

# **Information Brochure**

**M.Tech.  
for  
Academic Session 2012-13**




**Motilal Nehru National Institute of Technology Allahabad  
Allahabad-211004 (India)**

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 **The candidates are advised to read information brochure carefully and visit our website [www.academics.mnnit.ac.in/admission](http://www.academics.mnnit.ac.in/admission) regularly for updates.**

-  **For On-campus physical reporting on 14.7.2012 a candidate has to register with a fee of**
- **For M.Tech. (Full-time) as per CCMT-2012 (Please refer to <http://ccmt2012.mnnit.ac.in/>)**
  - **₹ 25,826/- for M.Tech. (Sponsored)**
  - **₹ 20,000/- for M.Tech. (Part-time)**

 **In case of any legal dispute the jurisdiction will be limited to Allahabad courts only (Lower, District and High Court) and will not be subject to the jurisdiction of any other courts outside Allahabad.**

## 1. PROGRAMMES OFFERED

The Institute admits more than 800 students to undergraduate programmes and 500 students to postgraduate programmes every year. Students from other countries such as Sri Lanka, Nepal, Bangladesh, Mauritius, Bahrain, Malaysia, Iran, Yemen, Iraq, Bhutan, Syria, Palestine, Mongolia, Ireland, Indonesia and Thailand also join MNNIT for these programmes.

The M.Tech. programme offered by various departments are given below.

### 1.1. Master of Technology

Duration: 2 Years (4 semesters)

#### a. Applied Mechanics Department

1. M.Tech. Applied Mechanics
2. M.Tech. Materials Science and Engineering
3. M.Tech. Fluids Engineering
4. M.Tech. Biomedical Engineering
5. M.Tech. Biotechnology

#### b. Civil Engineering Department

1. M.Tech. Environmental Engineering
2. M.Tech. Geo-Technical Engineering
3. M.Tech. Structural Engineering

#### c. Computer Science and Engineering Department

1. M.Tech. Computer Science & Engineering
2. M.Tech. Software Engineering
3. M.Tech. Information Security

#### d. Electrical Engineering Department

1. M.Tech. Control & Instrumentation/Power Systems
2. M.Tech. Power Electronics & ASIC Design

#### e. Electronics and Communication Engineering Department

1. M.Tech. Digital Systems
2. M.Tech. Microelectronics and VLSI Design

#### f. Mechanical Engineering Department

1. M.Tech. Design
2. M.Tech. Production Engineering
3. M.Tech. Computer Aided Design and Manufacturing
4. M.Tech. Product Design & Development

#### g. GIS Cell

1. M.Tech. (GIS & Remote Sensing)

## 2. Application Procedure

### 2.1. M.Tech. (Full Time, Stipendiary)

As decided in NIT Council, M.Tech. admission for all National Institute of Technologies will be conducted by centralized admission procedure. The Centralized Counselling for M. Tech. Admissions 2012 (CCMT 2012) for candidates possessing GATE score (2011 or 2012), to all the National Institutes of Technology (NITs) will be conducted by inviting online application through website <http://ccmt2012.mnit.ac.in>. Through a single application a candidate can apply for as many Institute/Programme as he/she wishes. A Applicant could check her/his eligibility for various programs on the website. Please refer to <http://ccmt2012.mnit.ac.in/> for more details. If you have further any query please contact [admissions@mnnit.ac.in](mailto:admissions@mnnit.ac.in). Phone numbers are 0532-2271109, 2271110.

## 2.2. M.Tech. (Part Time and sponsored)

Eligible candidates are required to download the application form from the Institute website [www.mnnit.ac.in](http://www.mnnit.ac.in). Dully filled-in and signed application form along with a demand draft of ₹1000/- (₹500/- for SC/ST) in favour of **Director, MNNIT** payable at **Allahabad** must reach to **The Admission Cell, Office of the Dean (Academic), Motilal Nehru National Institute of Technology Allahabad, Allahabad – 211004** latest by May 25, 2012 up to 5.30 PM.

To download the Application Form click here - > [\[DOC\]](#) [\[PDF\]](#)

**Note:** A candidate willing to apply for more than one programme in different department has to apply separately with a demand draft of ₹1000/- (₹500/- for SC/ST) for each programme.

## 3. Eligibility for Admission

### 3.1 Eligibility requirement for M.Tech. (Full-time Stipendiary)

**As per CCMT-2012. Please refer to <http://ccmt2012.mnnit.ac.in/>**

The admission to M.Tech. programme will be based on the Percentile/Score secured by the candidate at the Graduate Aptitude Test in Engineering (GATE). (Eligibility requirement for various programmes and number of seats are given subsequently.)

### 3.2 Eligibility requirement in M.Tech. (Part Time)

These Part-time programmes are run under the School of Non-formal and Continuing Education (SNFCE). These programmes are of 03 years duration out of which 02 years are scheduled for completion of course work and one year for the Thesis/Dissertation/Projects. These courses are offered to working professionals who are working in and around Allahabad City, up to a maximum limit of 50 KM from Allahabad. Candidates with minimum 02 years of working experience at the time of registration are eligible for admission.

- (i) ***The eligibility conditions given below are the absolute minimum. Departments may prescribe any other requirements over and above the absolute minimum, subject to the approval of the SPGC.***
- (ii) The "specified minimum" marks/CPI (Cumulative Performance Index), referred to in subsequent sections, implies a minimum of 60% aggregate marks or equivalent CPI for M.Tech. For SC/ST candidates eligibility in specified minimum marks is relaxed to 55% or equivalent.
- (iii) **Reservation:** For M.Tech. programmes presently 27% seats are reserved for OBC candidates (including 4.5% for OBC citizens of minority community), 15% seats are reserved for the Scheduled Castes candidates and 7.5% seats are reserved for the Scheduled Tribes candidates. For persons with physical disability (PD) 3% seats are reserved horizontally as prescribed by Government of India.
- (iv) The applicant must have a Bachelor's degree in Engineering/Technology or a Master's degree in appropriate discipline with marks/CPI not below the specified minimum.

### 3.3 Eligibility requirement in M.Tech. (Sponsored) Candidates

The institute may also admit sponsored candidates to full time M.Tech. Programmes. Following guidelines will be followed for admission to this category:

- (i) The candidates who have Bachelor's degree in Engineering/Technology/Pharmacy/Architecture/Planning or equivalent from AICTE approved institutions with at least 60% Marks or equivalent CPI (55% or equivalent for SC/ST candidates) will be eligible for admission. Preference will be given to those candidates who are GATE qualified. Sponsored candidates will not be eligible to receive scholarship, even if they are admitted based on GATE Score.
- (ii) The candidates must have a minimum of two Years of Full-Time work experience as on the date of registration in a registered firm/company/industry/educational and research institution/any government department or government autonomous organizations in the relevant field in which admission is being sought. A proof in this respect must be submitted along with the application form.
- (iii) A letter from the employer must be furnished at the time of test / interview stating that the candidate is being sponsored to get admission. The employer should also indicate that the candidates will not be withdrawn midway till the completion of the course. In case a candidate fails to produce the sponsorship letter, he/she shall not be interviewed.

#### 4. Seat Matrix for M.Tech. (Full time, stipendiary) and (Sponsored) Programme for academic session 2012-13

S. No.	Department / Cell	M.Tech. Programme Programme	Seat Matrix										Sponsored	Total
			OP	OBC	SC	ST	Minority	Persons with disabilities						
								OP	OBC	SC	ST	Minority		
A.	Applied Mechanics	Applied Mechanics	9	4	3	2	1	1					5	25
		Materials Science & Engineering	10	4	3	2	1						5	25
		Fluids Engineering	10	3	3	2	1		1				5	25
		Biomedical Engineering	10	4	3	2	1						5	25
		Biotechnology	7	3	2	1	1	1					5	20
B.	Civil Engineering	Civil Engineering (Environmental Engineering)	9	4	3	2	1	1					5	25
		Civil Engineering (Geo Technical Engineering)	(5 Sponsored by Ministry of Urban Development)										5	25
		Civil Engineering (Structural Engineering)	10	4	2	2	1			1			5	25
C.	GIS Cell	(GIS & Remote Sensing)	10	4	3	1	1				1		5	25
D.	Computer Science and Engineering	Computer Science & Engineering	9	4	3	2	1	1					5	25
		Software Engineering	10	4	2	2	1			1			5	25
		Information Security	10	4	3	2	1						5	25
E.	Electrical Engineering	Electrical Engineering (Control & Instrumentation/Power Systems)	10	4	3	2						1	5	25
		Electrical Engineering (Power Electronics & ASIC Design)	15	7	5	2	1	1					5	36
F	Electronics and Communication Engineering	Electronics Engineering (Digital System)	9	4	3	2	1	1					5	25
		Electronics Engineering (Microelectronics & VLSI Design)	10	4	3	2	1						5	25
		(Communication System)	9	4	3	2	1	1					5	25
G.	Mechanical Engineering	Mechanical Engineering (Design)	10	4	3	2	1						5	25
		Mechanical Engineering (Production Engineering)	10	4	3	2	1						5	25
		Mechanical Engineering (Computer Aided Design & Manufacturing)	9	4	3	2	1	1					5	25
		Mechanical Engineering (Product Design and Development)	10	3	3	2	1		1				5	25
Total			206	84	62	40	20	8	2	2	1	1	105	531

**Code: SC – Scheduled Caste**  
**SY– Stipendiary**  
**PT-Part-Time**

**ST – Scheduled Tribe**  
**NS – Non-Stipendiary**  
**OBMC – Other Backward Minority Community**

**SP - Sponsored**  
**OBC- Other backward class.**

#### NOTE:

1. Distribution of PH Category seats may be changed depending upon the availability of candidate.

#### 5. Seat Matrix, departments offering M.Tech.(Part Time) with eligibility

S.No.	Department	Programmes Specialisation	Qualifying Examination	Seats Available
A.	Civil Engineering	Structural Engineering	B.Tech. or equivalent in Architectural, Civil Engineering or Mechanical Engineering	15 seats in each programmes / specialization
		Geotechnical Engineering	B.Tech. or equivalent degree in Agriculture or Civil Engineering	
		Environmental Engineering	B.Tech. or equivalent degree in Agriculture, Architectural, Civil or Chemical Engineering and Mechanical Engineering, M. Sc. In Chemistry, Bio-Chemistry, Biotechnology, Bio- Engineering, Environmental Sciences, Geology with 60% marks in Bachelor or M. Sc. Level.	
B.	Computer Science and Engineering	Software Engineering	B.Tech. in Computer Science & Engineering/Information Technology or equivalent Branch of Engineering/M.C.A. or M.Sc. (Computer Science) or equivalent with aggregate minimum marks of 60% or equivalent CPI.	30 seats

C.	Electrical Engineering	Power Electronics and ASIC Design	B.Tech. or equivalent in Electrical, Electronics, Electronics and Communication Engineering or Instrumentation Engineering	15 seats in each programmes / specialisation
		Control & Instrumentation	B.Tech. or equivalent in Electrical, Electronics, Electronics and Communication Engineering or Instrumentation Engineering	
D.	Electronics & Communication Engineering	Digital Systems	B.Tech. or equivalent in Electronics Engineering, Electronics and Communication Engineering, Electronics & Instrumentation Engineering, Electrical Engineering	15 seats in each programmes / specialisation
E.	Mechanical Engineering	Production Engineering	B.Tech. or equivalent in Mechanical Engineering, Aeronautical Engineering, Production & Industrial Engineering, Automobile Engineering or Metallurgical Engineering	15 seats in each programmes / specialisation
		CAD/CAM	M.Tech. or equivalent in Mechanical Engineering, Aeronautical Engineering, Production & Industrial Engineering, Automobile Engineering or Metallurgical Engineering	

## 6. Fee structure

### (a) Institute Fee

- Fee structure for M.Tech programme:

Fees	For Hostellers
First Semester	₹ 25,613/-
Second Semester	₹ 23,225/-
Third Semester	₹ 23,888/-
Fourth Semester	₹ 23,225/-

**Note:** Students admitted to M.Tech. Computer Aided Design and Manufacturing under sponsored category will pay ₹ 31,613/- for 1<sup>st</sup> Semester (with hostel) and ₹ 30,238/- for Non hostellers).

- Fee structure for M.Tech (Part-time) programme:

Fees	1 <sup>st</sup> Semester	Fee for 2 <sup>nd</sup> , 3 <sup>rd</sup> and 4 <sup>th</sup> Semester	Fee for Thesis Semesters
Total fee (₹)	₹ 20,000.00	₹ 16,000.00	₹ 12,000.00

### (b) Mess charges

Hostel Mess charges for the M.Tech. and Ph.D. first semester is ₹ 10,000.00 and required to be deposited at the time of registration in the form of demand Draft in favour of “Chief Warden MNNIT, Allahabad” payable at Allahabad. However the mess charges may change and the same will be informed to the students.

## 7. Admission Criteria

### 7.1. M.Tech. Full-time (Stipendiary)

Please refer to <http://ccmt2012.mnit.ac.in/>

### 7.2. M.Tech. (Sponsored / Part-time)

Name of shortlisted candidates will be displayed on the Institute website on 05.6.2012 with the details of written examination / interview to be conducted by Admission Cell/Examination Cell in association with respective departments. Tentative schedule of the written examination / interview for different departments are given in section 8.

### **Important Notes:**

- (i) **Separate application forms** must be filled for courses offered by different departments along with the prescribed fee. However, separate fee is not to be paid for separate courses offered by the same department.
- (ii) No separate letter will be sent by the institute for attending the test/interview/Counseling.
- (iii) Candidates are advised to visit the Institute website **www.mnnit.ac.in** for regular update.
- (iv) The name of the short listed candidates shall also be displayed on the Notice Board of the Departments. The written examination and/or counseling will commence from 10.00 A.M.
- (v) No candidate shall be considered for written examination / interview without the result of the qualifying examination. If selected, such candidates will be allowed to join the programme provisionally, only if he/she submits a certificate on the dated of written examination / interview from the Principal/Registrar of his/her College/Institute stating that the candidate has completed all the requirements for obtaining the qualifying degree on the date of the issue of the certificate. However, mark sheet of qualifying examination with requisite marks or equivalent CGPA must be submitted to the office of Dean (Academic) on or before the first week of September 2012, failing which will lead to cancellation of admission.

### **8. Tentative Counseling schedule for M.Tech. Programme**

- The candidates should **report to the concerned Head of the Department/Cell/Centre/School at 10.00 A.M.** Counseling will be held as per the schedule given below:
- Candidates sponsored by Ministry of Urban Development for admission to M.Tech. (Environmental Engineering) course are required to report on 14.07.2012 for registration.

Date	Department/Cell/Centre
05.06.2012	Display of short listed candidates on MNNIT Website
<b>M.Tech. Counseling Schedule</b>	
<b>For M.Tech. (Stipendiary) : As per CCMT-2012 schedule; Please refer to <a href="http://ccmt2012.mnnit.ac.in/">http://ccmt2012.mnnit.ac.in/</a></b>	
For M.Tech. (Sponsored and Part time)	
18.06.2012	Civil Engineering
18.06.2012	Mechanical Engineering
18.06.2012	Electrical Engineering
19.06.2012	Computer Science & Engineering
19.06.2012	Applied Mechanics
20.06.2012	Electronics & Communication Engineering
20.06.2012	GIS and Remote Sensing
25.07.2012	Commencement of classes

The name of the short listed candidates shall also be displayed on the Notice Board of the Departments. The test and/or counseling will commence from 10.00 A.M.

**Note:** No candidate shall be considered for counseling without the result of the qualifying examination. However as a special case, if the results are not available, they should produce proof that they have completed all the requirement of qualifying examination from the Director / Principal of the Institute. In such cases Final mark sheet should be submitted on the day of counseling/registration, otherwise admission will be automatically cancelled.

### **9. Documents required**

- (i) The candidates are required to bring following documents **at the time of counseling/interview:**
  - a. High School Certificate in original.
  - b. Mark sheets of qualifying examination in original.
  - c. Character Certificate issued by the Head of the institution last attended.
  - d. Certificate of sponsorship (if applicable).
  - e. No. Objection certificate from employer (if applicable).
  - f. OBC/SC/ST/PH certificate, if applicable.
  - g. Certificate of OBMC (for a sub-quota of 4.5% for minorities within the 27% reservation for OBCs)

(ii) The candidates are required to bring following documents **at the time of registration i.e. on 14.7.2012:**

- a. Passport size Photographs (5 Nos.).
- b. One set of attested copies of all the above documents listed in section 12 (i) above.
- c. Admission letter

**Note:** 1. The institute reserves the right to refuse admission to any candidate without assigning any reason. All disputes are subject to Allahabad High Court only.  
2. The number of seats may vary without prior notice.

#### 10. Eligibility requirements for scholarship

All GATE qualified candidates admitted to a full-time programme in M.Tech. (except under non-stipendiary category) are eligible for scholarship subject to the laid down norms of the MHRD, Govt. of India.

In case a candidate leaves the programme in-between, he/she will have to refund the entire money drawn by him/her as scholarship. Beside this he/she will have to clear all the dues pending against him/her.

#### 11. Important dates

Download of Application Form	17.04.2012
Last date for receipt of the printed and signed application form	25.5.2012 up to 5.30PM
Display of short listed candidates	05.06.2012
<b>Counseling dates for M.Tech. (Stipendiary)</b>	<b>As per CCMT-2012 schedule</b>
Counseling dates for M.Tech. (Sponsored and Part Time)	18.06.2012 to 20.06.2012
Registration of M.Tech. candidates	14.07.2012
Commencement of classes	25.07.2012

#### 12. Admission Fee for selected candidates

(a) **M.Tech.**

Selected candidates for M.Tech. programme will be required to deposit a **non-refundable admission fee on the day of counseling as a Demand Draft of ₹ 12000/- in favour of "Director MNNIT Allahabad" payable at Allahabad.**

Admission fee is not refundable in any case whatsoever. The balance fee, if any, is to be deposited at the time of registration.

#### 13. Address to send the application form

**The filled up and signed application form along-with demand draft should be dispatched/submitted at the following Address so as to reach on or before 25.5.2012 up to 05.30 PM:**

Admission Cell  
Office of the Dean (Academic)  
Motilal Nehru National Institute of Technology Allahabad  
Allahabad-211004  
Phone: Office: (0532) 227-1109, 227-1110; Fax: (0532) 2445101  
Email ID: admissions@mnnit.ac.in