course Title	Credits
1	AEC01	Appreciation of Fiction	2
2	AEC02	Appreciation of Poetry & Prose	2
3	AEC03	Appreciation of Short Stories	2
4	AEC04	Business Communication and Presentation Skills	2
5	AEC05	Communication Skills	2
6	AEC06	Communicative Hindi for Non - Natives	2
9	AEC09	French	2
10	AEC10	German	2
11	AEC11	Soft Skills and Personality Development	2
12	AEC12	Japanese	2
13	AEC13	Logical Reasoning	2
14	AEC14	Mandarin Chinese	2
15	AEC15	Public Speaking	2
17	AEC17	Spanish	2
18	AEC18	Spoken Skills in English	2
19	AEC19	Technical Communication	2

### Pool of Value Addition Courses (VACs)

Sr. No.	Course Code	Course Title	Credits
1.	VAC01	Art of Happiness	2
2.	VAC02	Corporate Governance and Business Ethics	2
3.	VAC03	Corporate Social Responsibility	2
4.	VAC04	Cyber Law	2
5.	VAC05	Emotional Intelligence	2
6.	VAC06	Extension Outreach Activities	2
7.	VAC07	Food Chemistry	2
8.	VAC08	Fostering Social Responsibility and Communi Engagement	2
9.	VAC09	Geography in Everyday Life	2
10.	VAC10	Introduction to Biological Science	2
11.	VAC11	Leadership Through Self - Management	2
12.	VAC12	NCC	2
13.	VAC13	Negotiation & Leadership	2
14.	VAC14	Nutraceutical	2
15.	VAC15	NSS	2
16.	VAC16	Professional Ethics & Human Values	2
17.	VAC17	Psychology for Everyday Living	2
18.	VAC18	Public	2
19.	VAC19	Science & Practice of Happiness	2
20.	VAC20	Sports I	2
21.	VAC21	Sports II	2
22.	VAC22	Universal Human Values 1: Self-Family	2
23.	VAC23	Universal Human Values 2: Self, Society and Nature	2
24.	VAC24	Universal Human Values: Understanding Harmony	2
25.	VAC25	Value Driven Leadership	2
26.	VAC26	Environment Development and Society	2
27.	VAC27	Introduction to Environmental Sciences	2

**ORDINANCE-6**  
(Maintenance of Discipline)

No. F. DTU/ORG/Notification/04(1)/2009..... In exercise of the powers conferred by sub-section (2) of Section 32 of the Delhi Technological University Act, 2009 (Delhi Act 6 of 2009), the Board of Management, Delhi Technological University, hereby makes Ordinance-6 Maintenance of Discipline among students.

**1. Short title and Commencement:**

- (a) These Ordinance may be called the Delhi Technological University (Sixth) Ordinance, 2012.
- (b) They shall come into force with effect from the date of meeting of the Board of Management i.e. 28.12.2010

**2. Definitions:**

- (i) In these ordinances, unless the context otherwise requires:-
  - (a) “Act”, “statutes”, “ordinance” and “regulations” mean respectively the Delhi Technological University Act, 2009 (6 of 2009), the statutes, the ordinance and the regulations of the Delhi Technological University.
  - (b) “Department”, and “School” means the academic departments and schools of Delhi Technological University.
- (ii) Words and expression used, but not defined, in these ordinances shall have the meanings assigned to them in the Act and the statutes.

**3. Power to vest in the Vice Chancellor**

- (i) All powers relating to maintenance and enforcement of discipline among and disciplinary action against the students of the University shall vest in the Vice Chancellor.
- (ii) The Vice Chancellor may delegate all or any such of his powers, as he deems proper, to such other officers and authorities of the university as he may specify in this behalf.

**4. Acts of indiscipline and misconduct**

- 1. Without prejudice to the generality of the power to maintain and enforce discipline under this ordinance, the following shall amount to acts of indiscipline or misconduct on the part of a student of the University:-
  - (a) Physical assault, or threat to use physical force, against any member of the teaching or non teaching staff of any Department or school of the University or against any student or the University.
  - (b) Remaining or co-curricular activity which he/ she is expected to participate in;
  - (c) Carrying of, use of or threat to use, any weapon;
  - (d) Misbehavior, using abusive language or cruelty towards any other student, teacher or any other employee of the University.
  - (e) Use of drugs or other intoxicants except those prescribed by a qualified doctor;
  - (f) Any violation of the provisions of the Civil Rights Protection Act, 1976;
  - (g) Indulging in or encouraging violence or any conduct which involves moral turpitude;
  - (h) Any form of gambling;
  - (i) Violation of the status, dignity and honour of a student belonging to a scheduled caste or a schedule tribe.
  - (j) Discrimination against any student or a member of staff on grounds of caste, creed, language, place of origin, social and cultural background or any of them.
  - (k) Practicing casteism and untouchability in any form or inciting any other person to do so;

- (l) Any act or gesture, whether verbal physical or otherwise verbal physical or otherwise, derogatory to women;
  - (m) Consuming tobacco, liquor or smoking;
  - (n) Any attempt at bribing or corruption of any manner or description;
  - (o) Willful destruction of the property of the University.
  - (p) Behaving in a rowdy, intemperate or disorderly manner in the premises of the University or encouraging or inciting any other person to do so;
  - (q) Causing disruption of any manner or description of the academic functioning of the University system;
  - (r) Indulging in or encouraging any form of disruptive activity connected with tests, examinations or any other activity of the University.
  - (s) Indulging in or encouraging any form of disruptive activity connected with tests, examinations or any other activity of the University;
  - (t) (Truancy and unpunctuality;
2. The Vice Chancellor may amend or add to the list of malpractices under clauses (1)

## **5. Penalties for breach of discipline**

Without prejudice to the generality of his powers relating to the maintenance of discipline and taking such action in the interest of maintaining discipline as deemed appropriate by him.

- (1) The Vice Chancellor may in exercise of his powers aforesaid, order or direct that any student or students-
  - (a) Be expelled from the University in which case he/ she shall not be re-admitted to the University, from where he expelled; or
  - (b) Be, for a stated period, rusticated in which case he/ she not be admitted to the University till the expiry of the period of rustication; or
  - (c) Be, for a stated period expelled from the University Hostel/ hall of residence or;
  - (d) Be not, for a stated period, admitted to a course or courses of study of the University; or
  - (e) Be imposed with the fine of a specified amount of money;
  - (f) Be debarred from taking a University examination or examinations for one or more years.
- (2) The Vice Chancellor, in exercise of his powers aforesaid or on the recommendations of Board of Discipline, may also order or direct that the result of the student concerned of the examination or examinations at which he/ she has appeared, be cancelled.
- (3) The Chairman, Board of Discipline, Head of Teaching Departments and schools, Wardens of different hostels, Librarian and In-charge of any centralized facilities in the university shall have the authority to exercise disciplinary powers over students in their respective domain, in the university as may be necessary for the proper functioning of the department, hostel, library, central facility, which may include issuing warning, suspension from the classes/ hostels and/ or debarring from using the central facilities for a maximum period of one month. However, in all such cases, the final decision shall be taken by the Board of Discipline.

## **6. Ragging**

Ragging for the purpose of this ordinance, shall ordinarily mean any act, conduct or practice by which the dominant power or status of senior students is brought to bear upon the students who are in any way considered junior or inferior by the former and includes individual or collective acts

- (a) Involve physical assault or threat to use physical force;
- (b) Violate the status, dignity and honour of students, in particular woman/ girl students and those belonging to a scheduled caste or a scheduled tribe;
- (c) Expose students to ridicule or contempt or commit an act which may lower their self-esteem; and
- (d) Entail verbal abuse, mental or physical torture, aggression, corporal punishment, harassment, trauma, indecent gesture and obscene behavior.

#### **A. What constitutes Ragging?**

Ragging constitutes one or more of the following acts:

- (a) Any conduct by any students whether by words spoken or written or by an act which has the effect of teasing, treating or handling with rudeness a fresher or any other students;
- (b) Indulging in rowdy or indisciplined activities by any student or students which causes or is likely to cause annoyance, hardship, physical or psychological harm or to raise fear or apprehension thereof in any fresher or any other student;
- (c) Asking any student to do any act which such student will not do in the ordinary course and which has the effect of causing or generating a sense of shame, or torment or embarrassment so as to adversely affect the physique or psyche of such fresher or any other student;
- (d) Any act by a senior student that prevents, disrupts or disturbs the regular academic activity of any other student or a fresher;
- (e) Exploiting the services of a fresher or any other student for completing his academic tasks assigned to an individual or a group of students;
- (f) Any act of financial extortion or forceful expenditure burden put on a fresher or any other student by students;
- (g) Any act of physical abuse including all variants of it: sexual abuse, homosexual assaults, stripping, forcing obscene and lewd acts, gestures causing bodily harm or any other danger to health or person;
- (h) Any act or abuse by spoken words, emails, post, public insults which would also include deriving perverted pleasure, vicarious or sadistic thrill from actively or passively participating in the discomfiture to fresher or any other student;
- (i) Any act that affects the mental health or self-confidence of a fresher or any other student with or without an intent to derive a sadistic pleasure or showing off power, authority or superiority by a student over any fresher or any other student.

#### **B. Prohibition of Ragging**

- (a) Ragging in any form is strictly prohibited in University campus and any part of University system, as well as on public transport or at any place, public or private.
- (b) Any individual or collective act or practices of ragging constitutes gross indiscipline and shall be dealt with relevant provisions.
- (c) The Head of the Department/ school, Proctor, wardens of Hostels, Librarian, In-charge of any central facility, security officer or any faculty member of the university shall take immediate action on receipt of any information of the occurrence of ragging.

- (d) Notwithstanding anything in clause (iii) above, the Chairman, Board of Discipline may also suo-moto enquire into, any incident of ragging and make a report to the Vice Chancellor of the identity of those who have engaged in ragging and the nature of the incident.
- (e) The Chairman, Board of Discipline may also submit an initial report to VC establishing the identity of the perpetrators, of ragging and the nature of the ragging incident.
- (f) If the Head of the Department/ Schools, Proctor, Chief Warden, Librarian, In-charge-Central Facility and Chairman, Board of Discipline is satisfied that for some reason, to be recorded in writing, it is not feasible to hold such an enquiry, he/ she may so advise the Vice Chancellor accordingly.
- (g) When the Vice Chancellor is satisfied that it is not expedient to hold such an enquiry into an incident of ragging, his/ her decision shall be final.
- (h) On the receipt of a report under clause (iv) of (v) or determination by the relevant authority under clause (vi) disclosing the occurrence of ragging incidents described in clause 5 (A), the Vice Chancellor shall take appropriate penal action which may include rustication of a student or student for a specific number of year from University, debarring from appearing in University examination and/ or take any other measure as prescribed by Hon'ble Supreme Court or any Court of Law.
- (i) The Vice Chancellor may in other cases of ragging order or direct that nay student or students be expelled or be not for a stated period admitted to a course of study or in a University Examination, for one or more years or that the result of student/ students concerned in the examination in which they appeared be cancelled.
- (j) In case any students who have obtained degrees of Delhi Technological University are found guilty under this Ordinance, appropriate action for withdrawal of degrees conferred by the University shall be initiated.
- (k) For the purpose of this Ordinance, abetment to ragging whether by way of any act, practice or incitement of ragging will also amount to ragging.
- (l) All students shall be required to submit written undertaking(s) to the University in the beginning of academic session that they shall indulge into any act of ragging.

## **7. Declaration to be signed by a student**

At the time of admission, every student shall be required to sign a declaration On oath that he/ she shall submit himself/ herself to the disciplinary jurisdiction of the Vice Chancellor and other authorities of the University.

## **8. Constitution of the Board of Discipline**

- (1) The Boards of Discipline at the level of the University shall be constituted by the Vice Chancellor as follows:-
  - (a) A Professor of the University to be nominated by the Vice Chancellor – Chairman.
  - (b) Chief Warden of the University Hostels.
  - (c) Two senior teachers of the University to be nominated by the Vice Chancellor, members.
  - (d) One senior lady teacher of the University to be nominated by the Vice-Chancellor, member.
  - (e) Head of the concerned department/ school and hostel warden to which the act of indiscipline of misconduct by a student or students pertains to the Chairman in case feels that input from he student(s) are required for better examination of a case may do so by calling the student(s).



- (f) Assistant Registrar (Academic) shall be the Member Secretary of the Board of Discipline.
- (2) The members of the board including Chairman shall hold office for a period of two years and a vacancy occurring in the Board of Discipline shall be filled for the remaining period of the term of the member whose department has caused the vacancy.
- (3) Three members of the Board of discipline including the Chairman, shall form the quorum.
- (4) In the absence of the Chairman, the senior most member of the Board of Discipline shall act as the Chairman.

## **9. Functions of the Board of Discipline**

- (1) The Board of Discipline shall perform the following functions;-
  - (a) To consider matters concerning maintenance of discipline among the students in the University.
  - (b) To enquire into the acts of indiscipline or misconduct committed by a student or students whenever such cases are referred to the Board of Discipline and to submit their findings conclusions and recommendations for the quantum of punishment under the provision of this ordinance to the Vice Chancellor or the person authorized by the Vice Chancellor in this behalf.
  - (c) To supervise and monitor the disciplinary climate prevailing in the University.
  - (d) To take preventative and precautionary steps such as issue of notices, warning, instructions etc. as the case may be, for the purpose of forestalling acts of individual or collective indiscipline, misconduct and ragging etc.
  - (e) To maintain liaison with the police authorities and the concerned departments of the Government, neighbouring institutions and the concerned authorities of the University regarding maintenance of law Chancellor from time to time.
- (2) The decision in each case shall be conveyed by the Chairman communicating the penalty or penalties, if any, imposed on a student or students.
- (3) A student or students, who are aggrieved with the penalty imposed upon them, may appeal to the vice chancellor whose decision in this regard shall be final and binding upon the parties.

## **FEE CONCESSION FOR STUDENTS BELONGING TO ECONOMICALLY WEAKER SECTIONS**

DTU has well established guide lines for extending fee concession to the needy students with lean economical background. Applications are invited from all the desirous students; a designated Fee Concession Screening Committee interacts with those students and their parents and accordingly recommends the full or half fee concession on tuition fee to them.

All the desirous and eligible students of DTU who belongs to lower income group and wish to seek financial assistance for fee concession may submit the application online on [www.btechstudentportal.dtu.ac.in](http://www.btechstudentportal.dtu.ac.in) (portal will be active in the month of August/September). The criteria and guidelines for the fee concession and concession in hostel fee are as under:-

- (1) The students whose family income from all sources is less than Rs. 4,50, 000/- per annum will only be eligible for fee concession. Income Certificate should be valid at the time of online application issued by SDM/1st Class Magistrate in case of others, ITR for previous financial year in case of Govt. Employee.
- (2) The students of 1st year and 3rd year shall deposit the University annual fee at the start of the academic session and fee concession amount will be reimbursed if he/she fulfills the criteria of fee concession. In 2nd and 4th year the student will deposit the fee as per the applicable fee concession received in 1st and 3rd year respectively.
- (3) First year student has to submit the copies of the all mark sheets starting from 12th class and JEE Rank Card.
- (4) Any student who availed fee concession in 1st year will continue to be eligible for Fee Concession in 2nd year also, similarly student availing fee concession in 3rd year will continue to be eligible for the same in 4th year also provided he/she has acquired minimum required credits for promotion from 1st year to 2nd year / 3rd year to 4th year respectively.
- (5) The student has to submit an undertaking duly counter signed by his/her parents on stamp paper of Rs. 10/- duly attested by public Notary that “he/she has not obtained or applied for any grant/ financial help for the same purpose from any other Ministry/ Govt. Department of India/ State, any Public/ Private Organization.” The application of the candidate concealing the facts will automatically stand cancelled.
- (6) The student should not be involved in any disciplinary activity (ies) in the University.
- (7) Copy (ies) of Death Certificate of earning parent(s).
- (8) Copy of award letter of Scholarship/fellowship if any, being awarded any Govt. or non-govt. organization.
- (9) Copy of student Bank Passbook mentioning IFSC and Bank A/C No.
- (10) The full fee concession may be given to the student's maximum upto five (05) % of the sanctioned intake for the particular year in the respective program or equivalent to the number of double, the half fee concession may be granted to the deserving students.
- (11) The full fee concession will be granted to the wards (up to two children only) of all the Group C' employees and half fee concession may be granted to the wards (up to two children only) of all the “Group B' employees of the DTU/ DCE over and above the student's maximum upto five (05) % of the sanctioned intake for the particular year. All shortlisted students will be required to appear for personal interview by a designated Committee for which dates will be announced later on. Applications will be accepted only through online portal, hand written applications will not be accepted.

## Financial Support to Students

### **Merit scholarship to the toppers of each branch of Bachelor of Technology.**

The merit Scholarship is awarded strictly on principle of academic merit of the candidates who satisfy the following conditions:

- (1) Merit scholarship shall be given only to the toppers of all branches of B Tech program (F/T) annually with the condition that the student concerned has secured 75% or above as aggregate marks or CGPA =7.5 in an academic year.
  - (2) The student who has passed all the subject of the semester in one attempt.
  - (3) The student should have a sound moral character and should not have indulged into any act of misconduct during his/her studies at the University.
  - (4) In case of tie, all awardees will be given Rs 5000/- each.
- Approval accorded during 11th meeting of Academic Council held on 24.06.2015 and confirmed by BOM vide minutes of 17th BOM, DTU held on 17.07.2015.

### **Financial Assistance to students for presenting Research Paper/Poster in National/ International Conference /Events**

This scheme is aimed at promoting research and development activities in various areas of professional education in an academic department by providing opportunity to students to interact at national and international level to update with the global changes in the concerned fields / area of specialisation.

### **Financial Assistance for Students' Innovative Projects**

To strengthen the student innovative projects and to facilitate student teams venturing for innovative projects, there is a provision for financial support for which approval is accorded during 19th meeting of Academic Council held on 16.11.2018 and confirmed by BOM vide minutes of 29th BOM, DTU held on 30.11.2018.

### **Financial assistance for students for attending internship overseas**

The scheme for financial assistance to students for attending internship overseas has been instituted keeping in view the importance of state of the art research and international exposure to students for which approval is accorded during 19th meeting of Academic Council held on 16.11.2018 and confirmed by BOM vide minutes of 29th BOM, DTU held on 30.11.2018.

# SCHOLARSHIP SCHEMES

S. No.	NAME OF THE SCHEME	CRITERIA	AMOUNT
<b>FEE CONCESSION DTU SCHEME (THROUGH DTU PORTAL)</b>			
1	Fee Concession	Income up to Rs.4.5 Lac	100% full fee waiver, 100 & 50% tuition fee waiver
<b>CENTRAL GOVT SCHEMES AT NSP PORTAL</b>			<b>Link: <a href="https://scholarships.gov.in/">https://scholarships.gov.in/</a></b>
1	Post Matric Scholarships Scheme for Minorities	50% marks or equivalent grade in the previous final examination and the annual income Rs.2.00 lac	Tuition fee Rs. 10,000/- per annum
2	Merit Cum Means Scholarship For Professional and Technical Courses CS	50% marks or equivalent grade in the previous final examination and the annual income Rs.2.5 lac	(i) Course fee: Rs. 20,000/- per annum (for both Hosteller & Day Scholar) (ii) Maintenance Allowance Rs. 1,000/- per month* for Hosteller Rs. 500/- per month* for Day Scholar
3	Post-matric Scholarship for Students with Disabilities	Income up to Rs.2.5 lac. and 40% disability	(i) Reimbursement of compulsory Non-refundable Rs.1.50 lac per annum, (ii) Maintenance allowance: for hosteller Rs. 1600/- per month and Rs. 750/- for dayscholar (iii) Book Allowance: Rs.1500/- per annum (iv) Disability allowance (a) Visually Impaired Rs.4000/- (b) Hearing Impaired Rs. 2000/-, (c) Physically Disabled (OH) Rs. 2000/-, (d) Intellectual Disabilities Rs. 4000/- (e) All other types of disability not covered under above Rs. 2000/-
4	Scholarships for Top Class Education for Students with Disabilities.	Income up to Rs.8 Lac and 40% disability	(i) Tuition fees and non-refundable Up to Rs. 2. lac (ii) Maintenance Allowance Rs.3,000/- per month for hostellers, Rs. 1,500/- per month for day scholars (iii) Special reader allowance, escort allowance, helper allowance etc.) Rs. 2,000/- per month (iv) Books & Stationery Rs. 5,000/- per annum. (v) computer/ laptop Rs. 45,000/- as a one time (vi) aids and Assistive devices Rs. 30,000/-
5	Top Class Education Scheme for SC Students	Income up to Rs. 8 lac, selection only 10 students as per JEE rank and 30% slots for girls students	(i) full tuition fee and non-refundable charges (ii) Academic allowance of Rs. 86,000 in the first year of study and Rs. 41,000 in every subsequent year, to take care of living expenses, books and stationery, computer/laptop
6	National Fellowship and Scholarship for Higher Education of ST Students - Scholarship (Formally Top Class Education for Schedule Tribe Students) - only for Scholarships	Income up to Rs.6 Lac	(i) full tuition fee and non-refundable charges (ii) Academic allowance of Rs. 86,000 in the first year of study and Rs. 41,000 in every subsequent year, to take care of living expenses, books and stationery, computer/laptop
7	Central Sector Scheme of Scholarships for College and University Students	Students who are above 80 <sup>th</sup> percentile of successful candidates in the relevant stream from the respective Board of Examination in Class XII of 10+2 pattern or equivalent, Income Rs. 4.5 lacs per annum	The rate of scholarship is Rs.12,000/-per annum at graduation level for first three years of College and University courses
8	Prime Minister's Scholarship Scheme for Central Armed Police Forces and Assam Rifles	I) Wards/widows of deceased II) CAPFs & AR personnel died in harness/election duty, wards of personnel disabled due to causes attributable to Government service and Wards of ExCAPFs & AR personnel in receipt of Gallantry Awards. III) Wards/widows of retired and serving CAPFs & AR Personnel. (Personnel below Officer Rank)	Rs. 36,000/- per annum to each girl & Rs 30,000/- per annum to each boy
9	Prime Minister's Scholarship Scheme for Wards of States/UTs Police Personnel Martyred during Terror/Naxal Attacks	I) Wards/widows of deceased C II) CAPFs & AR personnel died in harness/election duty, wards of personnel disabled due to causes attributable to Government service and Wards of ExCAPFs & AR personnel in receipt of Gallantry Awards. III) Wards/widows of retired and serving CAPFs & AR Personnel. (Personnel below Officer Rank)	Rs. 36,000/- to each girl & Rs 30,000/- to each boy



10	Prime Minister's Scholarship Scheme for RPF/RPSF	Students should have secured 60% and above in 12 <sup>th</sup> Std., The scholarship is admissible for only two wards per family	Rs. 2500/- per month for male students and Rs. 3000/- per month for female students
11	Financial Support to the Students of NER for Higher Professional Courses (NEC Merit Scholarship)	Income up to Rs.8 Lac only, resident of any of the North Eastern States.	Rs. 22,000/- per annum
<b>AICTE SCHEMES AT NSP PORTAL</b>			<b>Link: <a href="https://scholarships.gov.in/">https://scholarships.gov.in/</a></b>
1	Pragati Scholarship Scheme for Girl Students (Technical Degree)	The girl candidate should be admitted to First year of Degree level course OR Second year of Degree level course through lateral entry, income up to Rs. 8 lac per annum	Rs. 50,000/- per annum
2	Saksham Scholarship Scheme for Specially Abled Student (Technical Degree)	The candidate should be admitted to First year of Degree level course OR Second year of Degree level course through lateral entry, disability of not less than 40%. income up to Rs. 8 lakh per annum	Rs. 50,000/- per annum
3	AICTE – Swanath Scholarship Scheme (Technical Degree)	(i) Orphan OR (ii) Either or both parents died due to Covid 19 OR (iii) Wards of Armed Forces and Central Paramilitary Forces martyred in action (Shaheed) AND 2) income up to Rs. 8 lakh per annum	Rs. 50,000/- per annum
<b>STATE SCHEMES DELHI (EDISTRICT PORTAL)</b>			<b>Link: <a href="https://edistrict.delhi.gov.in/">https://edistrict.delhi.gov.in/</a></b>
1	Merit-cum-Means Income Linked Financial Assistance Scheme of Delhi Higher Education Aid Trust	Category-1 Ration Card Category-2 Income up to Rs.2.5 lac and Category-3 income up to Rs. 6 lac	100% tuition fee for category-1, 50% tuition fee for Category-2 and 25% tuition fee for Category-3
2	Post Matric Scholarship Schemes for SC	Income Limit Rs. 2.5 Lac, Resident of Delhi	Full fee + maintenance allowance Rs. 7000/- per annum
3	Merit Scholarship to SC/ST/OBC Students of College/Professional Institutions	No income limit for SC/ST , for OBC Rs. 2.5 Lac, Resident of Delhi	Rs. 12,000/- per annum
4	Post Matric Scholarship Schemes for OBC	Income limit Rs. 2.5 Lac, Resident of Delhi	Rs. 20,000/- for day scholar and Rs. 25,000/- for hosteller
<b>STATE SCHEME MADHYA PRADESH</b>			<b>Link: <a href="http://www.scholarshipportal.mp.nic.in/">http://www.scholarshipportal.mp.nic.in/</a></b>
1	Mukhyamantri Medhavi Vidyarthi Yojna (MMVY)	Resident of Madhya Pradesh, Income up to Rs. 6 lac, Applicants must have scored 75% of marks from the Madhya Pradesh board or 85% marks from the CBSE board Students who have scored rank within 1,50,000 in JEE Mains are eligible to apply for the scholarship	Rs. 1.5 Lac per annum
<b>STATE SCHEME RAJASTHAN</b>			<b>Link: <a href="https://sso.rajasthan.gov.in/">https://sso.rajasthan.gov.in/</a></b>
1	Post Matric Scholarship for SBC Students	Resident of Rajasthan, income up to Rs. 1 lac	Maintenance allowance, study tour cost, mandatory non-refundable fee reimbursement, book allowance, etc.
<b>STATE SCHEME UTTAR PRADESH</b>			<b>Link: <a href="https://scholarship.up.gov.in/">https://scholarship.up.gov.in/</a></b>
1	Post Matric Scholarship	Resident of Uttar Pradesh, for general/OBC income up to Rs. 2 lac and SC/ST Rs. 2.5 lac	General/OBC Rs. 12,00/- per month, SC/ST Rs. 13,500/- per annum



**Academic calendar for All UG, PG & Ph. D Programmes**  
**Academic Year 2023-24**

**Odd Semester**

Filling of online registration form all UG, PG, & Ph. D Program	07.07.2023 onwards (Friday) (Notification to be issued by Examination Branch)
Orientation cum Induction Program for B.Tech I Year Students	31.07.2023 – 04.08.2023 (Monday - Friday)
Commencement of Teaching	07.08.2023 (Monday)
Mid Semester notification of shortage of attendance by the respective Departments	22.09.2023 (Friday)
Mid Term Examination	25.09.2023 (Monday onwards)
Arena '23-24	20.10.2023 - 22.10.2023 (Friday - Sunday)
Classes in online mode	13.11.2023 – 16.11.2023 (Monday-Thursday)
Teaching Ends	16.11.2023 (Thursday)
Display of sessional marks and shortage of attendance	17.11.2023 (Friday)
End Semester Theory & Practical Examination	20.11.2023 (Monday) onwards
Grade moderation and display of grades	15.12.2023(Friday)
Declaration of result	22.12.2023(Friday)

**Even Semester**

Filling of online registration form all UG, PG, & Ph. D Program	07.12.2023 onwards (Thursday) (Notification to be issued by Examination Branch)
Commencement of Teaching	01.01.2024 (Monday)
Techfest'24/ Engifest'24/ Yuvaan'24 Teaching suspended (for UG & PG Students only)	12.02.2024 to 17.02.2024 (Monday - Saturday)
Mid Semester notification of shortage of attendance by the respective Departments	08.03.2024 (Friday)
Mid Term Examination	11.03.2024 (Monday) onwards
Classes in online mode	26.03.2024 to 28.03.2024 (Tuesday-Thursday)
Teaching Ends	26.04.2024 (Friday)
Display of sessional marks and shortage of attendance	30.04.2024 (Tuesday)
End Term Theory & Practical Examination	01.05.2024 (Wednesday) onwards
Grade moderation and display of grades	24.05.2024(Friday)
Declaration of result	31.05.2024(Friday)
Summer Vacation	03.06.2024 – 31.07.2024
Industrial Training/Internship	After End Term Examination/Summer Vacation



# **DISCLAIMER**

The information contained in this booklet has been prepared solely for the purpose of information dissemination. Though all efforts have been made to ensure the correctness and currentness of the content, the same should not be surmised as a statement of law or used for any legal purpose.



## DTU URLS : QUICK REFERENCE



**DTU Website**  
<http://dtu.ac.in>



**DTU Examination and Result Section**  
<http://exam.dtu.ac.in>



**DTU Academic UG Section**  
<http://dtu.ac.in/Web/Academics>



**DTU Times**  
<http://dtutimes.dtu.ac.in/>



**DTU Academic UG Ordinance and Regulations**  
<http://dtu.ac.in/Web/Academics/ordinance.php>



**DTU Equal Opportunity Cell**  
<http://dtu.ac.in/Web/eoc/about>



**DTU Student Corner**  
<http://dtu.ac.in/Web/studentCorner>



**DTU Centre of Extension and Field Outreach**  
<http://dtu.ac.in/Web/coea/about>



**DTU Training and Placement**  
<http://tnp.dtu.ac.in>



**DTU Hostels**  
<http://hostels.dtu.ac.in/1/>



**DTU Central Library**  
<http://library.dtu.ac.in>



**DTU Students Welfare**  
<http://www.dsw.dtu.ac.in>



**DTU ERP Portal Links**  
<http://dtu.ac.in/Web/ERP/about>



**DTU NSS Blood Donation**  
<http://www.rakt.dtu.ac.in>





# **DELHI TECHNOLOGICAL UNIVERSITY**

**(Formerly Delhi College of Engineering)**

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