

Delhi Technological University

Established by the Govt. of NCT of Delhi vide Act 6 of 2009

(Formerly Delhi College of Engineering)



ACCREDITED with 'A' Grade (CGPA 3.22 out of 4.0) by NAAC

ISO 9001 : 2015 Certified

ADMISSION BROCHURE

Integrated BSc & MSc PROGRAMMES

2024 – 2025



Shahbad Daulatpur, Bawana Road, Delhi 110042



www.dtu.ac.in



coordinator_bscmsc@dtu.ac.in

Admission Schedule with Important Dates for Integrated BSc & MSc Programmes*

(For the Final Schedule and Important Dates, visit DTU website: www.dtu.ac.in)

S. No.	ACTIVITY/EVENT	DATE
1	Advertisements in newspapers / social media	19-08-2024 (Monday)
2	Commencement of Online Registration	20-08-2024 (Tuesday)
3	Last Day and Time for Online Registration	03-09-2024 (Tuesday) 12:00 midnight
4	Merit List for 1 st round of counselling based on CUET-(UG) 2024 score.	06-09-2024 (Friday) 05:00 PM
5	1 st Round of admission at DTU for all branches and freezing seats and preparing wait list (Selected candidates are required to report along with original documents and Bank Draft for payment of Fee).	11-09-2024 (Thursday) 09:00 AM onwards
6	Display of vacant seats for spot round on DTU website: www.dtu.ac.in	13-09-2024 (Friday) 05:00 PM
7	Spot Round admission at DTU	17-09-2024 (Tuesday) 09:00 AM onwards
8	Special Spot Round (if required)	Date will be announced on the website

***Note:** All candidates desirous of seeking admission to Integrated BSc & MSc programmes are hereby advised to read the brochure carefully and visit the website www.dtu.ac.in regularly for updates and other details/ additional information about the entire admission process. The contents and information provided in the Admission Brochure are based on the current instructions/guidelines issued by the Government of NCT of Delhi & CUET (UG) administered by NTA.

Any Modification / Addition / further clarification about eligibility conditions and procedures for admission in the Integrated BSc & MSc programmes, if required, will be notified on the University Website through separate notifications.



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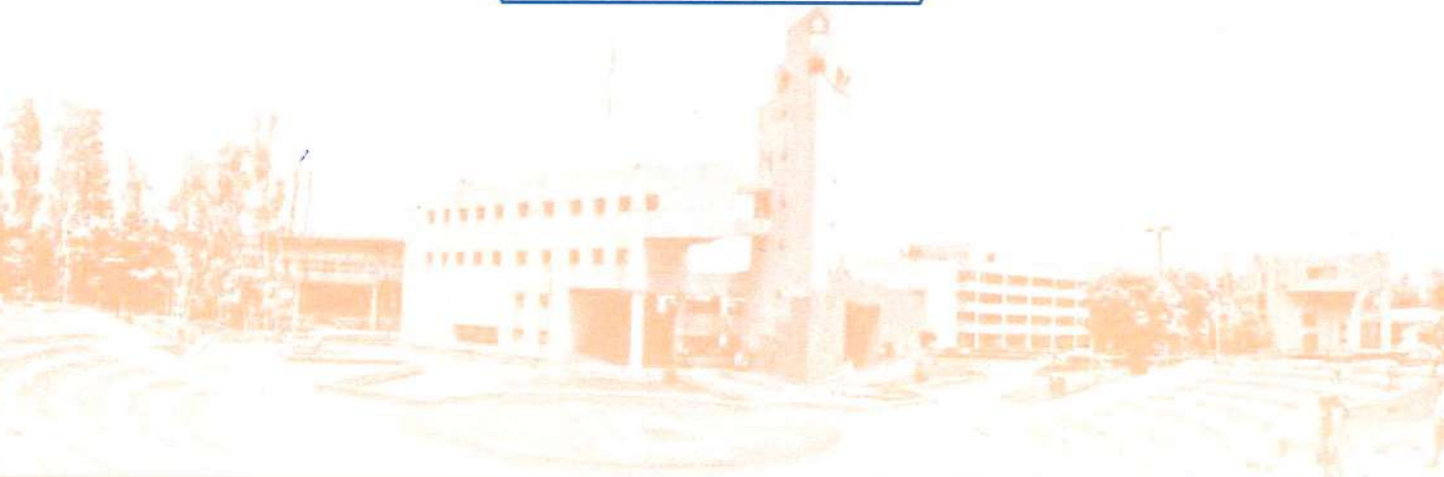
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**ADMISSION
BROCHURE**

Integrated

**BSc & MSc
PROGRAMMES**

2024 – 2025





दिल्ली प्रौद्योगिकी विश्वविद्यालय DELHI TECHNOLOGICAL UNIVERSITY

Established by Govt. of Delhi vide Act 6 of 2009

(Formerly Delhi College of Engineering)



Prof. Prateek Sharma
Vice-Chancellor



Message

It is my immense pleasure to announce that Delhi Technological University is commencing with admissions for its first batch of 5-Year Integrated BSc & MSc program in the academic year 2024-25.

Delhi Technological University has had a vast legacy of being a premier institute reputed for its outstanding education, research, innovation and entrepreneurship for over eight decades. The university offers various interdisciplinary research oriented, industry relevant programs in science and technology at both undergraduate and postgraduate levels. Delhi Technological University is delighted to present the 5-Year Integrated BSc & MSc Program – 2024, which is based on the National Education Policy 2020. The Integrated BSc & MSc program is a visionary approach towards devising an integrated, interdisciplinary program with multiple entry and exit options for the students.

The National Education Policy 2020 (NEP 2020) has been framed to harness the full potential of an individual and nurture the students, to enable them to access an inclusive and equitable quality education. NEP 2020 envisions a massive transformation in education through– “an education system rooted in Indian ethos that contributes directly to transforming India, that is Bharat, sustainably into an equitable and vibrant knowledge society, by providing high quality education to all, thereby making India a global knowledge superpower.” The NEP 2020 is founded on the five guiding pillars of Access, Equity, Quality, Affordability and Accountability.

This integrated BSc & MSc program is formulated with a student centric approach and provides flexibility in terms of choice of disciplines of study, developing academic pathways with multiple entry and exit points. We aim at nurturing students for their holistic development and skills are instilled in them, along with a concern for society and its wellbeing. Our unique integrated program has the objective of empowering students to enable them to determine their individualistic career trajectories for entrepreneurship, industry, research and innovation.

(Prof. Prateek Sharma)

SHAHBAD DAULATPUR, BAWANA ROAD, DELHI-110042, INDIA

PH. : 011-27882284, 27852207 Email: vcdu@dtu.ac.in, WEBSITE: www.dtu.ac.in



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GENERAL INSTRUCTIONS

1. Admissions to the Integrated BSc & MSc programmes for the academic year 2024-25 in the Delhi Technological University (DTU) will be done through the Common University Entrance Test: **CUET-(UG)-2024 conducted by the National Testing Agency (NTA).**
2. The admissions will be done purely based on the merit list prepared by CUET-(UG)-2024 score among the registered students at the DTU portal.
3. List of Integrated BSc & MSc programmes offered by DTU: Academic Year 2024-25

S. No.	Programme Name
1	Integrated BSc & MSc in Biotechnology
2	Integrated BSc & MSc in Chemistry
3	Integrated BSc & MSc in Economics
4	Integrated BSc & MSc in Mathematics
5	Integrated BSc & MSc in Physics

4. A separate registration form to apply for DTU's Integrated BSc & MSc programme will be released on the University's official website www.dtu.ac.in. Candidates are required to fill in their CUET (UG) 2024 scores obtained in the respective courses in the application form.
5. The registration fee of Rs. 1500/- for all GN/OBC/EWS/SC/ST/PwD, is to be paid online through credit card/net banking at the time of registration. After completing the registration form successfully if a candidate does not pay the registration fee, he/she will not be considered for any seat allotment in any round of the counselling. **The fee paid for the registration for admission shall not be refundable.**
6. It is the responsibility of the candidates to ascertain whether he/she possesses the requisite eligibility and qualifications for admission as specified in this brochure.
7. If a candidate is found ineligible at any stage before or after admission or during any stage of the programme, his / her candidature / admission will be cancelled without any notice and suitable action shall be initiated against him / her including forfeiture of the fee.
8. The applicants are advised to preserve the online registration form as well as acknowledgement details, if any for future reference.
9. While filling up the registration form, the candidate must verify the correctness of all the particulars furnished by him/her. In case any candidate is found to have furnished false information or is found to have concealed any material information in his / her application/registration form, **he / she will be debarred from admission and forfeiture of the fee.** Further, University reserves the rights to take suitable actions against the applicant in this regard.
10. After the registration form is complete in all respect and all the required documents have been uploaded, the candidate must confirm all the details before final submission. The candidate will not be permitted to edit/change details filled in the registration form once the candidate submits the form.
11. Candidates must ensure that **Mobile Number and Email address** provided by them must be valid and should belong to the candidate or his/her immediate family members. These details will be used by the University for future

communications with the candidate. University would not be responsible for communication not being made due to non-existent/faulty communication details provided by the candidate.

12. It is in the interest of the candidate to remember his/her password and keep it highly confidential, to avoid misuse by other candidates.
13. Merit list will be declared on the university website only and no separate intimation will be sent to the candidates regarding declaration of merit list and for admission.
14. Final dates of commencement of admissions/detailed schedule and last date of admission will be uploaded on the DTU website (www.dtu.ac.in).
15. The candidates will be called for admission depending upon the number of seats available in each programme. The offer of admission shall be extended only to the qualified and eligible candidates strictly in order of merit.
16. The list of documents required for admission counselling is mentioned in section 6 of this brochure. **Candidates are advised to bring/upload, wherever specified, all the relevant documents as detailed in this brochure at the time of admission.**
17. The candidate seeking admission under reserved categories has to mandatorily

produce the **caste/category certificate** in his/her name at the time of counselling. The certificate in the name of either of the parents (mother/father) or any other family member is not acceptable and the candidate will not be entitled even for provisional admission. The caste/ category certificate must be uploaded in online admission portal as well.

18. It is the sole responsibility of the candidate to prove his / her eligibility for claiming reservation under any of the reserved categories. A candidate who is offered a seat under reserved category / sub-category in any round of seat allotment and fails to produce appropriate document in support, his/ her allotted seat will be cancelled and he/she shall be considered for allotment in GENERAL (GN) category in subsequent rounds on submission of a written request by the candidate to the University in this regard, subject to eligibility, availability of vacant seats and his/ her merit. University reserves the right to accept or reject such requests.
19. EWS and OBC (NCL) candidates are required to produce concerned certificate issued after March 31, 2024 from the authorities.
20. Candidates are advised to keep checking the website www.dtu.ac.in for further updates regarding the admission process for Integrated BSc & MSc programme.

For any queries, please write to us at

**Chairperson
Integrated BSc & MSc programme
Dean (Academic-PG) Office
Delhi Technological University
Delhi – 110042, Delhi, India
Email: coordinator_bscmsc@dtu.ac.in**

About **DELHI TECHNOLOGICAL UNIVERSITY**

Delhi Technological University (DTU), a leading World Class University, plays a vital role in National and Global Knowledge Network. It is empowering India with the Wings of Knowledge and Power of Innovations. With more than 82 years of tradition of excellence in “Engineering & Technological Education” and “Research & Innovations”. DTU came into being after the reconstitution of the Delhi College of Engineering by the Government of NCT of Delhi in 2009, by Act 6 of 2009, passed by the assembly of the NCT of Delhi. It is a non-affiliating, teaching and research University, committed to achieve excellence in Engineering, Science, Technology, Management and allied areas and matters connected therewith or incidental thereto. The university, in its various avatars, namely, the ‘Delhi Polytechnic’ and ‘Delhi College of Engineering’ (DCE), has been serving the nation and the global community since its inception in 1941, by providing trained manpower of highest quality in the field of engineering and technology, and, is globally well known for its outstanding education, research and innovations. The University currently offers various inter-disciplinary and industry relevant programmes in Science, Technology, Management, and allied areas at Undergraduate, Postgraduate and Doctoral level. The University has established a strong academia-industry interface and has collaborations with reputed research organizations, industries, and premier institutions. A great many alumni of the institute have excelled at home and abroad and through their contributions to the profession of engineering. They have brought high honour and enhanced the dignity of engineering fraternity being rolled out from institutions in India. 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.

Vision & Mission of DTU

VISION

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

MISSION

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

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

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

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

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



LOCATION:

Delhi Technological University is situated at Shahbad Daulatpur, Rohini in North - West Delhi, India. It is approximately 32 kilometers from the Indira Gandhi International Airport, New Delhi and the nearest Metro stations are Samaypur Badli/Rithala. Once at Samaypur Badli/Rithala, board local transport, auto or bus to get down at DTU, which is 3-4 kms far from Samaypur Badli/ Rithala Metro Station.

Programmes Offered

The University offers 14 Undergraduate engineering programmes (B.Tech.) and three bachelor programmes [i.e. B. Des., BBA, BA (Hons.) Economics], 25 M. Tech. programmes, 5 MBA programmes, 4 M.Sc. programmes, 5 Integrated BSc & MSc programmes, MA (Economics), M. Des. Programme and M. Tech. by Research programmes. The university offers Ph. D. programmes in all areas of engineering, science, management, design, and economics. The UG and PG programmes of DTU offer the most modern curricula, based on the Choice Based Credit System (CBCS), and ENP 2020 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 different platforms such as NPTEL and SWAYAM. The curriculum is regularly updated keeping in view the new technologies and changes in the needs of industries and society.

Faculty and Research

The university has a very talented pool of experienced, as well as young faculty members who are well qualified in their area of specialization and have very good national and international exposure. To engage the students and faculty in research and innovation the university offers provisions like funding for students' innovative projects, financial assistance to students for attending internship overseas, research project grants 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. The University provides funds to faculty and students to organize and attend various faculty development programmes, seminars, and conferences.

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 2(f) and 12-B status by the

University Grants Commission (UGC). Many of its UG & 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 8th by India Today's best government engineering colleges ranking 2023. The 2023 NIRF rankings placed DTU at the 29th position among the engineering institutions and at 40 in the categories of universities. DTU has been placed at 801-1000 bracket in the Times Higher Education World University Ranking 2024.

Campus and Infrastructure

DTU has 164 acres of a lush green, tech-savvy main campus, consisting of 16 academic departments, research centers, and residences for students, faculty, and staff. At present the university has around 15,000 students in its undergraduate, postgraduate, and Ph. D programmes. DTU has an EDUSAT Studio utilized for recording lectures, events, and talks. Besides the main campus, the university has another campus in East Delhi, where some of the M.B.A. programmes, B. A (Hons.) Economics and B.B.A. programmes are offered. The newly established East Delhi Campus of DTU has been functional since the 2017-18 academic session. It is located at Vivek Vihar, Phase II, Delhi. This campus endeavours to provide quality education, research, and innovation in the emerging areas of management, relevant to industry and society.

Computer Centre

DTU has a well-equipped centralized computer centre to cater to the needs of students and faculty in the university. It is housed, in a magnificent state-of-the-art building having specialized laboratories to provide variety of platforms and computing environment for UG, PG and research students. The centre possesses several servers and over 275 Dell intel core i5 computer systems. In addition, the centre

has more than 15 servers hosting different applications such as websites & portals, SPSS, Mathematica, MatLab, DNS, LDAP, proxy, Email services, Network Monitoring System (NMS) etc. and 4 SUN CAD workstations meant for use by UG/PG/PhD students for their projects and research work. The centre is networked through high-end intelligent Juniper/Avaya/CISCO/Brocade/Ruckus manageable switches and possesses round the clock two leased lines of 10 Gbps link of NKN and 1Gbps link of Reliance Jio with shared bandwidth in different pipes for the Wi-Fi connectivity in the Library, Academic Departments, Administrative Blocks, Sports Complex, Faculty Residence and Hostel blocks of the campus, with internet facilities on all the nodes. It also has the latest versions of compilers, scientific, technical, and engineering software, training kits etc. for the students of different branches of engineering.

Central Library

Delhi Technological University library, with a collection of more than 2,00,000 text and reference books and a large number of e-journals, e-books, manuscripts in digital format, is one of the highly rich engineering libraries in the country. Library provides remote access facility to all its readers by using cloud based remote access software. The library also helps researcher to maintain proper integrity and ethics and provides the facility of similarity check to avoid instances of plagiarism. It has a very active presence on Facebook. Various current awareness services and user information literacy programmes are continually organized throughout the year. The library building is a four storied, aesthetically designed, centrally air-conditioned structure with a seating capacity of 500. Library is updated regularly by way of adding new literature in the form of text books, reference books, reports, proceedings, abstracts & indexes, encyclopaedias, data books, standards (National & International), Journals & database on CD-ROM.

Hostel

Hostel life is one of the most enjoyable and memorable times of one's life. There are 11 boy's hostels and 03 girl's hostels in DTU, besides, one separate hostel for international students (boys). Each hostel in the campus gives each individual ample opportunity to develop various qualities as each hostel is equipped with recreation room, reading room, mess and gymnasium. Additionally, every hostel subscribes to the latest magazines and newspapers for the residents. The hostels are connected to the campus via the campus wide wi-fi network and LAN which enables the residents to browse the internet and access the online library resources for their academic and research related work. The information of all available accommodation will be posted on the University website. However, limited seats could be provided inside the University premises. In addition, the mess facility at the University can be availed by all the students.

Centre for extension & field outreach

Centre for Extension and Field Outreach was established in DTU in the year 2018. The various activities/ programme performed by the Centre is to sensitize the students to develop social values, widespread their responsibilities and knowledge in societal issues and problems by making them to involve with the community people. DTU is a Participating Institute under under "Unnat Bharat Abhyan"- a Project of Ministry of HRD, Govt. of India and adopted five villages and are conducting classes in their schools. Directorate of Education, Govt. of NCT of Delhi awarded a Project "Youth for Education" and has launched "Desh Ke Mentor", which is one of the largest mentoring programmes in school education. Centre has also started a certificate course titled as "Basic Computer Course" Under Lab on Wheels (LOW) Scheme for the candidates from the Government Schools of NCT of

Delhi or from society. Centre at DTU is coordinating with Delhi Police conducting Skill development programme through one-month basic computer training to Juveniles in conflict with law/ weaker section in Rohini. Centre is regularly organizing Seminars/ online webinars/ workshops/ Awareness programmes etc and is working towards increasing productivity, enhancing skills and abilities, focusing on growth and helping people to work on their own future development.

Innovation and incubation foundation (DTU-IIF)

DTU-IIF is a Technology Business Incubator (TBI) established in 2016 as a non-profit section 8 company. Currently, this TBI is supported by the Government of Delhi and Delhi Technological University. DTU-IIF helps start-up companies and individual entrepreneurs to develop their business ideas by providing a range of services including co-working office space, mentoring support, funding support with venture capital financing, and other supports & resources they need, all under one roof. During last five years, IIF provided 70 lakhs of funds to 56 start-up companies. Also, DTU-IIF promotes the culture of innovation and Entrepreneurship by organizing various webinars/workshops/Hackathons, etc. The Business Review Committee screens the new ideas and recommends incubation at DTU-IIF. The Finance Review Committee recommends the investment of Rs. 7.5 lakh per start-up. Delhi Technological University established Technology Business Incubator (TBI) in the name of DTU Innovation and Incubation Foundation (DTU-IIF). DTU-IIF was incorporated as Section 8 Company on 06.09.2016.

Sports and Other Outdoor Activities

The students of DTU are provided with excellent facilities for indoor and outdoor games. DTU has 4 x 400 m racing track,

fields for football, hockey, cricket, courts for volleyball, basketball, tennis, badminton, along with facilities for indoor games. A well-equipped gymnasium is also available in the campus in addition to gym facilities in each hostel. The university has appointed coaches in almost all the games to coach the students and prepare university teams. Students are encouraged to participate in various sporting events and tournaments held in, and around, NCR of Delhi. From academic year 2018-19, as per the revised curriculum, the university offers foundation electives to the students of first year and second year and in these sports have big share of electives.

A large number of bright and capable scholars, having graduated from the Institute, have distinguished themselves by means of their extraordinary achievements in their chosen professions and by their contributions to the society at large.

DCE-DTU Alumni Network

DCE-DTU Alumni are serving leadership positions in many of the best-known companies in India and abroad, in marketing, finance, human resources, information technology, research & analytics, innovation & entrepreneurship. And the worldwide network of illustrious alumni includes world-known personalities like Prof. Vinod Dham (Father of the Pentium Chip), Dr. Raj Soin (Founder, CEO of Soin, and LLC), Prof. D. Yogi. Goswami (Inventor, Author, Entrepreneur and Educator), Dr. Durga Das Aggarwal (President, CEO Piping Technology & Products, Inc). Mr. Vijay Shekhar Sharma, (Founder of Paytm), Sh. Karnal Singh (Former Chief of Enforcement Directorate), Sh. Arun Goyal (Member-CERC & Former Secretary, Cabinet Secretariat).

Alumni have been traditionally contributing generously towards placement opportunities, sponsorships/ Fellowship programs and infrastructural developments

of their alma mater. Donations for Raj Soin Hall by Dr. Soin, Clean Energy Research Centre establishment by Prof. Yogi Goswami, and several scholarships for the students of DTU have shown the dedication of the alumni for the betterment of their alma mater.

Events and Festivals

The university organizes annual cultural, literary, sports and technical festivals. These festivals not just provide an opportunity to the students to connect with the professional world, but also display their creative and technical skills in several interesting events and activities organized during the fests. The ENGIFEST, one of the most well attended student's cultural event in northern India and the YUVAAN, the literary Fest, is 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 activities and competition. The AAHVAAAN is the annual sports fest organized by DTU sports council.

Medical Facilities

DTU has a well-equipped health care centre, where the medical practitioners are available to the students requiring medical attention. The healthcare centre has specialized medical practitioners including ENT, dental care, Physiotherapy, Nutrition, Gynaecology and Obstetrics etc. Further, medical camps are also being organized by the University on regular basis. In addition, Ambulance facility is also available in case of emergency. The University has also tie-ups with the major hospitals of Delhi for emergency cases.

More information about DTU can be accessed at www.dtu.ac.in.

1. Integrated BSc & MSc Programmes

The integrated BSc & MSc program is a multi-dimensional and flexible program with multiple entry and exit points. It is being floated by Sciences Departments of DTU, however NEP guidelines provide flexibility to the students to choose interdisciplinary courses from Applied Sciences and Engineering Departments. This unique basket of opportunities provided by a technical university like DTU, of international repute, with proven heritage, will catapult the students to new success trajectories. It will enable them to harness multifaceted prowess for entrepreneurial, industry and research initiatives for achieving individualistic goals as part of the Viksit Bharat vision.

The 5-Year Integrated BSc & MSc degree programme offers quality education in the disciplines of Biotechnology, Chemistry, Economics, Mathematics, and Physics. The course is designed to provide a basket of 'Elective' courses as an integral component of curriculum, for catering to the varied interests of the students, so that students can develop 'specialization' in the areas of their academic and professional interest. The interdisciplinary content of the curricula which is based on Choice Based Credit System (CBCS) guidelines issued by University Grants Commission (UGC) equips the students with the ability to utilize scientific knowledge foundation for practical and industrial applications. The Integrated BSc & MSc Programme offers multiple entry and exit commensurate with the guidelines of NEP 2020 for flexible and comprehensive education.

1.1 Eligibility conditions

- i. The candidate must have studied and passed Class XII Examination or its equivalent from a single recognized board. For example;

*If a candidate has appeared in CBSE Board Examination with five subjects except for Mathematics and later appears and passes Mathematics from

another board such as the National

Institute of Open Schooling (NIOS), the minimum eligibility shall be ascertained from his/her mark sheet issued by CBSE only).

- ii. The candidate must have passed Class XII examination of any Board / University examination in India, or any foreign country recognized as equivalent to the 10+2 system by the Association of Indian Universities (AIU) with a minimum of 50% marks or equivalent grade (45% marks or equivalent grade for SC/ ST or relaxation as per Govt Delhi guideline).

NOTE: In case CGPA is given and conversion formula has not been provided by the concerned Institute/ Board then equivalent CGPA will be computed as per the following

Percentage of Marks= 10 × CGPA

- iii. It is mandatory for the candidate to appear in CUET (UG) – 2024 in those subjects in which s(he) is appearing/has passed Class XII. In case the subject studied at Class XII is not mentioned in the CUET (UG) - 2024, the candidate must appear in the Language/Domain Specific subject that is similar/closely related to the subject s(he) has studied at Class XII (for example, if a candidate has studied Biochemistry in Class XII, s(he) must appear in Biology in CUET (UG) – 2024).
- iv. It is mandatory for the candidate to pass in English with a minimum of 35% marks in class XII or equivalent examination, or secured 35% marks in English in CUET (UG) 2024.
- v. AGE: Not to be more than 22 years on 1st July 2024 (applicant should be born on or after 1st July of 2002).
- vi. The admission will be based on the CUET (UG) – 2024 score of three subjects as per the details given in **Table 1:**

Table 1. List of Compulsory and other subjects for merit list preparation

S. No.	Integrated BSc-MSc	Compulsory Paper	Other subjects
1	Biotechnology	Biology/Biological Studies/Biotechnology/Biochemistry (304)	Best two from the following: (i) Mathematics/Applied Mathematics (319) (ii) Physics (322) (iii) Chemistry (306)
2	Chemistry	Chemistry (306)	Best two from the following: (i) Mathematics/Applied Mathematics (319) (ii) Physics (322) (iii) Biology/Biological Studies/ Biotechnology/ Biochemistry (304)
3	Economics	Mathematics/ Applied Mathematics (319)	Best two from the following: 302; 303; 304; 305; 306; 307; 308; 309; 310; 311; 313; 314; 316; 317; 319; 322; 323; 326
4	Mathematics	Mathematics/ Applied Mathematics (319)	Best two from the following: (i) Chemistry (306) (ii) Physics (322) (iii) Biology/Biological Studies/ Biotechnology/ Biochemistry (304)
5	Physics	Physics (322)	Best two from the following: (i) Mathematics/Applied Mathematics (319) (ii) Chemistry (306) (iii) Biology/Biological Studies/ Biotechnology/ Biochemistry (304)



1.2 Seat Matrix

Detailed seat matrix indicating seats in various departments under different categories is given in Table-2.

Table-2. Seat Matrix for Integrated BSc & MSc Programme for the Session 2024-2025

Category	Department/ Branch	AC	AM	AP	BT	HU
		Chemistry	Mathematics	Physics	Biotech.	Economics
General	Open	10	10	10	10	10
	PwD	01	01	01	01	01
	Defence CW	01	01	01	01	01
Total Gen Seats		12	12	12	12	12
SC	SC	05	04	05	04	05
	SC-PwD	--	--	--	01	--
	Defence CW	--	01	--	--	--
Total SC Seats		05	05	05	05	05
ST	ST	02	02	02	02	02
	ST-PwD	--	--	--	--	--
	Defence CW	--	--	--	--	--
Total ST Seats		02	02	02	02	02
OBC	OBC	07	08	07	08	07
	OBC-PwD	01	--	--	--	01
	Defence CW	--	--	01	--	--
Total OBC Seats		08	08	08	08	08
EWS	EWS	03	03	03	03	03
	EWS-PwD	--	--	--	--	--
	Defence CW	--	--	--	--	--
Total EWS Seats		03	03	03	03	03
Total Seats		30	30	30	30	30
Kashmiri Migrants (KM)		1	1	1	1	1
Single Girl Child (SGC)		1	1	1	1	1
Total Seats (All Categories)		32	32	32	32	32

*Any students who will be completing all the requirements of their qualifying examination including back paper(s)/supplementary(ies) before the date of admission may also apply. Such candidates will be required to submit a certificate as per the proforma given in **Annexure-1** along with the application form. Such candidates may be admitted provisionally but they will be required to produce the proof of

having passed the qualifying degree with the required percentage of marks or CGPA latest by September 30, 2024, failing which their admission shall be cancelled and fees will be forfeited.

1.3 Medium of Instruction

The medium of instruction is English for the programme.

2. Reservation of Seats for Different Categories and Relaxation in Essential Qualifications

Admissions to the Integrated BSc & MSc programmes will be made on All India basis. In addition to this, 01 (One) seat in each programme of DTU, over and above their normal intake, is earmarked for Single Girl Child (SGC) candidate and 01 (one) seat in each Programme is reserved for Kashmiri migrant. However, there will be no

relaxation in the minimum eligibility criteria for SGC and Kashmiri migrants (KM).

Table 3 indicates the percentage of reservations for various categories and relaxation in minimum eligibility conditions as applicable for the academic session 2024–2025.

Table-3. Reservation of Seats for Different Categories and Relaxation in Essential Qualifications

S. No.	Category	Seats reserved	Relaxation in Essential qualification
1	Scheduled Castes (SC)	15%	5%
2	Scheduled Tribes (ST)	7.5 %	5%
3	Other Backward Classes (OBC)	27%	NIL
4.	Economically Weaker Section (EWS)	10%	NIL
5.	Sub Category Persons with Disability (PwD)	5%	5%
6.	Sub Category Defence Personal (CW)	5%	NIL

2.1 Reservation Policy:

- Scheduled Caste (SC):** 15 % of the total seats are reserved for Scheduled Caste candidates.
- Scheduled Tribe (ST):** 7.5 % of the total seats are reserved for Scheduled Tribe candidates.
- Other Backward Class (OBC- NCL):** 27% of the total seats are reserved for Other Backward Class (Non-Creamy Layer) candidates.
- Economically Weaker Section (EWS):** 10% of the total seats are reserved for Economically Weaker Section candidates.
Sub-categories namely 'Defence' and 'Person with Disability' are available under each category (General, SC, ST, OBC-NCL, EWS).
- Defence Personnel (CW):** 5% of the total seats (Horizontal) in each category are reserved for candidates belonging to Defence sub-category in the following

priority:

Priority I – Widows/wards of Defence Personnel killed in action.

Priority II – Wards of disabled in action and boarded out from service.

Priority III – Widows/wards of Defence Personnel who died in peace time with death attributable to Military Service.

Priority IV – Wards of disabled in service and boarded out from service with disability attributable to military service.

Priority V – Wards of serving Defence Personnel and ex-servicemen who are in receipt of the following Gallantry Awards:* 1. ParamVir Chakra 2. Ashok Chakra 3. Mahavir Chakra 4. Kirti Chakra 5. Vir Chakra 6. Shaurya Chakra 7. Sena/ NauSena/ Vayu Sena Medal 8. Mention-in-Despatches 9. President's Police Medal for Gallantry 10. Police Medal for Gallantry

Priority VI – Wards of Ex-servicemen.

Priority VII – Wives of:

- i. Defence personnel disabled in action and boarded out from service
- ii. Defence personnel disabled in service and boarded with disability attributable to military service
- iii. Ex-servicemen and serving personnel who are in receipt of Gallantry awards.

Priority VIII – Wards of Serving personnel.

Priority IX – Wives of Serving personnel.

Note:* These medals are awarded for Gallantry as well as for distinguished service. Accordingly, it is notified in correspondence as under: (a) Sena Medal (G)/ NauSena Medal (G)/ Vayu Sena Medal (G) for the medal awarded for Gallantry. (b) Sena Medal (D)/ NauSena Medal (D)/ Vayu Sena Medal (D) for the medal awarded for Distinguished Service. However, for the purpose of reservation, only notification which states that the Medal has been awarded for Gallantry will be accepted and the Medal for Distinguished Services will not be accepted.

- f. Person with Disability (PwD):** 5% of the total seats (Horizontally) in each category are reserved for candidates belonging to 'Person with Disability' sub-category. Candidate's seeking admission must fulfil the eligibility conditions as detailed earlier. The 5% reservation horizontally for persons with disability may be allocated as detailed in Seat Matrix. The format of disability certificate is available as **Annexure-3**.

Against the seats identified for each disability, of which, one percent each shall be reserved for persons with benchmark disabilities under clauses (a), (b), and (c) and one percent, under clauses (d) and I.

- a) Blindness and low vision;
- b) Deaf and hard of hearing;
- c) Locomotor disability including cerebral palsy, leprosy cured, dwarfism, acid attack victims and muscular dystrophy;

- d) Autism, intellectual disability, specific learning disability and mental illness;
- e) Multiple disabilities from amongst persons under clauses (a) to (d) including deaf-blindness.
- f) Physically handicapped applicants are permitted 5% marks of equivalent CGPA relaxation in eligibility requirement in line with the policies of Govt. of NCT of Delhi. They will not be allowed any other relaxation beyond this limit even if they belong to SC/ST category.

- g. Kashmiri Migrants (KM) (Supernumerary): (One) seat over and above the total intake of all programme is available.
- h. Single Girl Child (SGC) (Supernumerary): 01 (One) seat in each programme, over and above their normal intake, is earmarked for Single Girl Child candidate (Girl having no brother and sister alive).

2.2 Seat Conversion rules:

- a. After exhausting the complete list of PwD and CW subcategories if there are vacant seats, the vacant seats in these subcategories will be transferred to respective main category (GEN/SC/ST/OBC/EWS).
- b. After exhausting the complete list of SC, ST, OBC and EWS candidates, the vacant seats will be treated as unreserved in the Spot Round. The conversion of vacant seats will be done only in the **Spot Round** as per the following procedure:
- c. If the complete list of ST candidate exhausts, then the remaining vacant seats under this category will be filled from the list of SC category candidates or vice versa as per merit.
- d. If the complete list of SC/ST candidate exhausts, then the remaining vacant seats under this category will be filled by creating equal number of seats in GN, category as per merit.

- e. If the complete list of EWS candidate exhausts, then the remaining vacant seats under this category will be filled from the list of GN, category candidates as per merit.
- f. If the complete list of OBC candidate exhausts, then the remaining vacant seats under this category will be filled from the list of GN, category candidates as per merit.

3. Online Registration Process/Counselling Process

For admission to Integrated BSc & MSc programmes 2024, candidates need to register and fill the registration form ONLINE through the website www.dtu.ac.in after the advertisement.

The guidelines indicated in the Online registration form must be carefully read by all applicants before filling the Online registration form. The registration process is completed only when a print out of the filled ONLINE registration form is taken after successful registration and candidates paying ONLINE registration fee, which has to be submitted/uploaded at the time of admission/counselling in the University along with two good quality photographs **(same as uploaded on online application form)** affixed in the appropriate place on the form.

Candidates, whose final result is awaited, may also fill the online registration form provided he/she has score in CUET (UG) 2024 exam. Once the candidate has registered and paid the registration Fee, he/ she would be required to upload an Undertaking as per the format given in the Brochure **(Annexure-I)** while filling up the registration form. The candidates would require to submit their final mark lists/degree by September 30, 2024. Detailed notification in this regard will be published on the University website.

3.1 Registration Fee

The registration fee of Rs. 1500/- for GN/OBC/EWS/ SC/ST/PwD, is to be paid online through credit/net banking at the time of registration and choice filling. The registration shall not be complete without the payment of registration fee which is non-refundable and would not be adjusted

towards any other fee. Convenience charge (online transactions) will be charged over and above the Online Registration as per the charges for the payment gateway on every online registration fee payment.

3.2 Details of Entrance Test

The admission to the following Integrated BSc & MSc programmes for the academic year 2024-25 will be based on the rank obtained in the Common University Entrance Test: **CUET-(UG)-2024 conducted by the National Testing Agency (NTA)**. The details of test paper codes and respective programme names are given in **Eligibility Section 1.1 (Table-1)**.

The students are advised to check the DTU website (www.dtu.ac.in) regularly for updates and additional information.

3.3 Rules for Seat Allotment

- Merit list will be prepared based on the CUET (UG)-2024 score/rank among registered students at DTU as per the group of subjects given in **Table 1** (Eligibility Condition 1.1).
- A tentative schedule and the merit list will be displayed on the University's website, www.dtu.ac.in. NO separate intimation will be sent to the candidates individually.
- Merit list will be declared on the university website only and NO separate intimation will be sent to the candidates regarding declaration of merit list and for admission.
- To resolve and determine inter-se-merit of candidates having same CUET (UG) score, following criterion will be used in the stated order of preference.

In unlikely event of their CUET (UG) 2024 score being the same, preference will be based on the CUET (UG) 2024 score of the **Compulsory Paper** in the course applied.

Date of Birth will be compared and elder candidate will be given preference;

In highly unlikely event of date of birth being same, the rank will be decided on the basis of higher marks/ CGPA obtained in the qualifying degree.

- e. In Case a candidate wishes to be considered in any other department other than the one he/she has given as first preference, the Merit list of the Department he/she is applying for upgradation, shall be considered.

3.4 First round of admission

- The merit list will be displayed for the first round of admissions along with first round admission schedule on the university website **www.dtu.ac.in** and department notice boards.
- The selected candidates in first round of admission shall pay the requisite fee through online (or) demand draft in Favour of **“Registrar, Delhi Technological University” payable at New Delhi** and submit a copy of fee receipt back to the respective department. Admission shall not be valid without payment of fee and submitting the fee receipt to the department.
- The candidate shall have to produce the relevant documents in original (as notified in section 6) for verification at the time of admission. If a candidate fails to report for admission on the scheduled date OR he/ she is not able to submit the required documents or fee, he/ she shall forfeit his/her claim for admission and the seat shall be offered to the next eligible candidate in the order of merit. Further, the candidate will not be eligible for subsequent rounds.
- A candidate can send his authorized representative with all the required documents and fee to report for

admission in case he/she is unable to report for admission in person. The authorized representative must come with the authorization letter duly signed by the candidate.

- e. The candidate may freeze his/her admission in a particular Integrated BSc & MSc Programme, by filling up a freezing form and submitting the same in the department concerned as per the schedule displayed on the admission website.

3.6 Spot round of admission (Subject to availability of seats)

- The SPOT ROUND shall be conducted depending upon the availability of vacant seats in programmes offered.
- All the registered and eligible candidates who have not secured a seat in the first round of counselling i.e. candidates who have been allotted but not accepted a seat and those who have not been offered a seat, are eligible for spot round. The registered candidates who were allotted seat in first round of counselling, but the seat was cancelled due to some deficiencies (or legitimate reason) are also eligible for this round provided the deficiencies are removed.
- For detailed information on spot round, candidates are advised to visit the University website **www.dtu.ac.in**.
- Participating candidates need to report in person at the Spot Round venue (Respective Department Office) as per spot round schedule and mark their attendance within reporting time. No candidates shall be allowed after the reporting time.
- Candidates who cannot come physically can authorize their parent/relative/guardian/friends as their representative to participate in SPOT round on their behalf and complete admission formalities. No other relaxation will be given in the procedure of admission. Such candidates are also advised to

send a copy of authorization letter on admission support email (coordinator_ bscmsc@dtu.ac.in).

- f. Candidates will be called in order of their merit rank as per vacant seat availability.
- g. The selected candidates in spot round of admission shall deposit the requisite fee through online (or) **demand draft in favour of “Registrar, Delhi Technological University” payable at New Delhi** and submit a copy of fee receipt back to the respective department. Admission shall not be valid

without payment of fee and submitting the fee receipt to the department.

h. Admission Fee will not be refunded to the spot round admitted students.

*Special spot round may be conducted by the university after the spot round depending upon the availability of vacant seats.

** Any change in the counselling schedule due to unforeseen circumstances shall be announced on the university website. Candidates are advised to visit the website regularly.

4. Fee Structure:

The detailed fee structure for Integrated BSc & MSc Programme is given in Table-4.

Table-4. Detailed Fee Structure for Integrated BSc & MSc Programme

S. No.	Particulars	Fee in AY 2024-25 (Rs.)	Fee in AY 2025-26 (Rs.)	Fee in AY 2026-27 (Rs.)	Fee in AY 2027-28 (Rs.)	Fee in AY 2028-29 (Rs.)
1	Tuition Fee	39,300	41,300	44,300	46,300	49,300
2	Non-Govt. Component					
2.1	Student Welfare Fee (Co-curricular activities, Training & placement, Extra Curricular Activities, Annual Gathering, Students welfare, Institutional Development, outsourcing, conference, seminar, workshop, innovative projects, skill development activities and, Misc. Expenditure on Unspecified Items)	12,000	13,500	15,000	15,500	15,500
2.2	Facilities & Services Charges (Research initiatives, training programmes, Awards, automation, facilities, entrepreneurship activities, and any misc. expenditure on unspecified items)	12,000	13,500	15,000	15,500	15,500
2.3	Economically weaker section fund	6,000	6,000	6,000	7,000	7,000
2.4	Examination fee (Examination Infrastructure strengthening, expenditure on examination activities, confidential printing etc.)	5,000	5,000	5,000	6,000	6,000
2.5	DTU Medical facilities and premium amount for medi-claim of student (per annum)	700	700	700	700	700
	GRAND TOTAL	75,000	80,000	86,000	91,000	94,000

The annual fee of the Integrated BSc & MSc programme will have to be deposited online or through DD by the candidate at the time of admission on the university website.

Candidates must note that the admission fee must be paid in single instalment failing which the admission offer will be withdrawn immediately.

5. Withdrawal / Refund Policy

The University follows the policy given in **Table-5** for the remittance and refund of fee, if a student chooses to withdraw from programme of study in which he / she is enrolled.

Table-5. Withdrawal and Fee Refund Policy

S. No.	Percentage of Refund of aggregate fee	Point of time when application for withdrawal of admission received
1.	100%	15 days or more before the formally notified last date of admission
2.	90%	Less than 15 days before the formally notified last date of admission
3.	80%	15 Days or less after the formally notified last date of admission
4.	50%	30 Days or less, but more than 15 days after formally notified last date of admission.
5	00% (NIL)	More than 30 days after formally notified the last date of admission.

Note: Last date of admission is 11.09.2024 for all Integrated BSc & MSc Programmes. Any change will be notified separately on DTU website. Candidates are advised to visit DTU website www.dtu.ac.in regularly for notification.

6. Documents Required

Candidates are required to submit the following documents in original along with **ONE set of self-attested photocopies of the original documents, two recent passport size photographs, printout of the registration form duly signed by the candidate and annual admission fee receipt paid online on the university website, for the purpose of verification at the time of admission.** The original documents will be returned to the students after verification. Candidates are advised to visit University website regularly for notification in this regard.

1. Date of Birth proof /10th certificate.
2. All mark sheets and certificate of qualifying examination (Class XII).
3. If Result for final exam is not declared, then candidate will be required to submit an Undertaking as per format placed at **Annexure-1**.
4. SC/ST/OBC/Persons with disability Certificate(s) whichever applicable, on the basis of which reservation is claimed.
5. Candidates applying for any reserved seat (i.e. EWS, SC, ST, OBC-NCL, SGC, CW, KM) must produce the original certificates (as applicable) issued from an approved district authority, at the time of document verification.
6. OBC (NCL) candidates are required to produce a caste certificate issued after March 31, 2024 from the authorities as mentioned in **Annexure 2**. However, if the certificate is issued prior to March 31, 2024, it must be accompanied with an additional certificate regarding the present non-creamy layer status of the candidate, issued by the same competent authority. This additional

certificate must have reference of his/ her already issued original caste certificate.

7. Candidates applying for admission to seat reserved for Differently Abled Person (PwD) sub-category, the candidate must produce the certificates in original at the time of document verification as per **Annexure-3**.
8. The benefit of reservation under EWS can be availed by persons who are not covered under the scheme of reservation for SCs, STs and OBCs upon production of an Income and Asset Certificate issued by a competent authority based upon the Income and Assets criteria. The details and prescribed format issued by the Competent Authority is detailed at **Annexure-4**.
9. For admission to a seat reserved for Defence sub-category (CW), candidate must produce the following certificates (as applicable), in original, at the time of document verification as per format available at **Annexure-5**.
10. The candidates seeking admission under SGC category can submit an affidavit duly attested by competent authority as per **Annexure-6**.
11. The candidates seeking admission under Kashmiri Migrants (KM) seats must produce the following documents, in original, at the time of document verification:
 - a. Certificate of registration as Kashmiri Migrants issued by the Relief Commissioner, Jammu or Divisional Commissioner, Delhi to establish the status of the applicant as registered migrants as per **Annexure-7**.
 - b. Proof of property in Kashmir of the parent of the candidate.

7. COURSE CURRICULUM OFFERED FOR INTEGRATED BSc & MSc PROGRAMMES

Structure of 5-Year Integrated BSc & MSc programme

The 5-Year Integrated BSc & MSc is a structure for five-year programmes in different disciplines with multiple entry and exit options. The details of the structure are provided below in Tables – 6 and 7.

Table 6. Course Credits summary

All courses are of 4 Credits; #Courses are of 2 Credits; ##Courses are of 6 Credits

S. No.	Course Type	Sem I	Sem II	Sem III	Sem IV	Sem V	Sem VI	Sem VII	Sem VIII	Sem IX	Sem X	Total Credits	Credits Division
1	DCC	3	3	3	3	3	2	3	2	3	3	112	28×4 = 112
2	GEC*	1	1	1#	-	-	-	-	-	-	-	10	4+4+2 = 10
3	DEC/ GEC**	-	-	1	1	2	2+1#	1#	1+1#	-	-	34	7×4 = 28 + 3×2 = 6
4	DEC	-	-	-	-	-	-	-	-	1	1	8	4+4 = 8
5	AEC	1#	1#	1#	1#	-	-	-	-	-	-	8	2×4 = 8
6	SEC	1#	1#	1#	1#	-	1#	-	-	-	-	10	2×5 = 10
7	VAC	1#	1#	-	1#	-	-	-	-	-	-	6	2×3 = 6
8	Summer intern.	-	-	-	-	1#	-	-	-	-	-	2	2×1 = 2
9	Project	-	-	-	-	-	-	1##	1##	1##	1##	24	6×4 = 24
	Total		44		88		130		170			214	

*GEC1-3: Multidisciplinary science

**DEC/GEC: Minor Track

Table 7. Course Structure

Sem.	DCC (Cr)	DEC (Cr)	GEC (Cr)	AEC (Cr)	SEC (Cr)	VAC (Cr)	Intern ship/ Projects (Cr)	Total Credits
I	DCC 1(4) DCC 2(4) DCC 3(4)	-	GEC 1(4) Multi-disc.	Choose one from a pool of AEC courses (2)	Choose one from a pool of SEC courses (2)	Choose one from a pool of VAC courses (2)	-	22
II	DCC 4(4) DCC 5(4) DCC 6(4)	-	GEC 2(4) Multi-disc.	Choose one from a pool of AEC courses (2)	Choose one from a pool of SEC courses (2)	Choose one from a pool of VAC courses (2)	-	22
Students on exit after one year shall be awarded Undergraduate Certificate (in the Field of Study) after securing 44 credits of I and II semesters along with a minimum of 4 credits through work-based vocational courses offered during the summer term or through internship/apprenticeship.								44 + 4 = 48
III	DCC 7(4) DCC 8(4) DCC 9(4)	GEC 3(2) Multi-disc. & Choose one from pool of courses, DEC 1 (4) or Choose one from pool of courses, GEC – 4 (minor track) (4)		Choose one from a pool of AEC courses (2)	Choose one from a pool of SEC courses (2)	-	-	22
IV	DCC 10(4) DCC 11(4) DCC 12(4)	Choose one from pool of courses, DEC 2 (4) or Choose one from pool of courses, GEC – 5 (minor track) (4)		Choose one from a pool of AEC courses (2)	Choose one from a pool of SEC courses (2)	Choose one from a pool of VAC courses (2)	-	22
Students on exit after two years shall be awarded Undergraduate Diploma (in the Field of Study) after securing 88 credits of I - IV semesters along with a minimum of 4 credits through work-based vocational courses offered during the summer term or through internship/apprenticeship in first or second year.								88 + 4 = 92
V	DCC 13(4) DCC 14(4) DCC 15(4)	Choose two from pool of courses, DEC 3 & 4 (4+4) or Choose two from pool of courses, GEC – 6 & 7 (minor track) (4+4)		-	-	-	Summer intern. (2)	22
VI	DCC 16(4) DCC 17(4)	Choose three from pool of courses, DEC 5, 6, & 7 (4+4+2) or Choose three from pool of courses, GEC – 8, 9, & 10 (minor track) (4+4+2)		-	Choose one from a pool of SEC courses (2)	-	-	20
(i) Research Methodology shall be offered in VI semester as DEC 5/ GEC 8 included in minor track. (ii) Students on exit after three years shall be awarded Bachelor of (in the Field of Study) with or without minor after securing 130 Cr (NHEQF Level-5.5)								130
VII	DCC 18(4) DCC 19(4) DCC 20(4)	Choose one from pool of courses, DEC 8 (2) or Choose one from pool of courses, GEC – 11 (minor track) (2)		-	-	-	Project 1 (6)	20
VIII	DCC 21(4) DCC 22(4)	Choose two from pool of courses, DEC 9 & 10 (4+2) or Choose two from pool of courses, GEC – 12 & 13 (minor track) (4 + 2)		-	-	-	Project 2 (6)	20

Students on exit after four years shall be awarded Bachelor of (in the Field of Study) Honours or Honours with research (with or without minor) after securing 170 Cr (NHEQF Level-6.0)							170
IX	DCC 23(4) DCC 24(4) DCC 25(4)	Choose one from pool of courses, DEC 11 (4)	-	-	-	Project 3 (6)	22
X	DCC 26(4) DCC 27(4) DCC 28(4)	Choose one from pool of courses, DEC 12 (4)	-	-	-	Project 4 (6)	22
Students on completing five years shall be awarded Master of Science in (in the Field of Study) with or without minor) after securing 214 Cr (NHEQF Level-6.5)							214

1Project - 1 or Entrepreneurship like startups, business etc. The Project 1 or Entrepreneurship will start in VII semester and continued to VIII semester as Project 2, however, their evaluation will be done in both semesters. Similarly, Project 3 will start in IX semester and continued to X semester as Project 4, however, their evaluation will be done in both semesters.

Course Code: The course code for the DCC, DEC, and GEC shall be in the format IMS_ _xyz, where “_ _” denote the department code; x is the year, and yz is the course number based odd or even semester.

For example, IMSBT 101, IMSBT 103 etc. for odd semester and IMSBT 102, IMSBT 104 etc. for even semester.

The course code for the AEC, SEC, and VAC shall be as per the pool of courses in the respective groups.

Minor Track: 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 earns required credits (courses) from the prescribed basket of courses for that minor.

a. A student who wishes to peruse a Minor from other discipline along with Bachelor degree (to exit after three years) shall earn 26 credits from GECs 4 – GECs 10 from the basket prescribed for that Minor.

b. A student who wishes to peruse a Minor from other discipline along with Bachelor degree honours with or without Research (to exit after four years) shall earn 34 credits from GECs 4 – GECs 13 from the basket prescribed for that Minor.

c. A student who wishes to peruse a Minor from other discipline along with Master degree (to exit after five years) shall earn 34 credits from GECs 4 – GECs 13 from the basket prescribed for that Minor.

d. A student who does not wish to peruse a Minor from other discipline shall opt for the DEC of that department.

In addition to these departmental electives, student can opt for other elective courses depending on his/ her interest offered by any other department offering courses in M.Sc. and B.Tech. programmes.

Further, besides conventional modes of teaching such as lectures, videos, power points and reading materials, Students are encouraged to earn some credits through self-paced custom e-learning in the areas of interest through MOOCs, SWAYAM and NPTEL digital platforms.

8. ACADEMIC DEPARTMENT DETAILS

8.1 Department of Applied Chemistry

Department of Applied Chemistry holds the foundation of the reputation of Delhi Technological University as it is one of the core disciplines of DTU founded at the time of its inception. The department offers B.Tech. in Chemical Engineering (4 yrs); M.Tech. in Polymer Technology (2 yrs); and M.Sc. in Chemistry (2 yrs); and Ph.D. in Chemistry and Chemical Engineering. The department is providing cutting edge research, innovation and education in the emerging areas of chemistry and chemical engineering. The department has well-equipped state of art laboratories for undergraduate, postgraduate and Ph.D. students. The faculty members of the department are actively involved in research and collaborations. The department have published quality research papers in peer-reviewed journals and contributed towards conference proceeding and book chapters of national and international repute.



Research Areas: Inorganic chemistry, bioinorganic chemistry, cell imaging, organic chemistry, organic synthesis, bioorganic chemistry, medicinal chemistry, biomimetic reactions, bio-polymer, nutraceuticals & functional foods, conducting polymer,

sensors, electrochemistry, natural products, medical textiles, effluent treatment, nano & environmental biotechnology, surface chemistry, reaction engineering, chemical engineering, polymer blends & composites, hydrogels.



8.2 Department of Applied Mathematics

The Department runs a four-year B. Tech. programme in Mathematics & Computing. This programme is an amalgamation of Mathematics with Computer Science and Financial Engineering. More than 25 research students are registered in the Department for Ph.D programme. The



department has a team of committed faculty members from the disciplines of Pure Mathematics, Applied Mathematics, Computer Engineering, Statistics and Operation Research.

Research Areas: Information Theory, Graph Theory, Discrete Mathematics, Numerical Analysis, General Relativity and Cosmology, Optimization Technique, Complex Analysis, Mathematical Modelling, Approximation Theory, Stochastic Processes, Fuzzy logic and optimization, Algebra and Mathematical Finance.



for undergraduate, postgraduate and Ph.D. students. Faculty members of the department are actively involved in National and International collaborations for R & D activities.



8.3 Department of Applied Physics

Applied Physics Department is providing cutting edge research, innovation and education in the emerging areas of science and technology. Department offers the undergraduate Academic Programme (B.Tech.) in Engineering Physics and Post Graduate program (M.Tech.) in Material Science and Technology and one M.Sc. programme in Physics is offered from the Department. The department has well-equipped state of art laboratories



Research Areas: Nanotechnology: Carbon Nanotube / Carbon Nano fibre and Graphene. Plasma Physics/Dusty plasma/ THz Radiation Emission/High power microwave devices, Photonics and Photonic Crystals. Glass Science and Technology Phosphors, Photoluminescence, Organic & Nano-Material, Time-resolved spectroscopy, Micro electronic Devices and Solar Cells-Application Oriented Modelling and Simulation, Waveguide based devices. Fibre and Integrated optics, Luminescent Material, Material science, Experimental Lithium Ion battery, Multiferroic materials, Atomic & molecular physics, Gas sensors, Atmosphere Sciences, Memory Devices.

8.4 Department of Biotechnology

The Department of Biotechnology is a hub for innovative research and comprehensive education in the field of biotechnology. Our mission is to push the frontiers of biotechnological science through pioneering research and to cultivate highly skilled professionals equipped to tackle the challenges of the future. The Department offers B.Tech. in Biotechnology, M. Sc. in Biotechnology, M. Tech. in Bioinformatics and Industrial Biotechnology and PhD in Biotechnology. The Department has also started M.Tech. by Research and Integrated B.Sc & M.Sc. program from academic year 2024-25 onwards. The curriculum of all programs is updated from time to time to include the latest advancements and industry-relevant skills. This ensures that our graduates are well-prepared for the job market and possess the competencies needed for translational research and innovation. The Department is renowned for its cutting-edge research conducted in state-of-the-art laboratories. Research projects, funded by prestigious organizations such as DST, CSIR, ICMR, DBT, and UGC, address critical issues in healthcare, agriculture, and environmental sustainability. Faculty members, who are leaders in their respective fields, guide these research initiatives, fostering a collaborative and innovative environment. Students in the Department benefit from

hands-on learning experiences, gaining practical knowledge and expertise in biotechnological methodologies.



Department of Biotechnology holds a good placement record getting top offers, with packages reaching up to 44 LPA. Additionally, our students consistently achieve high rankings in national-level exams like GATE and CSIR-NET, reflecting the quality of education and support they receive. The Department actively promotes the cultivation of a vibrant startup culture in collaboration with the Institute Innovation Council (IIC-DTU) by regularly conducting seminars and workshops, with an aim to foster entrepreneurship among students, providing them with the necessary resources and support to turn innovative ideas into successful ventures. Department of Biotechnology regularly organizes programs like Entrepreneurship-Academia Mentorship Program, Entrepreneurship workshops, awareness talks with NSS, expert lectures in recent advancements in the field of Biotechnology under the flagship of Viksit Bharat Abhiyan.

The Department of Biotechnology is dedicated to nurturing the next generation of biotechnologists and researchers. Through a combination of rigorous academics, innovative research, and a supportive learning environment, we prepare our students to become leaders in the field of biotechnology.

Research Areas: Aquaculture, Algal Biotechnology, Bioremediation, Functional Genomics, Genome informatics, Immunology, Immunostimulation, Molecular Neuroscience, Medicinal Plant Biotechnology, Nano- biotechnology, Neuro-oncology, Water Quality Management.

8.5 Department of Humanities

The Department of Humanities, DTU was established in the year 1941 with a view to imparting necessary soft skills to the graduating engineering students. The department consists of faculty members and Professors in English and Economics and they have many publications in reputed journals in their specific areas.

In the initial years of starting, the department offered courses such as English, Economics

and Accountancy. Now, the department has grown considerably and offers the following courses and programs to various B.Tech. and PhD level students of DTU:

Courses:

S. No.	Type of Course and year	Subject(s) Offered
i.	For 1 st And 2 nd Year B.Tech Students:	Ability Enhancement Courses (AEC)/ Value Added Courses (VAC)
II.	B.Tech 3 rd Year Compulsory Course	Engineering Economics
III.	B.Tech 3 rd And 4 th Year Electives And Minor Specialization Courses	English Economics

The primary objective is to provide the students a conducive environment so they can study, research and explore multiple dimensions of learning during their educational journey in DTU. Overall, the focus is to build a comprehensive idea of the competition and emerging work cultures among students and enhance their understanding in the different areas of inclusive growth, sustainability, soft skills training and employability. The Language Lab facility ensures that students learn communication basics and enhance their personality in the best possible way. Our PhD Programs in English and Economics give an excellent opportunity to students to explore the wider theoretical and practical implications of both subjects and scholars can shine with their research work and publications. The department is guided by the vision to uplift and transform societies by providing a strong foundation to students for their future roles in government as well as international organizations.



9 CERTIFICATES AND FORMATS

9.1 ANNEXURE-1

CERTIFICATE FOR APPEARING IN THE FINAL SEMESTER/YEAR EXAMINATION

(Required from candidates who are yet to appear in the qualifying examination)

In connection with the application of Mr./Ms. _____ for admission to PG programme(s) at Delhi Technological University Delhi, I hereby certify that he/she is a *bonafide* student of our institution. He/she is yet to complete the requirements of qualifying examination including theory, practical project examination and back paper(s)/supplementary(ies) for _____ which is to be scheduled later on (Strike out the non-applicable ones and write in the blank space if the degree is not mentioned) and the result is likely to be announced by _____ 2024. The percentage of aggregate marks/CGPA obtained by him/her upto pre final year examination is _____ His/her conduct and character during his/her stay at the University/University has been "GOOD".

Signature of the Principal/Dean/Registrar/
Dy. Registrar /Proctor/Administrative Officer

Place: _____

Date: _____

UNDERTAKING BY THE CANDIDATE REGISTERED WITHOUT PRODUCTION OF PROOF OF PASSING THE QUALIFYING EXAMINATION/APPEARED IN THE BACKPAPER(S)/ SUPPLEMENTARY(IES) TILL DATE OF REGISTRATION

I, _____ son/daughter/ward of Mr./Ms _____ hereby give an undertaking that I have appeared in all the examinations including practical(S)/projects/theory/backpaper(s)/supplementary(ies) before the date of registration and only the result is awaited, which is likely to be declared by _____

Place: _____

Signature _____

Date: _____

Name _____

Address _____

AUTHORITIES WHO CAN ISSUE CASTE/TRIBE CERTIFICATE

Scheduled Caste (SC)/Scheduled Tribe (ST) /Other Backward Class (OBC-NCL):

For admission to a seat reserved for Scheduled Caste/Scheduled Tribe/Other Backward Class (NCL), candidate must produce a certificate, in original, issued from an approved district authority stating the Scheduled Caste/ Scheduled Tribe/ Other Backward Class (NCL), to which the candidate belongs. A list of approved authorities is given below:

- a. District Magistrate / Additional Magistrate / Deputy Commissioner / Collector / Additional Deputy Commissioner / Deputy Collector / 1st Class Stipendiary Magistrate / City Magistrate (not below the rank of 1st Class Stipendiary Magistrate), Sub-Divisional Magistrate / Taluka Magistrate / Executive Magistrate / Extra Assistant Commissioner.
- b. Revenue Officer not below the rank of Tehsildar.
- c. Sub-Divisional Officer of the area where the candidates and/or his/her family normally resides
- d. Administrator/Secretary to Administration/Development Officer (Laccadive & Minicoy Islands).

(Certificate issued by any other authority will not be accepted.)

Prescribed Format for OBC Certificate

FORM OF CERTIFICATE TO BE PRODUCED BY OTHER BACKWARD CLASSES

This is to certify that Shri / Smt. / Kum. _____
 _____ Son / Daughter of Shri / Smt. _____
 _____ of Village/Town _____
 _____ District/Division _____ in the State belongs to the _____
 _____ Community which is recognized as a backward

class under:

- | | |
|--|--|
| <ol style="list-style-type: none"> i. Resolution No. 12011/68/93-BCC(C) dated 10/09/93 published in the Gazette of India Extraordinary Part I Section I No. 186 dated 13/09/93. ii. Resolution No. 12011/9/94-BCC dated 19/10/94 published in the Gazette of India Extraordinary Part I Section I No. 163 dated 20/10/94. iii. Resolution No. 12011/7/95-BCC dated 24/05/95 published in the Gazette of India Extraordinary Part I Section I No. 88 dated 25/05/95. iv. Resolution No. 12011/96/94-BCC dated 9/03/96. (v) Resolution No. 12011/44/96-BCC dated 6/12/96 published in the Gazette of India Extraordinary Part I Section I No. 210 dated 11/12/96. v. Resolution No. 12011/13/97-BCC dated 03/12/97. | <ol style="list-style-type: none"> vi. Resolution No. 12011/99/94-BCC dated 11/12/97. vii. Resolution No. 12011/68/98-BCC dated 27/10/99. viii. Resolution No. 12011/88/98-BCC dated 6/12/99 published in the Gazette of India Extraordinary Part I Section I No. 270 dated 06/12/99. ix. Resolution No. 12011/36/99-BCC dated 04/04/2000 published in the Gazette of India Extraordinary Part I Section I No. 7 dated 04/04/2000. x. Resolution No. 12011/44/99-BCC dated 21/09/2000 published in the Gazette of India Extraordinary Part I Section I No. 210 dated 21/09/2000. xi. Resolution No. 12015/9/2000-BCC dated 06/09/2001. |
|--|--|

- xii. Resolution No. 12011/1/2001-BCC dated 19/06/2003.
xiii. Resolution No. 12011/4/2002-BCC dated 13/01/2004.

- xiv. Resolution No. 12011/9/2004-BCC dated 16/01/2006 published in the Gazette of India Extraordinary Part I Section I No. 210 dated 16/01/2006.

Shri / Smt. / Kum. _____

and / or his family ordinarily reside(s) in the _____

District / Division of _____ State. This is also to certify that he/ she does not belong to the persons/sections (Creamy Layer) mentioned in Column 3 of the Schedule to the Government of India, Department of Personnel & Training O.M. No. 36012/22/93-Estt.(SCT) dated 08/09/93 which is modified vide OM No. 36033/3/2004 Estt. (Res.) dated 09/03/2004.

District Magistrate / Deputy Commissioner / Competent Authority
Seal

Dated: _____

NOTE:

- a. The term 'Ordinarily' used here will have the same meaning as in Section 20 of the Representation of the People Act, 1950.
- b. The authorities competent to issue Caste Certificates are indicated below:
 - iii. District Magistrate / Additional Magistrate / Collector / Deputy Commissioner / Additional Deputy Commissioner / Deputy Collector / 1st Class Stipendiary Magistrate / Sub-Divisional magistrate / Taluka Magistrate / Executive Magistrate / Extra Assistant Commissioner (not below the rank of 1st Class Stipendiary Magistrate).
 - iv. Chief Presidency Magistrate/ Additional Chief Presidency Magistrate/Presidency Magistrate.
 - v. Revenue Officer not below the rank of Tehsildar' and
 - vi. Sub-Divisional Officer of the area where the candidate and / or his family resides.

Declaration/undertaking - for OBC Candidates only

I, _____ son/daughter of
Shri _____ resident of village/town/city _____
_____ district _____ State _____ hereby
declare that I belong to the _____ community which is recognized
as a backward class by the Government of India for the purpose of reservation in
services as per orders contained in Department of Personnel and Training Office
Memorandum No.36012/22/93- Estt. (SCT), dated 8/9/1993. It is also declared that
I do not belong to persons/sections (Creamy Layer) mentioned in Column 3 of the
Schedule to the above referred Office Memorandum, dated 8/9/1993, which is modified vide
Department of Personnel and Training Office Memorandum No.36033/3/2004 Estt.(Res.)
dated 9/3/2004.

Place: _____

Signature of the Candidate

Date: _____

PERSON WITH DISABILITY SUB-CATEGORY

For admission to seat reserved for Differently Abled Person (PwD) sub-category, the candidate must produce the following certificates in original at the time of document verification for PwD candidates:

- a. A certificate of physical disability issued by a duly notified Medical Board of a District/ Government Hospital set up for examining the physically challenged candidates under the provision of the Person with Disability (equal opportunities, protection of rights and full participation) Act 1995. The certificate should indicate the extent (i.e. percentage) of the physical handicap and should bear the Photograph of the candidate concerned. The certificate should be countersigned by one of the Doctors constituting the Board issuing the certificates.
- b. A certificate duly recommended by Vocational Rehabilitation Centre for the Handicapped, 9 - 11 Vikas Marg, Karkardooma, Delhi 110092.

**Certificate for Person with Disability
To be issued by Medical Board from Government Hospital**

Name of the candidate: Mr./Ms.* _____

Father's Name: _____

Permanent Address: _____

_____ Percentage loss of earning

capacity (in words): _____

Recent Passport size attested photograph of the applicant
--

Whether the candidate is otherwise able to carry on the studies and perform the duties of an engineer/architect satisfactorily: _____.

Name of the disease-causing handicap: _____

Whether handicap is temporary or permanent: _____

Whether handicap is progressive or non-progressive: _____

The candidate is FIT / UNFIT to pursue further studies.
(*Strike out whichever is not applicable)

Member

Member

Principal Medical Officer
(Orthopaedic Specialist)
Seal of Office:

Date: _____

NOTE:

1. The medical board must have one orthopaedic specialist as its member.
2. Candidate having temporary or progressive handicap will not be considered again the seats.

CERTIFICATE FOR ECONOMICALLY WEAKER SECTION (EWS)

Government of.....

(Name & Address of the authority issuing the certificate)

INCOME & ASSET CERTIFICATE TO BE PRODUCED BY CANDIDATE SEEKING RESERVATION UNDER ECONOMICALLY WEAKER SECTIONS

Certificate No. _____ Date: _____

VALID FOR THE YEAR _____

This is to certify that Shri/Smt./Kumari _____ son/daughter/wife of _____ permanent resident of _____

Village/Street _____ Post Office _____ District _____

in the State/Union Territory _____ Pin Code _____

whose photograph is attested below belongs to Economically Weaker Sections, since the gross annual income* of his/her family** is below Rs. 8 lakh (Rupees Eight Lakh only) for the financial year _____. His/her family does not own or possess any of the following assets***:

- | | |
|---|--|
| i. 5 acres of agricultural land and above;
ii. Residential flat of 1000 sq. ft. and above;
iii. Residential plot of 100 sq. yards and above in notified municipalities; | iv. Residential plot of 200 sq. yards and above in areas other than the notified municipalities. |
|---|--|

Shri/Smt./Kumari _____ belongs to the _____

caste which is not recognized as a Scheduled Caste, Scheduled Tribe and Other Backward Classes (Central List)

Signature with seal of Office

Name _____

Designation _____

Recent
Passport
size attested
photograph
of the
applicant

*Note 1: Income covered all sources i.e. salary, agriculture, business, profession, etc.

**Note 2: The term 'Family' for this purpose include the person, who seeks benefit of reservation, his/her parents and siblings below the age of 18

years as also his/her spouse and children below the age of 18 years.

***Note 3: The property held by a 'Family' in different locations or different places/cities have been clubbed while applying the land or property holding test to determine EWS status.

INCOME AND ASSET CERTIFICATE ISSUING AUTHORITY

The Income and Asset Certificate issued 'by any one of the following authorities in the prescribed format

as given above shall only be accepted as proof of candidate's claim as 'belonging to EWS:-

- i. District Magistrate/Additional District Magistrate/ Collector/ Deputy Commissioner/ Additional Deputy Commissioner/ 1st Class Stipendiary Magistrate/ Sub-Divisional

Magistrate/ Taluka Magistrate/ Executive Magistrate/ Extra Assistant Commissioner,

- ii. Chief Presidency Magistrate/Additional Chief Presidency Magistrate/ Presidency Magistrate,

- iii. Revenue Officer not below the rank of Tehsildar and

- iv. Sub-Divisional Officer or the area where the candidate and/or his family normally resides.

AFFIDAVIT FOR SINGLE GIRL CHILD

For claiming admission in this category, the Father/Mother/Guardian (in case parents are deceased) shall have to submit affidavit/ self attested to this effect duly attested by area District Magistrate/Additional Magistrate/Deputy Commissioner/Collector/Additional Deputy Commissioner/Deputy Collector / 1st Class Stipendiary Magistrate /City Magistrate (not below the rank of 1st Class Stipendiary Magistrate)/Sub-Divisional magistrate / Taluka Magistrate / Executive Magistrate / Extra Assistant Commissioner.

**SPECIMEN OF AFFIDAVIT/SELF ATTESTED
FOR ONLY (SINGLE) GIRL CHILD CATEGORY**

(on non-judicial PAPER OF Rs. 20/- duly attested by 1st Class Magistrate)

I _____ (name) father/mother
of Miss _____ resident of _____

_____ (full address to be given) do hereby, solemnly declare and affirm as under:

1. That I am a citizen of India.
2. That Miss _____ born on _____
is the only (Single) Girl Child of the deponent.
3. That the deponent has no living male/female child other than the above one.

Place: _____

Dated: _____

DEPONENT

VERIFICATION

Verified that the contents of the above affidavit/self attested are true and correct to the best of my knowledge and belief and nothing has been concealed therein.

DEPONENT

Place: _____

Dated: _____

Certificate for Availing Admission Against Kashmiri Migrant Quota

KASHMIRI MIGRANT QUOTA

(To be submitted at the time of admission)

Certified that Shri/ Km/Smt. _____
son/daughter/wife of _____
resident of _____
is registered as migrant from Jammu and Kashmir. The registration number is
_____ dated _____.

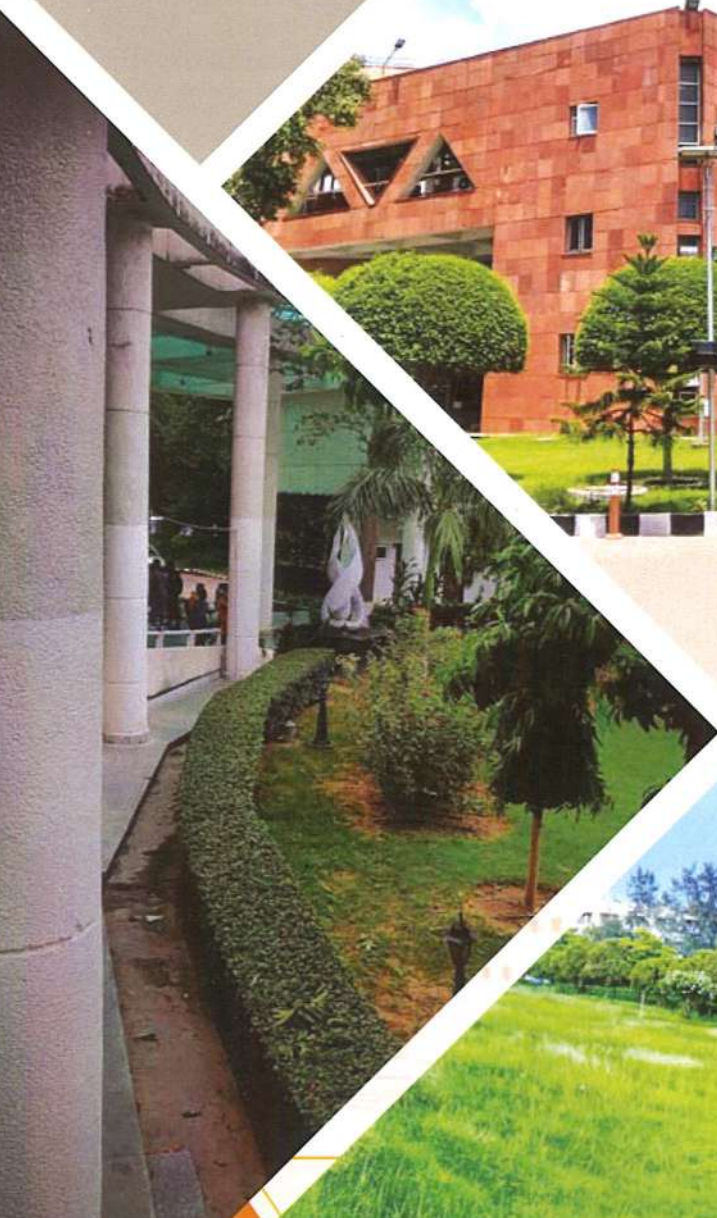
It is also certified that Shri/ Km/Smt. _____
Is registered in Delhi/ _____ as J & K Migrant on _____.

Name & Signature of
Deputy Commissioner/ Competent authority
(Office stamp)

Place: _____

Date: _____

Note: No Document other than this will be accepted by the University for claiming reservation against the Kashmiri Migrant Seat.



For all the queries related to
**Integrated BSc & MSc Admission
2024-25**

Email: coordinator_bscmsc@dtu.ac.in

**Chairperson, Integrated BSc & MSc
Admission 2024-25**

DELHI TECHNOLOGICAL UNIVERSITY
Shabad Daulatpur, Bawana Road, Delhi-110042



Delhi Technological University

Established by the Govt. of NCT of Delhi vide Act 6 of 2009
(Formerly Delhi College of Engineering)



Shahbad Daulatpur, Bawana Road, Delhi 110042



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