



# राष्ट्रीय प्रौद्योगिकी संस्थान दिल्ली

## NATIONAL INSTITUTE OF TECHNOLOGY DELHI

(शिक्षामंत्रालय, भारत सरकार के अधीन एक स्वायत्त संस्थान)  
(An autonomous Institute under the aegis of Ministry of Education (Shiksha Mantralaya), Govt. of India)  
Plot No. FA7, Zone P1, GT Karnal Road, Delhi-110036, INDIA  
दूरभाष/Tele : +9111-33861000, 1001, 1005 फ़ैक्स /Fax: +9111-27787503,  
वेबसाइट/Website: [www.nitdelhi.ac.in](http://www.nitdelhi.ac.in)

Date: 29.04.2024

### Admission Notice for Executive MTech Programs AY 2024-25

The Institute hereby invites applications from the eligible candidates for admission to the **Executive MTech (Hybrid Mode, 3 Years Duration)** programs for the **Academic Year 2024-25** as shown below.

Sl. No.	MTech Program	Mode	Last Date to Apply
1	Computer Aided Design/ Manufacturing (CAD/CAM)	Hybrid	30.06.2024
2	Additive Manufacturing (AM)		

#### Steps to Apply:

- Print the **application form** (page no.13-16) and fill the requisite details in the application form and arrange the copy of the mandatory documents (10<sup>th</sup> class certificate for Date of Birth (DoB), 12<sup>th</sup> /Diploma mark-sheet, BTech/BE or Equivalent mark sheet of each semester). Sign the application form and each of the mandatory documents.
- The candidates are required to pay a Non-refundable fee of Rs. 1,000/- through Online Link, [https://pages.razorpay.com/pl\\_JctiRs9fDjAVVX/view](https://pages.razorpay.com/pl_JctiRs9fDjAVVX/view). Fill the fee payment details in the application form (Sl. 12, page 14). Convert your application form along with requisite documents above in a single .pdf file.**
- The candidates should apply through the link, <https://forms.gle/pJMkeZJyAJGfjexR6>. The candidate is required to upload duly filled & signed application form along with requisite documents in .pdf form to the said link.
- The candidates should visit the **Notice Board Section** of NIT Delhi website (<https://nitdelhi.ac.in/>) for detailed brochure for eligibility, seats, fees, timelines and other details.
- Please contact to the E-mail ID [pgadmissions@nitdelhi.ac.in](mailto:pgadmissions@nitdelhi.ac.in) for any query or concern.
- Please visit the Institute website regularly for updates.

Dean (Academic)  
NIT Delhi

# National Institute of Technology Delhi

(An Autonomous Institution of National Importance under the aegis of  
Ministry of Education, Govt. of India)



**Information Brochure  
for  
Admission to  
Executive MTech Programs  
Computer Aided Design/ Manufacturing (CAD/CAM)  
&  
Additive Manufacturing (AM)  
AY 2024-25**

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## 1. About the Institute

National Institute of Technology Delhi (NITD) is one of the thirty-one NIT(s) established in the year 2010 by an Act of Parliament and has been declared as an Institute of National importance. NIT Delhi is an autonomous Institute which functions under the aegis of Ministry of Education, Government of India. It aims to provide academics and research facilities in various disciplines of Engineering, Science and Technology for advance learning and dissemination of knowledge. The mission of NIT Delhi is to produce human resource those who are creative, competitive, and innovative with high intellect and ethical values. The Institute is imparting holistic education, along with inculcating high moral values in its students.

NIT Delhi has commenced its academic session in 2010 with three undergraduate BTech degree programs in Computer Science and Engineering, Electronics and Communication Engineering and Electrical Engineering. The academic activities of NIT Delhi were initiated at NIT Warangal in year 2010 which later moved to a temporary campus at Dwarka, New Delhi in June 2012 and thereafter to NILERD, Narela in 2014. The Institute commenced its academic activities in 2022 from the permanent campus located at Plot No. FA7, Zone P1, GT Karnal Road, Delhi-110036, INDIA. The campus is situated at a distance of about 10 minutes to the Jahangirpuri Metro Station and is well connected with public conveyance.



**Figure 1: View of the under Development NIT Delhi Campus**

## 2. The Campus

NIT Delhi is being developed as a state of art campus sprawling over about 51 acres, located over G T Karnal Road near Bakoli, Delhi. The Campus houses Administrative Block, Mini Campus and Start-Up Block. The class-rooms are newly built with adequate development of the laboratories for essential exposure to the students to learn the fundamental aspects of the science and engineering to further nurturing their skills. The laboratories are equipped with state of art facilities as shown in the upcoming section.



**Figure 2: Campus of NIT Delhi**

The Institute further provides well-furnished hostel facility to its outstation candidates studying full time courses only. The boy's hostels are located on the transit campus of the Institute in Narela as well as in the main campus in Bakoli, while the girl's hostel is located at the main campus in Bakoli. Currently, the boarding facility has been extended to almost 700 students at hostels (both boys and girls) and an adequate bus facility has also been extended for the commutation of students staying at transit campus, Narela as well as for the day scholars.

## 3. Computing Facilities and Campus Network

The Computer Centre, NITD was established in year 2014, housing more than 250 PCs to cater the computational requirements of the Institute and is equipped with latest state of the art technological resources. The Institute visualizes centralized computing facility, campus wide networking and information technology as a means to enrich the educational experience and invigorate emerging areas of scholarly research and



development. The Computer Centre maintains and manages Wi-Fi facility through rack mounted blade servers in the campus having High speed (single mode) fibre backbone, managed by Layer 4 Switches providing 750 Mbps (1:1) bandwidth Speed. These networking facilities are also extended to Hostel and Residential areas.

#### **4. Library Facilitates**

Central Library at NIT Delhi is the window to the world of latest information in Sciences, Engineering & technology. The library has a rich collection of print materials on all the branches of Engineering, Science, Humanities and Management. The collection includes reference books, textbooks, bound volumes, CDs, etc. The library subscribes core collection of print journals, e-journals, e-databases, e-books and others.

The Central Library acts as the primary information resource centre and the repository of various printed as well as electronic resources that supports teaching, research and all the academic activities of the Institute. The Central Library have a rich collection of books in the area of Science & Technology including Computer Science, Electrical & Electronics Engineering, Mechanical Engineering, Mathematics, Physics, Chemistry, Economics, and Management etc. Also, apart from this, the Library has reference collection including dictionaries, handbooks, and research related books. The Library also holds a good collection for general reading purpose including books on sports & yoga, novels, fictions, books for competitive exams like GATE/IES, magazines on general awareness, current affairs, and specialized subject magazines like Auto Car, Digit, and Electronics for you etc. The Central Library follows 'Open Access System' along with Self Check-in/Check-out facility. The separate sections are arranged for the books under Text Books, Book Bank and Reference category for easy access to the users. The Central Library have a rich collection of books on science & technology including Computer Science, Electrical Engineering, Mechanical Engineering, Mathematics, Physics, Chemistry, Economics, and Management etc. Also, apart from this, the Library has reference collection including dictionaries, handbooks, and research related books.

Library offers Plagiarism Checking Service such as Grammarly, Turnitin tools for all the faculty members and students including MTech / PhD research scholars. Remote Access to all the e-Resources and mobile app are other important services of the library. Library has been fully computerised with integrated web-based library management software, which enables users to search real-time book status and reservations.



**Figure 3: Central Library**

## **5. Programs of Study**

The Institute offers 6 BTech and 8 MTech programs in various disciplines under the different departments. The Institute also offers facilities for research leading to PhD degree in various branches of Engineering, Science and Humanities & Social Sciences. The academic responsibilities are shared by the following Teaching Departments, Applied Sciences (AS), Civil Engineering (CE), Computer Science and Engineering (CSE), Electrical Engineering (EE), Electronics & Communication Engineering (ECE), & Mechanical Engineering (ME).

**Following Executive MTech programs in hybrid mode are being offered by the Institute under the Department of Mechanical Engineering as mentioned below:**

1. Computer Aided Design/ Manufacturing (CAD/CAM)
2. Additive Manufacturing (AM)

## **6. Admission to Executive MTech programs**

NIT Delhi will admit students for the Executive MTech programs with minimum eligibility as shown in Table 1 with sanctioned intake shown in Table 2 for the academic year 2024-25. The candidates who fulfil the prescribed minimum eligibility criteria as given in the section 6.1 may apply for the same.

### **6.1. Minimum Qualification and Experience for Eligibility:**

#### **A. Qualification:**

Admission shall be open to Indian nationals who have passed the prescribed qualifying examination with a Cumulative Grade Point Average (CGPA) of at least 6.5 in the 10 point scale grading system, OR not less than 60 % marks in the aggregate (taking into

account the marks scored in all the subjects of all the public/university examinations conducted during the entire prescribed period for the degree Program). **However, this prescribed minimum shall be CGPA of 6.0 OR 55% marks in the aggregate for SC/ST/PwD candidates.** For information on the prescribed qualifying examinations for various MTech Programs offered by the various departments at NITD, please refer the Institute website, <https://nitdelhi.ac.in/>. The indicative information is given in table 1.

**B. Experience:**

The candidate must have minimum post-qualification of one (1) year relevant experience as on 30<sup>th</sup> June 2024.

**6.2. Selection Procedure:**

Selection to the Executive MTech Programs shall strictly be on the basis of merit of CGPA/ Percentage in the qualifying examination (BE/ BTech or equivalent) as shown in table 1, provided the candidate fulfils the pre-requisite as per 6.1A and 6.1B, as the case may be. **The CGPA shall be converted to the percentage on the basis of conversion formula given by the University, from where the candidate completed qualifying examination. In case, there is no formula given by the University, the prevailing guidelines of the Institute/AICTE/UGC shall be taken into consideration. However, in case of large applications, the Institute reserves right to hold an Entrance Examination and/ or Interview, if required.**

**Table 1: Indicative Information regarding the Qualifying Degree for respective Executive MTech programs**

Sl. No.	Department	Course/ Specialization	Qualifying Disciplines in
1	Mechanical Engineering (ME)	CAD/CAM	<b>BE/ BTech/ BSc (Engineering)</b> in Mechanical Engineering, Automation Engineering, Production Engineering, Industrial Engineering Manufacturing Engineering, Manufacturing Processes & Automation Engineering,
2	Mechanical Engineering (ME)	Additive Manufacturing	Automobile Engineering, Aerospace Engineering, Mining Machinery Engineering and other relevant



### 6.3. Seat Matrix

The intake for Executive MTech programs is given below in the table 2. **The Institute reserves right to increase/decrease the sanctioned intake in any of the programs without any notice.**

**Table 2: Program-wise Intake for Executive MTech programs**

Sl. No.	Executive MTech Program	Mode	Intake
1	Computer Aided Design/ Manufacturing (CAD/CAM)	Hybrid	25
2	Additive Manufacturing (AM)	Hybrid	25

### 7. Financial Assistance/ Scholarship

**The candidates admitted to the Executive MTech program shall not be eligible for any Financial Assistance/ Scholarship by the Institute.**

### 8. How to Apply

The Information Bulletin, Seat Matrix and Online Application portal for admission to Executive MTech programs has been made available over the Institute website, [www.nitdelhi.ac.in](http://www.nitdelhi.ac.in). The eligible and desirous applicants are required to fill the **Application Form** of this brochure and along with all the relevant documents, submit through online mode to the link, <https://forms.gle/pJMkeZJyAJGfjexR6>.

**The candidates are required to pay a Non-refundable fee of Rs. 1,000 Online Link, [https://pages.razorpay.com/pl\\_JctiRs9fDjAVVX/view](https://pages.razorpay.com/pl_JctiRs9fDjAVVX/view).**

**Last date to apply is June 30, 2024.**

### 9. The self-attested documents to be submitted along with application in pdf form:

- Date of Birth Certificate in Original or (SSLC/ X Std.)
- Certificate of Class XII/ Diploma in Engineering
- Mark-sheet of all Semesters/years of the Qualifying Degree (BTech or Equivalent)
- BTech or Equivalent Degree/Provisional Degree
- Work Experience Certificate (on the Institute Letter Head)
- Migration Certificate
- Medical Certificate (general fitness)
- Aadhar Card

**Documents in original shall be verified in original at the time of physical reporting/admission. Admission shall stand cancelled without any prior notice, in case the original documents are not produced or it is found at the time of physical reporting/ admission that any misleading information is furnished by the candidate.**

## 10. Timelines

**Table 3: Timelines for the admission procedure for Executive MTech Programs**

Sl. No.	Particular(s)	Timeline(s)
1	Start of Online Applications	May 01, 2024
2	Last date to apply	June 30, 2024
3	Display of Eligible Candidates in order of merit	July 10, 2024
4	Intimation to the provisionally selected candidates	July 11, 2024
5	Fee Payment deadline	July 18, 2024
6	Intimation to the provisionally selected candidates (against vacant seats, if any after July 18, 2024)	July 20, 2024
7	Fee Payment deadline (against vacant seats)	July 25, 2024
8	Commencement of Classes	As per the Academic Calendar

## 11. Minimum/ Maximum Duration of the Executive MTech Programs and Mode

- a. **Minimum Duration:** Minimum duration of the Executive MTech is 03 Years, comprising of 06 Semesters (04 Semesters for Course work and 02 Semesters from Dissertation work). However, the Executive MTech must be completed within 05 years from enrolment.
- b. **Mode of Delivery of Theory Classes:** The classes for the Executive MTech shall be held on weekends (Saturday and Sunday) in the Proctored Online Mode. A candidate should have minimum 75 % attendance in order to appear to the **examination.**
- c. **Mode of Delivery of Laboratory Classes:** The laboratory shall be conducted in the offline mode at the Institute. The students shall be reporting to the Institute for 5 days to perform the laboratory classes as intimated according to the academic calendar.
- d. **Mode of Examination:** Examinations shall be carried out in the Offline Mode.

- e. **Academic Calendar:** The Academic Calendar shall be communicated to the students well in advance so that they can make their arrangements well in advance for reporting at the Institute for Laboratory Classes and Examinations.

## 12. Regulations to the Executive MTech Programs

The Institute Executive MTech regulations prevailing from time to time shall be enforced to the students and shall be binding to govern the Executive MTech programs.

## 13. Semester-wise Fees Structure

Sl. No.	Head of Fees	Amount (Rs.)
1	Admission Fee (One Time Only)	1,500
2	ID Card Fee (One Time Only)	200
3	Alumni Association Membership Fee (One Time Only)	1,000
4	Tuition Fee (Per Semester)	46,700
5	Development Fee (Per Semester)	5,000
6	Library Fee (Per Semester)	1,800
7	Computer/ Internet Fee (Per Semester)	2,000
8	Sports & Creativity Arts Society (Per Semester)	3,000
9	Student Welfare (Per Semester)	1,000
10	Examination Fee (Per Semester)	2,000
11	Contingency Fee (Annual)**	10,000
12	Caution Money (Refundable) (One Time Only)***	20,000
	<b>Total Fee</b>	<b>94,200</b>

Semester-I	Semester-II	Semester-III	Semester-IV	Semester-V	Semester-VI
94,200	61,500	71,500	61,500	71,500	61,500

\*After the first Semester, the Refundable/ One Time charges of the Fee Structure shall not be payable.

\*\*The Annual Charges shall be paid once in a year and are charged annually only in the Autumn Semester.

\*\*\*The Refundable charges shall be paid after completion of the course or at the time of withdrawal from the course.

\*\*\*\*Fee Once paid in non-refundable except the refundable charges.

\*\*\*\*\*The Institute reserve right to revise fee structure without assigning any reason.

## 14. Laboratory/ Research facilities in the Mechanical Engineering Department

The department has excellent infrastructure related to Additive Manufacturing such as FFF 3D Metal Printer, Industrial Grade 3D Polymer Printers, Precision 3D Resin Printer, Metrology Grade 3D Scanner along with other notable facilities. The Department has well equipped Computer Aided Design (CAD) Laboratory having software's such as CATIA, ABAQUS, ANSYS, SIMUFACT, DELMIA etc. for learning and research. The Computer Aided Manufacturing (CAM) Laboratory is equipped with state of art.

Industrial Grade CSN Lathe, CNC Milling and CNC Wire Cuted EDM machine. Few of them are shown below:



**Figure 4. Advanced Machining Lab**



**Figure 5. Advanced Composite Lab**



**Figure 6. Smart Manufacturing Lab**



**Figure 7. Academy for Advanced & Reverse Manufacturing (ARM) Lab**



**Figure 8. Additive Manufacturing Technology (AMT) Centre**



**Figure 9. CAD Lab**

**15. Contact Details:**

Dean (Academic),  
Room 306, Admin Block, National Institute of Technology Delhi  
Plot FA 7, Zone P1, Village Bakoli, G T Karnal Road,  
Delhi 110036, India.

**E-mail:** [pgadmissions@nitdelhi.ac.in](mailto:pgadmissions@nitdelhi.ac.in)

**Alternative contact:**

HoD (ME)  
Room No. 004, Start-up-Building, National Institute of Technology Delhi  
Plot FA 7, Zone P1, Village Bakoli, G T Karnal Road,  
Delhi 110036, India.

**E-mail:** [hodme@nitdelhi.ac.in](mailto:hodme@nitdelhi.ac.in)

**Disclaimer:** Though utmost care has been made while preparing the information brochure, the Institute reserves right to partially/ fully amend the information brochure anytime without any notice. Grammatically error(s) if any may be ignored.





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### Application Form for Admission to Executive MTech Programs for the Academic Year 2024-25

**1. Select program (Any one)**

**Please ensure your eligibility before selecting the program.**

**(If you wish to apply for more than 1 program, please apply separately. Fee for each program should be paid separately.)**

Sl. No.	Name of Executive MTech Program	Tick (✓) in the program you wish to apply. (Only One choice)*
1	Computer Aided Design/ Manufacturing (CAD/CAM)	
2	Additive Manufacturing (AM)	

2. Name in Full (in BLOCK Letters) .....

3. Father's Name (in BLOCK Letters) .....

4. Mother's Name (in BLOCK Letters) .....

5. Date of Birth (DD/MM/YYYY format) .....

6. Gender: Male/ Female/ Others .....

7. Address (in BLOCK Letters) .....

.....

Mobile No..... E-mail .....

Aadhar No. ....

8. Nationality..... Religion .....

9. Category (UR/ EWS/ OBC-NCL/ SC/ ST/ PwD) .....

10. Details of Examination(s) Passed (from Class X onwards):

Paste a recent  
passport size  
photograph

Sl. No.	Examination Passed (Fill the applicable only)	Subject/ Discipline/ Specialization	Year of Passing	CGPA/ Percentage of Marks Obtained	Division (I/ II/ III)	Name of the Institute & University
1	Secondary School Certificate (Class X)					
2	Higher Secondary School Certificate (Class XII)/ Diploma in Engineering					
3	BE/ BTech/ MSc/ MCA or equivalent					
4	Any other Qualification					

**11. Have you ever been disqualified or debarred from appearing in any examination conducted by a University/ Board?**

Yes /No

If yes, give details: .....

**12. Application Fee Payment Details:**

Amount: .....Transaction ID.....

Date of Transaction.....

**13. Work Experience Details (Mandatory for Executive MTech Programs)**

Sl. No.	Designation	Name of the Organization	From (DD/MM/YY)	To (DD/MM/YY)	Pay Scale/ CTC
1					
2					

**DECLARATION BY THE CANDIDATE**

I clearly understand that my application/ admission to Executive MTech program in the Discipline applied are subject to the Rules and Regulations of National Institute of Technology Delhi. I also understand that admission is allowed to me based on the certificates and documents produced by me. I also undertake that the certificates and documents produced by me in original are correct, genuine, and true to the best of my knowledge. If any information/documents/particulars are found to be forged or false at any stage in future, then NIT Delhi can cancel my admission and all the fees deposited by me shall be forfeited. If any degree is awarded based on my admission on the basis on my forged documents, then that certificate/degree awarded by NIT Delhi shall be automatically cancelled. In such case, I shall have no claim, whatsoever, in respect of my admission.

**Date.....**

**Signature of the Applicant**

**Check-List: Enclosed Self-Attested documents along with the application from as a Single PDF file:**

<b>Sl. No.</b>	<b>Document</b>	<b>Attached (Yes/No)</b>
1	Date of Birth Certificate in Original or (SSLC/ X Std.)	
2	Certificate of Class XII/ Diploma in Engineering	
3	Mark-sheet of all Semesters/years of the Qualifying Degree (BTech or Equivalent)	
4	BTech or Equivalent Degree/Provisional Degree	
5	Work Experience Certificate (on the Institute Letter Head)	
6	Migration Certificate	
7	Medical Certificate (general fitness)	
8	Aadhar card	

**Date.....**

**Signature of the Applicant**