

## # Historical Background of MNNIT Allahabad

### Establishment and Evolution:

- **Foundation:** Motilal Nehru National Institute of Technology (MNNIT) Allahabad was established as Motilal Nehru Regional Engineering College (MNREC) in 1961. It was one of the first regional engineering colleges in India, established to address the need for technical education and regional development.
- **Naming:** Named after Pandit Motilal Nehru, a distinguished Indian freedom fighter and the father of Jawaharlal Nehru, India's first Prime Minister, the institute has carried forward a legacy of excellence and innovation.
- **Upgradation:** In 2002, MNREC was elevated to the status of a National Institute of Technology and declared a Deemed University, aligning it with other prestigious NITs across India. This upgrade enabled it to gain more autonomy in curriculum development and academic decisions.

### Infrastructure Development:

- **Early Years:** Initially, the institute operated with limited infrastructure, focusing on essential academic buildings and laboratories to support its early academic programs.
- **Expansion:** Over the decades, MNNIT has seen significant expansion in terms of infrastructure. The campus now includes state-of-the-art academic buildings, modern laboratories, and advanced research centres.
- **Modernization:** The institute has continuously upgraded its facilities to meet global standards. This includes smart classrooms, high-speed internet connectivity, advanced computational labs, and cutting-edge research equipment.

### Academic Growth:

- **Curriculum Development:** The academic programs have evolved significantly since the institute's inception. Initially offering basic engineering courses, MNNIT now provides a diverse range of undergraduate, postgraduate, and doctoral programs.
- **Department Formation:** New departments were added over the years to cater to the growing fields of engineering and technology. For instance, the Department of Computer Science and Engineering was established to keep pace with the IT revolution.
- **Accreditation and Recognition:** The institute received accreditation from national bodies like the National Board of Accreditation (NBA) and was recognized by the University Grants Commission (UGC), reflecting its commitment to maintaining high academic standards.

### Specific notable milestones in the history of MNNIT Allahabad:

1. **1961:** Establishment of the institute as Motilal Nehru Regional Engineering College (MNREC).
2. **1976:** Introduction of the postgraduate program in Computer Science and Engineering.
3. **1982:** Launch of the Master of Computer Applications (MCA) program, one of the first in India.
4. **2002:** Transformation into a Deemed University and renamed to Motilal Nehru National Institute of Technology (MNNIT).
5. **2007:** Recognition as an Institute of National Importance under the National Institutes of Technology Act.
6. **2008:** Introduction of the MBA program under the School of Management Studies.
7. **2010:** Establishment of the Center of Excellence in Software Engineering.
8. **2012:** Inauguration of the new Central Library building, enhancing research and learning resources.

9. **2016:** Setting up of the Innovation and Incubation Centre to promote entrepreneurship among students.
10. **2020:** Implementation of advanced online learning platforms in response to the COVID-19 pandemic, ensuring continuity of education.

These milestones reflect the significant developments and achievements that have shaped MNNIT Allahabad into a premier technical institution in India.

#### **Key Milestones:**

- First in India to start an undergraduate program in Computer Science & Engineering (1976-77).
- Started the first Master's Program in Mechanical Engineering (1966).
- Established School of Management Studies offering MBA (1996).

#### **Research and Innovation:**

- **Early Research Initiatives:** In its early years, MNNIT focused on building a strong foundation for research. Faculty members initiated research projects in collaboration with government agencies and industry partners.
- **Specialized Research Centers:** The establishment of specialised research centres marked a significant milestone in the institute's history. These centres focused on areas like nanotechnology, robotics, renewable energy, and artificial intelligence.
- **Industry Collaboration:** MNNIT has a long history of collaboration with industry, which began in its early years. These collaborations facilitated practical exposure for students and enhanced the institute's research capabilities.

#### **Coding Culture and Technical Activities:**

- **Origins:** The coding culture at MNNIT began to take shape in the late 1990s and early 2000s, with students participating in national coding competitions and securing top positions.
- **Growth:** Over the years, the coding culture grew stronger, with the establishment of coding clubs and regular coding contests. Students started excelling in international competitions like ACM-ICPC.
- **Hackathons and Workshops:** The tradition of organising hackathons and technical workshops started early and has continued to grow. These events provide students with platforms to showcase their skills and work on innovative projects.

#### **Rankings and Recognitions:**

- **Early Rankings:** In its early years as an NIT, MNNIT began to feature in national rankings, recognized for its academic excellence and research output.
- **Consistent Performance:** Over the years, the institute has maintained a strong position in national rankings, often competing with top NITs and IITs. This consistent performance is a testament to its ongoing commitment to quality education and research.
- **NIRF Rankings:** According to the National Institutional Ranking Framework (NIRF) 2019, MNNIT Allahabad was ranked 42nd among engineering institutions in India. The institute's placement records played a significant role in achieving this rank, reflecting its strong industry connections and successful placement drives.

#### **Student Life and Extracurricular Activities:**

- **Cultural and Technical Fests:** The tradition of cultural and technical fests like Culrav and Avishkar began in the early years of the institute. These fests have grown in scale and popularity, attracting participants from across the country.
- **Sports and Recreation:** MNNIT has always placed importance on sports and recreational activities. The early sports facilities have been expanded and modernised over the years to support a wide range of sports and physical activities.

**The establishment of MNREC was a result of collaborative efforts by several key individuals and government bodies:**

1. **Government of India:** The Ministry of Education initiated the establishment of MNREC as part of a national plan to set up Regional Engineering Colleges (RECs) to promote technical education.
2. **State Government of Uttar Pradesh:** The state provided land and funding support for the college.
3. **Pandit Jawaharlal Nehru:** The then Prime Minister of India, Nehru's vision for a technologically advanced nation played a crucial role in the inception of MNREC.
4. **Local Leaders and Educationists:** Their advocacy and guidance were instrumental in bringing the project to fruition.

MNREC was later upgraded to NIT status in 2002, becoming MNNIT Allahabad, and has since grown into a prestigious institution contributing significantly to technical education and research in India.

#### **Facilities and Achievements:**

- Networked campus with 94 Mbps leased line.
- Initiated a self-employment project in 1972, establishing an industrial estate with 68 sheds.
- Selected as a lead institution in the Design theme under Indo-UK REC Project (1994-99).
- Lead Institution under World Bank-funded TEQIP (2002-2007).

#### **Current director and dean of MNNIT Allahabad:**

**Prof. Rama Shanker Verma** - Director

**Prof. Laxmi Kant Mishra** - Dean

For detailed information about associate deans, secretaries, and other administrative positions at MNNIT Allahabad, please visit

[http://www.mnnit.ac.in/index.php?option=com\\_content&view=article&id=298&itemid=216](http://www.mnnit.ac.in/index.php?option=com_content&view=article&id=298&itemid=216)

#### **Clubs and Committees for Academic and Administrative Purposes at MNNIT Allahabad**

##### **Committees for Academic and Administrative Purposes:**

- **Dean (Academic):** Prof. Amit Kumar Gupta
- **Dean (Research and Consultancy):** Prof. Y.N. Singh
- **Dean (Planning and Development):** Prof. P.K. Kalra
- **Dean (Faculty Welfare):** Prof. Sunil Kumar
- **Dean (Resources and Alumni):** Prof. D.K. Chaturvedi
- **Dean (Student Welfare):** Prof. Prabhakar Tiwari

##### **Associates:**

- **Associate Dean (Academic - UG):** Prof. D.N. Vishwakarma
- **Associate Dean (Academic - PG):** Prof. Rajeev Srivastava
- **Associate Dean (Academic - UG):** Prof. Anupam Shukla
- **Associate Dean (Planning and Development):** Prof. S.K. Verma
- **Associate Dean (Resources and Alumni):** Prof. S.K. Verma
- **Associate Dean (Student Welfare):** Prof. Sandeep Joshi

For more information, visit the [MNNIT Allahabad official website](#).

### **Academic Programs:**

- Offers nine B.Tech. programs, nineteen M.Tech. programs (including part-time), MCA, MBA, M.Sc. (Mathematics and Scientific Computing), and Master of Social Work (M.S.W.).
- Registers candidates for Ph.D. degrees.
- Recognized for the Quality Improvement Programme for M.Tech. and Ph.D. by the Government of India.

### **# Total Branches in BTech:**

There are **nine** branches in Btech programme at MNNIT Allahabad:

- Biotechnology
- Chemical Engineering
- Civil Engineering
- Computer Science and Engineering
- Electrical Engineering
- Electronics and Communication Engineering
- Engineering and Computational Mechanics
- Mechanical Engineering
- Production and Industrial Engineering

### **Core Subjects in Each Branch**

#### **Computer Science and Engineering (CSE)**

- Data Structures and Algorithms
- Operating Systems
- Computer Networks
- Database Management Systems
- Software Engineering
- Compiler Design
- Computer Architecture and Organization
- AIML
- Web Technologies
- Programming Languages (e.g., C, C++, Java, Python)

#### **Electrical Engineering (EE)**

- Circuit Theory
- Electromagnetic Fields
- Analog and Digital Electronics
- Electrical Machines
- Power Systems

- Control Systems
- Power Electronics
- Electrical Measurements and Instrumentation
- Microprocessors and Microcontrollers
- Renewable Energy Systems
- Signals and Systems

### **Mechanical Engineering (ME)**

- Engineering Mechanics
- Thermodynamics
- Fluid Mechanics
- Strength of Materials
- Manufacturing Processes
- Heat Transfer
- Machine Design
- Theory of Machines
- Dynamics of Machinery
- Mechanical Vibrations
- Control Engineering
- Computer-Aided Design (CAD)

### **Civil Engineering (CE)**

- Engineering Mechanics
- Structural Analysis
- Concrete Technology
- Fluid Mechanics and Hydraulics
- Geotechnical Engineering
- Transportation Engineering
- Environmental Engineering
- Construction Materials and Management
- Surveying
- Design of Reinforced Concrete Structures
- Design of Steel Structures
- Water Resources Engineering

### **Electronics and Communication Engineering (ECE)**

- Circuit Theory
- Analog and Digital Electronics
- Signals and Systems
- Communication Systems
- Electromagnetic Theory
- Microprocessors and Microcontrollers
- Digital Signal Processing
- VLSI Design
- Antenna and Wave Propagation
- Control Systems
- Embedded Systems
- Optical Communication

### **Chemical Engineering (ChE)**

- Chemical Process Calculations
- Fluid Mechanics
- Heat Transfer
- Mass Transfer
- Chemical Reaction Engineering
- Thermodynamics
- Process Dynamics and Control
- Chemical Process Technology
- Instrumentation and Process Control
- Biochemical Engineering
- Materials Science and Engineering
- Environmental Engineering

### **Biotechnology**

- Cell Biology
- Molecular Biology
- Biochemistry
- Genetics
- Microbiology
- Immunology
- Bioprocess Engineering
- Bioinformatics
- Genetic Engineering
- Environmental Biotechnology
- Industrial Biotechnology
- Plant and Animal Biotechnology

### **Production and Industrial Engineering**

- Operations Research
- Manufacturing Processes
- Industrial Engineering
- Production Planning and Control
- Quality Control
- Operations Management
- Work Study and Ergonomics
- Industrial Automation
- Supply Chain Management
- Materials Management

### **Engineering and Computational Mechanics (ECM)**

- Core subjects yet to be detailed

*# The student-teacher ratio at MNNIT Allahabad is 20:1. Methods of teaching include projectors, model making, and traditional board-based instruction.*

**Diversity of students:** MNNIT Allahabad has a diverse student population, including DASA students from countries like Nepal, Dubai, Oman, America, Singapore, and other Gulf countries, in addition to students from various states across India.

**Branch Change:** From the year 2024-25 onwards, branch changes after the first year will not be permitted.

### **Branches with Highest Placement Rates and Average Salaries**

Computer Science and Engineering (CSE) has the highest placement rates and average salaries. Detailed statistics can be found on the MNNIT website.

### **Programs Offered by MNNIT Allahabad**

#### **Master of Technology (M.Tech)**

- Offered by all engineering departments
- Duration: Four semesters
- First and second semesters: Coursework
- Third and fourth semesters: Thesis work

#### **Master of Computer Applications (MCA)**

- Offered by the Department of Computer Science and Engineering
- Admission based on NIMCET results

#### **Master in Business Administration (MBA)**

- Admissions based on CAT scores
- Specialisations: Finance, Human Resource, Marketing, International Business, Operational Research, System Management

#### **Master of Science (M.Sc)**

- Offered in Mathematics & Scientific Computing by the Department of Mathematics

#### **Ph.D. Programs**

- Available in all academic departments

and any other Masters' Programme as approved by the Senate from time to time.

### **Senate Masters' Programme Committee (SMPC)**

#### **Composition:**

- Conveners of the Department Master's Programme Committee (DMPC) from each Academic Department.
- Six additional members:
  - Outgoing Chairperson (SMPC).
  - Chairperson SDPC (if not otherwise a member).
  - Two Senate nominees.
  - Two Masters' students (one male, one female, from different Masters' Programmes).
- Chairperson SMPC and Senate nominees are nominated by the Senate/Chairperson Senate.
- Tenure for Chairperson SMPC and Senate members is typically two years.
- SMPC meets at least twice every semester.

**Jurisdiction:**

- Recommend new study programmes.
- Modify eligibility criteria for PG admissions.
- Propose new courses, modify or delete existing courses.
- Adjust course credit values.
- Modify exam and degree award rules.
- Address any referred matters from the Senate.

**Role:**

- Policy determination, coordination, and review.
- The Senate retains final decision-making power.
- Utilises appraisals and recommendations from Academic Departments.
- Assisted by Department Masters' Programme Committees.

**Department Masters' Programme Committee (DMPC)****Composition:**

- **Chairperson:** Head of the Department (ex-officio)
- **Members:**
  - Convener DUGC/DDPC
  - 3 to 5 departmental faculty members (including at least one Professor, one Associate Professor, and one Assistant Professor)
  - One Professor from another department
  - Two departmental Masters' students (nominated for one year)

**Functions:**

- Address and advise on students' academic issues.
- Monitor the quality and standards of the programme.
- Propose and implement new courses or modifications to existing courses.
- Consider BoAc recommendations for submission to the Senate.

**Operational Details:**

- Proposed by the Head of the Department, approved by the Chairperson SMPC.
- Officer In-charge for each specialisation decided by DMPC.
- Committee tenure: Two years.
- Meets at least twice per semester.
- Student members do not participate in academic evaluations of peers.

**Documentation:**

- Keep records of decisions and recommendations.

**Eligibility for Admission in Master's programme:**

1. **Minimum Requirements:**
  - Minimum 60% aggregate marks or a CPI of 6.5 in the qualifying examination.
  - For SC/ST candidates, eligibility is relaxed as per Government of India norms.
2. **Additional Departmental Requirements:**



- Departments may set additional requirements, subject to the approval of the Chairperson Senate.
- 3. **ICCR Scheme Candidates:**
  - Eligibility verified by the Department Masters' Selection Committee (DMSC) based on criteria for regular Master's programs.
  - GATE/NET/JAM/CUCET qualifications are not required, but a valid GRE score is necessary.
- 4. **Reservation:**
  - Reservations are made as per Government of India rules.

## **Categories of Master's Students/Programmes**

### **Full-Time Students:**

- **Full-Time Stipendiary:** Receive financial assistance (stipend/fellowship) based on academic performance and attendance.
- **Full-Time Non-Stipendiary:** Do not receive financial assistance from the Institute.
- **Full-Time Sponsored:** Sponsored by AICTE under QIP or by Government/Semi-Government organisations for full-time research work at the Institute.

### **Part-Time Students:**

- Admitted for Master's programmes while continuing full-time employment.
- Classes held in evenings or weekends, with about half the course load of full-time students.
- Minimum duration: three years, maximum: five years. Self-financed programme.

### **Conversion from M.Tech. (Full-Time) to M.Tech. (Part-Time):**

- Full-time M.Tech. students can convert to part-time after completing coursework and with valid reasons.
- Approval required from Chairperson SMPC based on application through supervisor and DMPC.

### **Foreign Students:**

- **Sponsored Foreign Students:** Sponsored by their government or employer with scholarships from agencies like ICCR, GoI.
- **Self-financed Foreign Students:** Apply through DASA/Ministry of External Affairs, meeting specific admission guidelines and conditions.

## **Admission Procedure**

1. **Approval Process:**
  - Admissions require Chairperson Senate approval based on DMSC recommendations.
2. **Reservation:**
  - Follows Government of India rules.
3. **Admission Letter Issuance:**
  - The Head of Department issues letters post approval; fee payment confirms acceptance.
4. **Admission Withdrawal:**
  - Offer withdrawn if fee not paid by due date or registration not completed on time.
5. **Provisional Admission:**

- Candidates awaiting final results may be provisionally admitted, pending proof of passing.
- 6. **Special Admissions:**
  - ICCR, DASA, MEA admissions follow scheme-specific rules, verified by DMSC.

### **Non-Degree and Part-Time Students**

- **Non-Degree Students:**
  - Sponsored by other institutes, allowed for research/course work, with credits transferable.
- **Part-Time Students:**
  - Admission based on experience, employment record, and interview. Requirements align with full-time standards.

### **Registration and Leave Rules Summary for Master's programme:**

1. **Registration Process:**
  - Coordinate by Dean (Academic); involves fee payment, clearance of dues, and physical sign-in.
  - All students, even on leave, must register.
2. **Late Registration:**
  - Not permitted after the specified deadline without Dean's permission.
3. **Academic Advising:**
  - DMPC advises on course selection; thesis students need assigned supervisors.
4. **Semester Load Requirements:**
  - Full-time: Minimum 20 credits; Part-time: 8-12 credits per semester.
5. **Leave Rules:**
  - **Annual Leave:** Up to 8 days per semester (non-stipendiary); 15 days annually (stipendiary).
  - **Semester Leave:** Up to two semesters with valid reasons, approved by DMPC and Dean (Academic).
  - **Medical Leave:** Maximum 15 days per academic year; longer with medical proof and approval.
  - **Consequences:** Unsanctioned absence affects financial assistance; long absence may lead to program termination.
6. **Study Leave:**
  - Available as per Institute norms for eligible students.

This summary covers essential points for understanding registration and leave policies at the institute.

### **Steps to Pursue M.Tech, M.S., Ph.D., or MBA Programs at MNNIT Allahabad:**

#### **1. Check Eligibility Criteria**

- **M.Tech:** Bachelor's in Engineering/Technology with a valid GATE score.
- **M.S. (Research):** Bachelor's in Engineering/Technology or Master's in Science with a valid GATE score or equivalent.
- **Ph.D.:** Master's in Engineering/Technology or related field with a valid GATE/NET score or equivalent.
- **MBA:** Bachelor's degree with a valid CAT/MAT score.

#### **2. Prepare Required Documents**

- Academic transcripts and certificates.
- Valid entrance exam scores (GATE, NET, CAT, MAT, etc.).
- Statement of Purpose (SOP) or research proposal.
- Letters of Recommendation (for Ph.D. programs).
- Resume/CV.

### 3. Application Process

- **Online Application:** Visit the official MNNIT Allahabad website and complete the online application form.
- **Application Fee:** Pay the application fee online.
- **Submit Documents:** Upload scanned copies of required documents.

### 4. Entrance Exam

- **GATE:** For M.Tech and M.S. programs.
- **CAT/MAT:** For MBA programs.
- **NET/GATE:** For Ph.D. programs (if applicable).

### 5. Shortlisting and Interview

- **M.Tech:** Based on GATE score and academic performance.
- **M.S.:** Based on GATE score and academic performance.
- **Ph.D.:** Based on entrance test (if applicable), academic performance, and interview.
- **MBA:** Based on CAT/MAT score, academic performance, and interview.

### 6. Final Selection

- **M.Tech:** Based on GATE score, academic performance, and interview (if applicable).
- **M.S.:** Based on GATE score, academic performance, and interview (if applicable).
- **Ph.D.:** Based on entrance test (if applicable), academic performance, and interview.
- **MBA:** Based on CAT/MAT score, academic performance, and interview.

### 7. Admission and Enrollment

- **Offer Letter:** Receive an admission offer letter if selected.
- **Acceptance:** Accept the offer by paying the admission fee and confirming your seat.
- **Enrollment:** Complete the enrollment process by submitting original documents and attending the orientation.

### Thesis and Examination Process (M.S. & Ph.D.) :

#### 1. Thesis Proposal

- **M.S.:** Submit a concise thesis proposal for approval.
- **Ph.D.:** Submit a detailed research proposal including problem statement, literature review, and methodology.

#### 2. Coursework

- **M.S.:** Complete the necessary coursework as prescribed.
- **Ph.D.:** Fulfil coursework requirements related to your research area.

### 3. Progress Reports

- Submit periodic progress reports to your supervisor and the department.

### 4. Pre-Submission Seminar

- **M.S.:** Present research findings in a seminar to get feedback.
- **Ph.D.:** Conduct a pre-submission seminar to present research work and incorporate feedback.

### 5. Thesis Submission

- **M.S.:** Prepare and submit the final thesis as per guidelines.
- **Ph.D.:** Write and submit the final thesis for evaluation.

### 6. Thesis Evaluation

- **M.S.:** Evaluated by internal and external examiners.
- **Ph.D.:** Evaluated by external examiners with detailed feedback.

### 7. Viva Voce

- **M.S.:** Defend your thesis in an oral defence.
- **Ph.D.:** Defend your research work in a comprehensive viva voce.

### 8. Final Submission

- Make revisions suggested by examiners and submit the corrected thesis.

## Overview of Graduate Programs

- **M.Tech:** Two-year technical program in various engineering disciplines.
- **M.S. (Research):** Research-oriented program in specific areas of engineering and technology.
- **Ph.D.:** Doctoral program focusing on advanced research and new knowledge creation.
- **MBA:** Two-year management program covering various business domains.

## Eligibility Criteria for Programs

- **M.Tech:** Bachelor's in Engineering/Technology and a valid GATE score.
- **M.S. (Research):** Bachelor's in Engineering/Technology or Master's in Science with a valid GATE score or equivalent.
- **Ph.D.:** Master's in Engineering/Technology or related field with a valid GATE/NET score or equivalent.
- **MBA:** Bachelor's degree with a valid CAT/MAT score.

## Admission Procedure

- **Application:** Fill out the online application form on the MNNIT Allahabad website.
- **Entrance Exams:** Submit valid scores for the required exams (GATE, CAT/MAT, NET).
- **Shortlisting:** Based on entrance exam scores and academic performance, candidates are shortlisted for interviews/tests.

- **Final Selection:** Based on exam scores, academic records, interviews, and specific program criteria.

These steps will guide you through applying for and enrolling in advanced degree programs at MNNIT Allahabad.

#### **PROVISION FOR JOINING OTHER ACADEMIC INSTITUTIONS AS A NON-DEGREE STUDENT:**

##### **Rules and Procedures:**

1. **Eligibility:**
  - Masters' students who have completed at least two semesters and the course work.
  - Students must present their research/industrial proposal before proceeding as non-degree students.
2. **Application Process:**
  - Submit an application in the prescribed format (Form: MP03) to the Chairperson SMPC through DMPC and the thesis supervisor.
  - The application must include a statement of purpose, information about the host institution, and an acceptance letter from the host institution.
3. **Permission and Leave:**
  - Permission to proceed as a non-degree student does not automatically grant a waiver from academic requirements at MNNIT Allahabad.
  - Students will be on authorised leave during their absence.
  - Stipendiary students must provide proof of not receiving financial assistance from the host institution to continue receiving their stipend from MNNIT upon their return.
4. **Registration and Reporting:**
  - Students unable to physically report during registration due to their assignment at the host institution may be allowed to report later with permission from the Dean Academic and recommendation from the Head of the Department.

#### **PROGRAMME REQUIREMENTS**

##### **Attendance, Minimum Residence, Maximum Duration and Extension Requirements:**

1. **Attendance:**
  - Minimum 75% attendance required in each subject to appear in the End Semester Examination.
  - The 25% shortage allowance includes absence due to sports, campus interviews, medical reasons, etc.
2. **Residence and Duration:**
  - Registration must be completed over consecutive semesters unless on authorised leave.
  - Maximum duration is counted from the first registration date.

##### **M.Tech**

- **Minimum Total Credits:** 80
- **Minimum Credits through Coursework:** 40
- **Minimum Credits through Research:** 40
- **Minimum Residence Period (semesters) Full-time/Part-time:** Two/Four
- **Maximum Duration Full-time (semesters):** Seven
- **Maximum Duration Part-time (semesters):** Ten
- **Converted From Full-time To Part-time:** Seven

## **MBA**

- **Minimum Total Credits:** 80
- **Minimum Credits through Coursework:** 60
- **Minimum Credits through Research:** 20
- **Minimum Residence Period (semesters) Full-time/Part-time:** Four/Five
- **Maximum Duration Full-time (semesters):** Seven
- **Maximum Duration Part-time (semesters):** Ten
- **Converted From Full-time To Part-time:** NA

## **MCA**

- **Minimum Total Credits:** 120
- **Minimum Credits through Coursework:** 100
- **Minimum Credits through Research:** 20\*
- **Minimum Residence Period (semesters) Full-time/Part-time:** Five
- **Maximum Duration Full-time (semesters):** Nine
- **Maximum Duration Part-time (semesters):** Twelve
- **Converted From Full-time To Part-time:** NA

## **M.Sc.**

- **Minimum Total Credits:** 80
- **Minimum Credits through Coursework:** 60
- **Minimum Credits through Research:** 20
- **Minimum Residence Period (semesters) Full-time/Part-time:** Four
- **Maximum Duration Full-time (semesters):** Seven
- **Maximum Duration Part-time (semesters):** NA
- **Converted From Full-time To Part-time:** NA

## **MSW**

- **Minimum Total Credits:** 80
  - **Minimum Credits through Coursework:** 60
  - **Minimum Credits through Research:** 20
  - **Minimum Residence Period (semesters) Full-time/Part-time:** Four
  - **Maximum Duration Full-time (semesters):** Seven
  - **Maximum Duration Part-time (semesters):** Ten
  - **Converted From Full-time To Part-time:** NA\*Includes industry/academic internship or equivalent.
3. **Extension of Programme:**
- Students who exceed the maximum duration must seek an extension from the Senate on recommendations of the DMPC and SMPC.

## **Teaching and Evaluation:**

1. **Teaching:**
- Medium of instruction is English.
  - Courses are conducted by a Course Coordinator with assistance from Faculty Members.
  - The Course Coordinator provides lecture plans and assessment schemes at the start of classes.
  - Teaching assignments are determined by the Head of the Department.

- Students may audit additional courses with permission.
- 2. **Evaluation:**
  - Continuous evaluation based on quizzes, assignments, laboratory work, mid-semester (1.5 hrs), and end-semester exams (2.5 hrs).
  - Mid-Semester: 25%, Teacher Assessment: 25%, End-Semester: 50%.
- 3. **Paper Setting:**
  - The Course Coordinator, with associated Faculty Members, sets exam papers.
  - The Dean (Academic) may form a moderation committee if required.
- 4. **Examination Schedule:**
  - Schedule prepared and announced by Dean (Academic) for mid-semester, end-semester, and grade improvement exams.
  - Laboratory exam schedules announced by the Head of the Department.
- 5. **Grade Improvement Examination:**
  - Conducted annually with no regular classes held.
  - Students registered for courses but couldn't appear for exams or have "ACD" status are eligible.
  - Maximum of five courses can be taken in this exam annually.
  - Weightage for grade improvement: Theory - 75%, Teacher Assessment - 25%.

#### **Grading System:**

1. **Grades and Grade Points:**
  - Letter Grades: A+, A, B+, B, C, D, F/N/ABS with corresponding points (10 to 0).
  - Relative grading system used with majority in the middle range.
  - Grading system is similar to the Btech programme.

#### **Special Grades:**

- S (Satisfactory), X (Unsatisfactory), W (Withheld Temporarily).
- 3. **SPI/CPI Calculation:**
  - SPI: Weighted average of grade points earned in all courses in a semester.
  - CPI: Overall performance in all registered courses up to the latest completed semester.

#### **Academic Performance Requirements:**

1. **Minimum SPI/CPI:**
  - Minimum SPI/CPI of 5.5 required for continuing in the program.
2. **Academic Deficiency (ACD) Status:**
  - Students with SPI < 5.5 in the first semester are "ACD" and can register for the second semester without stipend/fellowship.
  - Conditions for third and subsequent odd semester registrations include CPI ≥ 5.5 and no ABS, W, F/N, or X grades.
  - ACD students advised on remedial actions by the Head of the Department and DMPC Convener.

## Branch-Specific Student Clubs and Organisations:

While there are no branch-specific clubs, many branches organise their own workshops, seminars, and events related to their fields.

## Computer Science and Engineering (CSE) Specific Information

- **Primary Programming Languages and Technologies:** C/C++, Java, Python, SQL
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- **Recommended Starting Language:** Python for its simplicity and versatility
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- **Setting Up Development Environment:** Install a code editor (e.g., VS Code, PyCharm) and relevant language interpreters or compilers
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- **Best Resources for Learning to Code:** Codecademy, Coursera, Udacity, freeCodeCamp, YouTube channels like "Programming with Mosh" and "Traversy Media"
- **Choosing Between Java and C++:** Depends on interests; Java is good for web and enterprise applications, while C++ is good for system/software development and game development.
- 
- **Implementing a Simple Project:** Define requirements, plan architecture, write and test code in small modules, integrate, and perform end-to-end testing.
- 
- **Platforms for Coding Practice and Competitions:** LeetCode, HackerRank, CodeSignal, Codeforces, TopCoder.
- 
- **Typical Problems in Coding Competitions:** Algorithms, data structures, combinatorics, and mathematical concepts.
- 
- **Improving Problem-Solving Skills:** Regular practice, breaking problems into smaller parts, understanding different approaches, and learning from others' solutions.
- 
- **Basics of Web Development:** HTML structures content, CSS styles it, and JavaScript adds interactivity.
- 
- **Frontend vs. Backend Development:** Frontend deals with UI/UX (HTML, CSS, JavaScript), backend deals with server-side logic (Python, Java, Node.js).
- 
- **Common Tools and Frameworks:** React, Angular, Vue.js (Frontend); Express (Node.js), Django (Python), Spring (Java) (Backend).
- 
- **Mobile Application Development:** Choose platform (Android or iOS), learn relevant languages (Java/Kotlin for Android, Swift for iOS), use development environments (Android Studio, Xcode)
- **Differences Between Android and iOS Development:** Android uses Java/Kotlin and Android Studio, iOS uses Swift and Xcode.
- 
- **Basic Concepts in Mobile UI/UX Design:** Follow platform's design guidelines, focus on user experience, ensure responsiveness and accessibility
- 
- **Importance of Databases:** Organise data systematically, ensure data integrity, enable efficient querying, provide security, and support backup and recovery



## ECE Specific Information

- **Coding Competitions Available:** Hackathons, coding contests, electronics and embedded systems competitions, robotics competitions, IoT and smart systems competitions, interdisciplinary competitions, industry-sponsored competitions, university-specific competitions like Avishkar.
- **Programming Languages for ECE:** C/C++, Python, MATLAB, Java, Verilog/VHDL.
- **Common Tools and Software in ECE Labs:** MATLAB.

## Registration for Minor Programme(s)

- **Eligibility:** Register before the 3rd/4th semester if eligibility is met (Form: BP-05).
- **Course Load:** Max two Minor credit courses per semester.
- **Application:** Apply by the notified last date (Form: BP-06).
- **Seats:** Limited to 10-20% of the total intake of the B.Tech. programme; can be increased based on resources.
- **Minimum Students:** At least 5 students required.

## Registration for B.Tech. Honours (with or without Minor)

- **Eligibility:** Register from the 5th semester onwards if eligibility is met (Form: BP-07).
- **Application:** Apply by the notified last date (Form: BP-08).
- **Seats:** Limited to 10-20% of the total intake of the B.Tech. programme; can be increased based on resources.
- **Minimum Students:** At least 5 students required.
- **Courses:** Three compulsory courses with remaining electives decided by the department.

## Registration for B.Tech. with Research (with or without Minor)

- **Eligibility:** Register from the 5th semester onwards if eligibility is met (Form: BP-07).
- **Application:** Apply by the notified last date (Form: BP-08).
- **Seats:** Limited to 10-20% of the total intake of the B.Tech. programme; can be increased based on resources.
- **Minimum Students:** At least 5 students required.

## Duration of Classes

- **Class Hours:** 8:00 am to 6:00 pm, with the possibility of weekend/holiday classes if needed.

## Disciplinary Actions and Related Matters

- **Violations:** Can result in actions like reprimand, probation, fines, debarment, withdrawal of scholarship, and expulsion.
- **Classroom Discipline:** Instructors may debar students from classes and report to the Dean (Student Welfare) for further action.

## Various Cells:

In addition to the details mentioned in the previous sections pertaining to the matters of conduct and discipline, the students can approach the following cells for the redressal of their grievances related to various issues:

- (a) **Grievance Cell:** For the redressal of the grievances of faculty, staff and students.

(b) **SC / ST Cell:** To resolve all the affairs / problems related to the SC / ST Officers, Employees and Students of the Institute.

(c) **Equal Opportunity Cell (EOC):** To ensure equity, equal opportunity and social inclusion of the community at large.

(d) **Internal Complaint Committee:** to address the complaints related to sexual discrimination / harassment of women.

(e) **GIS cell:**

- The GIS Cell at MNNIT Allahabad, established in 2006, offers M.Tech. and Ph.D. programs in Geoinformatics. It conducts research in Global Navigation Satellite System (GNSS), Geographic Information System (GIS), Satellite Image Processing, SAR Interferometry, and LiDAR Technology. The Cell has modern laboratory facilities and faculty from various departments, offering a comprehensive course structure and supporting research in areas like Satellite Geodesy, Remote Sensing, Laser Scanning, GIS, and Sensor Integration. It plays a pivotal role in advancing Geoinformatics through applications in urban planning, environmental monitoring, disaster management, and other sectors, leveraging technologies like cloud computing, AI, machine learning, and IoT for real-time data analysis and spatial visualisation.

(f) **Hindi Cell:**

- **Establishment of Hindi Cell:** MNNIT Allahabad has established a Hindi Cell to comply with the Government of India's Rajbhasha policy.
- **Formation of Hindi Implementation Committee:** A committee has been formed to ensure compliance with the Official Languages Act, 1963, and the Official Languages Rules, 1976.
- **Committee Structure:** Chaired by the Director with the Registrar as the Secretary, the committee includes all department heads as members.
- **Quarterly Meetings:** Regular meetings are held to review progress in Hindi language implementation and plan future initiatives in line with departmental goals.

## **Unfair Means (UFM)**

### **Definition of UFM:**

- Copying from papers, electronic equipment, or materials.
- Copying from neighbouring students' answer books.
- Possession of relevant material.
- Disturbing the examination.
- Misbehaviour with the invigilator.
- Any other undesirable act.

### **UFM Committee:**

- Dean (Academic)
- Dean (Student Welfare)
- Chief Proctor
- Concerned Head of Department/Cell
- Senate Nominee

### **Procedure:**

1. **Detection:** UFM detected by course instructor/invigilators is reported to Dean (Academic), Head of Department, and course instructor (Form: BP-13).
2. **Immediate Action:** Student's answer books and materials are kept in a separate envelope. A fresh answer book and question paper are issued.
3. **Show Cause Notice:** Issued by Head of Department within one day; student's clarification obtained within two days.
4. **Examination by Instructor:** Course instructor examines UFM material and verifies its relevance.
5. **Presentation:** Course instructor presents the case to the UFM Committee.
6. **Committee Meeting:** Held soon after six days of semester exam completion. Students are given an opportunity for explanation.

#### **Punishment Recommendations:**

- **Copying:** Cancellation of that day's exam or entire session's exam.
- **Misbehaviour:** Referred to the proctorial board.
- **Copying from another student:** Cancellation of the subject exam.

#### **Post-Decision:**

- If no decision by grade entry date, grades entered as 'W'; results withheld.
- Recommendations are implemented after approval from Chairperson, Senate/Director.
- Students can appeal to the Chairperson, Senate for reconsideration.

### **# Academic issues**

#### **Grades and CGPA Calculation:**

- Grades and CGPA are calculated based on your performance in various courses. Each course is assigned a certain number of credits, and the grade points earned in those courses are multiplied by the respective credits. The CGPA is then computed by dividing the total weighted grade points by the total credits earned.
- The system of grading to be followed will be the Relative Grading System for all courses including project work. The HoD shall ensure that the course instructor/coordinator uses a normal distribution curve to award, ensuring that the majority of the students fall in the middle range of the grades. A student shall be awarded a letter grade in each course in which s/he is registered for, indicating her /his overall performance in that course. There are nine letter grades: A+, A, B+, B, C, D, F, N, and ABS. The correspondence between grades and points (on a 10-point scale) / rating is given below:

#### **Letter Grades and Grade Points**

- **A+:** 10
- **A:** 9
- **B+:** 8
- **B:** 7
- **C:** 6
- **D:** 4
- **F/N/ABS:** 0

- A student, who is not allowed to appear in the end-semester examination for any reason, such as shortage of attendance / disciplinary action / or alike, shall be awarded N grade. A student, who could not appear in the end semester Examination for reasons other than Shortage of Attendance/ Disciplinary Action/ or alike shall be awarded ABS grade.

#### **Decent CGPA:**

- 9.0 and above: Exceptional
- 8.5 to 8.9: Excellent
- 8.0 to 8.5: Very Good
- 7.5 to 8.0: Good
- 7.0 to 7.5: Average
- Below 7.0: Below average

#### **Grading Online Courses :**

The grades equivalence of the marks obtained (as stated in the marks sheet of the student) by a student in a course work through online courses / MOOCs / courses offered by other Institutions under MoU shall be adopted as given below:

#### **Equivalent grading scheme based on percentage marks obtained through MOCs (Mock or Model of Conduct):**

- A+:  $\geq 85\%$
- A: 84-75%
- B+: 74-65%
- B: 64-55%
- C: 54-45%
- D: 44-40%
- F:  $< 40\%$

#### **Semester Performance Index (SPI):**

The semester performance index (SPI) is a weighted average of the grade points earned by a student in all the courses accredited, and describes her / his academic performance in a semester. If the grade points associated with the letter grades awarded to a student are  $g_1, g_2, g_3, \dots, g_m$  in  $m$  courses and the corresponding weights (or credits of the courses) are  $w_1, w_2, \dots, w_m$ , then SPI is given by:

$$SPI = \frac{\sum_{i=1}^m w_i g_i}{\sum_{i=1}^m w_i}$$

S and X grades shall not be considered in the computation of the SPI.

#### **Cumulative Performance Index (CPI) :**

The cumulative performance index (CPI) indicates the overall academic performance of a student in all the courses registered up to and including the latest completed semester term. It shall be computed in the same manner as the SPI, considering all the courses, and is given by:

$$CPI = \frac{\sum_{i=1}^m w_i g_i}{\sum_{i=1}^m w_i}$$

Whenever a student is permitted to repeat or substitute a course, the new letter grade replaces the better of the old and new letter grades in the computation of the CPI; however, both the grades appear on her /his grade report and transcript.

To convert the CPI into % of notional marks, the CPI may be multiplied by 10.

## **Academic Performance Requirement**

### **Academic Deficiency (ACD):**

- A student categorised as Academically Deficient (ACD) if:
  - SPI and CPI are less than 4.0, or
  - Has ABS, N, F, or X grade in any registered course.

### **Minimum Performance Requirement:**

- Ideally promoted without ACD to subsequent odd semesters.
- ACD students can register for Grade Improvement Exams or back papers to clear deficiencies.
- Can re-register for courses with ABS, N, F, or X grades, meeting other requirements.

### **Degradation of Programme:**

- If ACD is not cleared within one academic year, B.Tech. with a Minor/Honours/Research program may degrade to Basic B.Tech., with relevant courses dropped.

### **Termination of Programme:**

- Unsatisfactory academic performance may lead to termination of B.Tech. Programme by the Senate.

### **Preparing for Exams:**

- Start Early
- Organise Study Material
- Understand Exam Patterns
- Engage in Active Learning

### **Excelling in Practical and Lab Sessions:**

- Preparation Before Lab Sessions
- Active Participation During Lab Sessions
- Collaboration and Communication
- Post-Lab Review

### **Essential Programming Languages:**

- C/C++ (for competitive programming)
- Python (for machine learning)
- HTML/CSS and JavaScript (for front-end web development)
- SQL (for Database Management)

### **Improving Coding Skills and Participating in Competitions:**

- Choose a Programming Language
- Learn Data Structures and Algorithms (DSA)
- Practice Regularly
- Understand Problem Solving Techniques
- Participate in Coding Competitions
- Analyse and Learn from Solutions
- Collaborate and Learn from Others
- Apply Your Skills
- Seek Feedback
- Stay Updated with Trends
- Practise Competitive Programming

#### **Resources for Mid-Sem and End-Term Exams:**

- For all first-year students at MNNIT Allahabad, you can find previous years' question papers (PYQs) for mid-semester, end-semester, and practical examinations on the website **Paper Factory**. This platform provides a comprehensive collection of PYQs to help you prepare effectively for your exams.
- Visit **Paper Factory** and select your exam type (mid-sem, end-sem, or practical) and subject to access and download the PYQs.
- Refer to link [https://paperfactorymnnit.pythonanywhere.com/paper\\_mnnit/csw\\_papers/](https://paperfactorymnnit.pythonanywhere.com/paper_mnnit/csw_papers/)

#### **Importance of Hackathons and Coding Contests:**

- Skill development: Problem-solving and coding efficiency
- Learning Opportunities: New Technologies and peer learning
- Networking
- Teamwork
- Portfolio building
- Problem-solving under pressure
- Recognition and awards
- Personal Growth
- Fun and creativity

#### **Recommended YouTube Channels for Programming and Algorithms:**

- AtoZ Striver sheet
- mycodeschool
- Neso academy
- Telusko
- Jenny's lecture CS IT

#### **Importance of Networking:**

- Mentorship
- Opportunities
- Support and guidance
- Professional growth
- Professional networking

#### **Benefits of Joining Professional Organisations and Societies:**

- **Networking Opportunities:** Connections, Mentorship, and collaborations

- **Professional Development:** Workshops, Seminars, Certifications, and Training
- **Career Advancement:** Job Opportunities, Internships, and Co-ops
- **Access to Information and Resources:** Research, Reports, Online Libraries, Journals, and Magazines
- **Recognition and Awards**
- **Leadership and Volunteering**
- **Personal Growth**

#### **Options for Pursuing Higher Studies:**

##### **At MNNIT Allahabad:**

- Master of Technology (MTech)
- Master of Business Administration (MBA)
- Master of Computer Applications (MCA)
- PhD Programs (Various engineering disciplines, Applied Sciences, Humanities, and Social Sciences)

##### **Outside MNNIT Allahabad:**

- **Master of Technology (MTech)**
  - Top Institutes in India: IITs, NITs, IIITs, BITS Pilani
  - Admission: Through GATE scores and centralised counselling (CCMT for NITs)
- **Master of Science (MS)**
  - Abroad: USA, Canada, Germany, UK, Australia
  - Entrance Exams: GRE, TOEFL, IELTS
- **Master of Business Administration (MBA)**
  - Top Institutes in India: IIMs, XLRI, FMS Delhi, SPJIMR, ISB
  - Entrance Exams: CAT, XAT, MAT, GMAT
  - Abroad: Top global business schools: Harvard, Stanford, INSEAD, London Business School
  - Entrance Exams: GMAT, GRE
- **Master of Computer Applications (MCA)**
  - Top Institutes in India: NITs, JNU, DU, University of Pune
  - Entrance Exams: NIMCET, state-level entrance exams
- **PhD Programs**
  - Top Institutes in India: IITs, IISc Bangalore, NITs, IIITs
  - Abroad: Leading universities: MIT, Stanford, UC Berkeley, Oxford, Cambridge
  - Admission: Based on GATE/NET scores in India; GRE and relevant tests abroad.
- **Interdisciplinary Programs**
  - MDes (Master of Design): IITs (through CEED), NID, NIFT
- **Integrated Programs**
  - Integrated MTech/PhD: Some institutions offer integrated programs combining MTech and PhD.

#### **Professional Certifications:**

- Short-term Courses: Data Science, Machine Learning, Cybersecurity, Cloud Computing
- Online Platforms: Coursera, edX, Udacity

#### **Additional Resources for Higher Studies:**

- **Scholarships**

- **India:** GATE scholarships, MHRD scholarships, various institutional scholarships
- **Abroad:** Fulbright, DAAD, Chevening, Commonwealth, Erasmus Mundus

#### Entrance Exam Preparation:

- **Coaching Institutes:** TIME, IMS, Career Launcher for CAT; GateForum, Made Easy for GATE; Jamboree, Manya for GRE/GMAT
- **Online Resources:** Coursera, Khan Academy, edX, official exam websites
- **TOEFL Preparation:** ETS official website, Magoosh TOEFL Prep

#### Emerging Technologies in CSE:

- **Artificial Intelligence (AI) and Machine Learning (ML)**
  - Deep Learning, Natural Language Processing (NLP)
- **Quantum Computing**
  - Quantum Algorithms, Quantum Cryptography
- **Blockchain Technology**
  - Decentralised Finance (DeFi), Smart Contracts
- **Internet of Things (IoT)**
  - Edge Computing, Industrial IoT
- **5G Technology**
  - Enhanced Connectivity, Autonomous Vehicles, Smart Cities, Augmented Reality (AR)
- **Cybersecurity**
  - Zero Trust Security, AI-Driven Security
- **Big Data and Data Analytics**
  - Predictive Analytics, Real-Time Data Processing
- **Cloud Computing**
  - Serverless Architecture, Multi-Cloud Strategies
- **Robotics and Automation**
  - Collaborative Robots (Cobots), Autonomous Systems
- **Edge AI**
  - On-Device AI Processing
- **Natural User Interfaces (NUI)**
  - Voice Assistants, Gesture Recognition
- **DevOps and Continuous Delivery**
  - CI/CD Pipelines, Infrastructure as Code (IaC)

#### Workshops for Improving Technical Skills

- MNNIT organises workshops and seminars throughout the year to enhance technical skills
- Information about upcoming workshops is usually posted on notice boards and departmental websites

Here are some of the popular and major workshops:

1. **SPARC Workshop on Blockchain Technology**
  - Organised by SMS, MNNIT Allahabad and IIT Delhi
  - Dates: July 09-13, 2024
2. **Workshop on Microfabrication for Biomedical Applications**
  - Organised by Dept. of Electronics and Communication Engineering, MNNIT Allahabad
  - Dates: June 4-5, 2024
3. **National Workshop on Cryptology: Lattice Based Cryptography (NIWC 2024)**



- Dates: July 01-05, 2024
- 4. **High-End Workshop on Machine Learning and Deep Learning**
  - Organised by Dept. of CSE, MNNIT Allahabad
  - Dates: March 15-22, 2024
- 5. **SPARC Workshop on Social Innovations for Sustainability**
  - Dates: March 19-31, 2024
- 6. **SPARC Workshop on Vehicle Aerodynamics**
  - Organised by Dept. of Applied Mechanics, MNNIT Allahabad
  - Dates: January 11-25, 2024

These workshops cover cutting-edge topics in technology, biomedicine, cryptography, machine learning, sustainability, and aerodynamics, reflecting the diverse research interests at MNNIT Allahabad.

**For detailed information of workshop you can visit**

<http://www.mnnit.ac.in/index.php/institute/466-workshop>

### **Legacy has MNNIT Allahabad built in terms of innovation and research**

Design Innovation Centre (DIC) is a joint project of the Indian Institute of Technology – IIT (BHU) and Banaras Hindu University (BHU) funded by the Department of Higher Education, Ministry of Human Resource Development, Government of India. It works on HUB and Spoke model and following institutions are involved:

- Motilal Nehru National Institute of Technology Allahabad (Spoke)
- Indian Institute of Technology -(HUB)
- Banaras Hindu University (HUB)
- Indian Institute of Information Technology, Allahabad (Spoke)
- University of Allahabad- (SPOKE.)

#### **KEY AREAS:**

The project entitled, "Design and Innovation Centre (DIC)" at CMDR Allahabad promotes novel research and initiatives on design and innovation. The focus of the project is to support innovations that have a strong impact both locally and globally. The project fosters a multidisciplinary approach and supports ideas of an innovative nature and offers students and researchers with an innovative proposal. Various projects under DIC range from digital solutions for health and well-being, user-friendly methods for health counselling, health impacts of environmental issues, development of software for any health related aspects and biomedical interventions. In addition, some other aspects are also being undertaken.

#### **Elective for 2nd Semester:**

Select based on your interest and future career goals, consult with academic advisors and peers for recommendations.

### **Academic Calendar**

The Academic Calendar specifies the dates for key events such as:

- **Registration and Orientation:** Includes late registration and commencement of classes.
- **Attendance:** Declaration of the list of registered students and monitoring of attendance.
- **Examinations:** Dates for mid-semester and end-semester exams, and submission of grades.
- **Breaks:** Vacation and mid-semester break.

- **Student Activities:** Official student activities during the academic session.

#### **Approval and Notification:**

- Notified by the Dean (Academic) after Senate approval.
- Any modifications due to emergencies must be proposed by the Dean (Academic), approved by the Chairperson, Senate, and reported to the Senate for ratification.

#### **Evaluation criteria for lab assignments typically include:**

- Correctness of implementation
- Adherence to specifications
- Documentation quality
- Demonstration of additional creativity or optimization

#### **Best Practices for Writing Project Reports**

- **Best practices for project reports at MNNIT include:**
  - Following a structured format: abstract, introduction, methodology, results, discussion, conclusion.
  - Citing sources properly.
  - Using clear and concise language.
  - Adhering to any specific formatting guidelines provided by the department.

#### **Late Submission of Assignments:**

- Assignments are generally expected to be submitted by the specified deadline.
- Late submissions may incur penalties, such as a deduction of marks or a graded penalty, depending on the course and instructor's discretion.

#### **Tutoring Services for Difficult Subjects**

- **MNNIT does not offer specific tutoring services, but:**
  - Tutorial classes are provided for Mathematics, Physics, and Chemistry.
  - These classes are similar to regular classes and are available for everyone.
  - Additionally, there are special classes for PWD (Persons with Disabilities) students.

#### **Faculty Office Hours**

- Faculty office hours at MNNIT are generally from 9 AM to 6 PM.
- For specific times, it is best to contact the faculty member directly or check the department website.

#### **Extracurricular Activities to Enhance Resume:**

- Technical Clubs and Societies
- Hackathons and Competitions
- Open Source Projects
- Professional Organizations
- Research Projects
- Internships and Part-Time Jobs
- Entrepreneurial Activities
- Volunteering and Community Service

- Leadership Roles
- Creative Pursuits: Blogging, Content Creation, Design Projects

### Policy for Missed Exams Due to illness at MNNIT:

#### Mid-Semester Exams:

- **Makeup Exams:** If you miss a mid-semester exam due to illness, you are eligible to take a makeup exam.
- **Scheduled Timeline:** Makeup exams are scheduled within a specific timeline but must be completed before the end-semester exams.
- **Procedure:** To be eligible for a makeup exam, you must provide a valid medical certificate and inform your instructor or department head as soon as possible.

#### End-Semester Exams:

- **Supplementary Exams:** If you miss an end-semester exam due to illness, you will need to take a supplementary exam
- **Fees:** There is a fee associated with taking supplementary exams, which must be paid by the student.

#### Fee structure for various programs:

- **B.Tech**
  - **Fees:** ₹1.68 Lakhs (1st Year Fees)
  - **Eligibility:** 10+2 with 75% + JEE Main
  - **Application Date:** 10 June - 31 July 2024
- **MBA**
  - **Fees:** ₹91,000 (1st Year Fees)
  - **Eligibility:** Graduation with 50% + CAT
  - **Application Date:** 8 Feb - 11 June 2024
- **M.Tech**
  - **Fees:** ₹1.4 Lakhs (Total Fees)
  - **Eligibility:** Pass in Graduation + GATE
  - **Application Date:** 24 May - 26 June 2024
- **Ph.D**
  - **Fees:** ₹2.38 Lakhs (Total Fees)
  - **Eligibility:** Post Graduation
  - **Application Date:** 11 Mar - 12 May 2024
- **M.Sc**
  - **Fees:** ₹63,000 (1st Year Fees)
  - **Eligibility:** Graduation with 55% + IIT JAM
  - **Application Date:** 24 May - 08 June 2024
- **MCA**
  - **Fees:** ₹1.13 Lakhs (1st Year Fees)
  - **Eligibility:** Graduation with 60% + NIMCET
  - **Application Date:** 6 Mar - 24 Apr 2024

**Note:** The fees mentioned above are tuition fees only. Mess and hostel fees can vary from hostel to hostel. For more information visit

<https://collegedunia.com/university/25961-mnnit-allahabad-motilal-nehru-national-institute-of-technology-mnnit-allahabad/courses-fees>

## **Scholarships and Financial Aid:**

### **U.P. Post Matric Scholarship of U.P Government**

- **Description:** Refer to the guidelines provided on the scholarship and fee reimbursement online system at [scholarship.up.nic.in](http://scholarship.up.nic.in).
- **Agency:** U.P Government

### **Merit-Cum-Means scholarship for B.Tech students of the institute**

- **Description:** This scholarship provides Rs. 3000 per student to the top 10% students of the total sanctioned seats based on their CPI (Cumulative Performance Index) across 2nd, 3rd, and 4th years, or their J.E.E. (Mains) rank in the 1st year.
- **Agency:** MNNIT Allahabad

### **Scholarships available on National Scholarship Portal ([Scholarship.gov.in](http://Scholarship.gov.in))**

- **Description:** Various scholarships under Central Schemes, UGC Schemes, AICTE Schemes, and State Schemes are available for SC/ST, Minorities, PwD, and other students. Refer to the guidelines provided on the portal for details.
- **Agencies:** Central Schemes, UGC, AICTE, State Governments

### **Scholarship provided by other states**

- **Description:** Post Matric scholarships are provided to students of specific states. Additional allowances beyond tuition fees are granted based on respective state government rules. Refer to guidelines issued by different state governments for eligibility criteria.
- **Agencies:** Different State Governments

### **Scholarship provided by Employers of parent of the student**

- **Description:** Scholarships are offered by employers where the parents of the student work. Eligibility and terms are based on employer-specific policies.
- **Agencies:** Employers of the parents

### **Scholarship provided by different companies**

- **Description:** Some companies and institutions offer scholarships to students. Information about these opportunities is communicated through the Office of Dean and Student Notice Boards. Scholarship amounts vary based on company/institutional terms and conditions.
- **Agencies:** Different companies/Institutions

### **Aid to financially weaker students of the Institute**

- **Description:** Students with family incomes below Rs. 1 lakh who do not qualify for other scholarships can apply for aid from the Institute's Student Welfare Fund. Each year, Rs. 10 lakh is allocated to be distributed among eligible students based on CPI and number of applicants.
- **Agency:** MNNIT Allahabad

### **OPJEMS Scholarship**

- **Description:** This scholarship awards Rs. 80,000 per student following an online test and personal interview conducted by O.P Jindal Engineering and Management Scholarship.
- **Agency:** O.P Jindal Engineering and Management Scholarship

#### Stipend to stipendiary M.Tech Students

- **Description:** M.Tech students receive a stipend of Rs. 12,400 per month from the Government. Students who do not receive this stipend can apply for other scholarships as per the regulations of MHRD.
- **Agency:** MHRD

#### Stipend to stipendiary Ph.D. Students

- **Description:** Ph.D. students receive a scholarship of Rs. 25,000 per month for the first 2 years, which increases to Rs. 28,000 per month after a satisfactory review. This scholarship is applicable for a total of 5 years.
- **Agency:** MHRD

Please refer to the Student Welfare Portal in the Students section on the official MNNIT website ([www.mnnit.ac.in](http://www.mnnit.ac.in)) for comprehensive information and resources related to student support and services.

#### To apply for a student loan at MNNIT Allahabad, you typically need to follow these steps:

1. **Research Loan Providers:** Identify banks or financial institutions that offer student loans. Many nationalised banks and private banks provide educational loans.
2. **Check Eligibility:** Ensure you meet the eligibility criteria set by the loan provider. This often includes details such as academic performance, course duration, and sometimes collateral requirements.
3. **Gather Required Documents:** Prepare documents such as:
  - Admission letter from MNNIT Allahabad
  - Fee structure of the course
  - Proof of identity and residence
  - Income proof of parents/guardians
  - Academic records (transcripts, certificates)
4. **Apply Online or Visit the Bank:** You can either apply online through the bank's website or visit the nearest branch. Fill out the loan application form and submit the required documents.
5. **Loan Processing:** The bank will evaluate your application, documents, and eligibility criteria. This may involve a verification process and assessment of your repayment capacity.
6. **Approval and Disbursement:** Upon approval, the loan amount will be disbursed directly to MNNIT Allahabad to cover your tuition fees and other approved expenses.
7. **Repayment:** After completing your education, you will typically start repaying the loan in EMIs (Equated Monthly Instalments). Some banks offer a moratorium period where you don't need to start repayment immediately after graduation.

It's advisable to check with the specific bank or financial institution for their detailed process and any specific requirements they may have for student loans.

For detailed information visit <http://www.mnnit.ac.in/index.php/facilities/179-loan>

#### Best Practices for Conducting and Presenting Research:

- **Develop a Research Idea**
  - Identify a relevant topic and conduct a literature review.
- **Reach Out to a Professor**

- Express interest and explain your research idea.
- **Frame Your Research Proposal**
  - Articulate research questions and objectives, provide an overview of existing literature, and outline methodology.
- **Seek Guidance and Collaboration**
  - Discuss the research idea in detail and be open to feedback.
- **Conducting Research**
  - Follow ethical guidelines, collect and analyse data systematically, document findings.
- **Presenting Research**
  - Prepare a well-structured paper or presentation, use clear language, support conclusions with evidence, practise presentation skills.
- **Seek Opportunities for Publication and Presentation**
  - Submit research to journals, conferences, or seminars.

#### **HODs of all Departments (2024):**

**Applied Mechanics:** Prof. Abhishek Kumar

**Biotechnology:** Dr. Sangeeta Negi

**Chemical Engineering:** Prof. Sadhana Sachan

**Chemistry:** Prof. Ashutosh Pandey

**Civil Engineering:** Prof. Raj Mohan Singh

**Computer Science & Engineering:** Prof. D.K. Yadav

**Electrical Engineering:** Prof. Richa Negi

**Electronics & Communication Engineering:** Prof. R.A. Mishra

**Humanities & Social Sciences:** Prof. Jyotsna Sinha

**Mathematics:** Prof. Pitam Singh

**Mechanical Engineering:** Prof. Mukul Shukla

**Physics:** Prof. S. N. Pandey

**School of Management Studies:** Prof. Tanuj Nandan

<http://www.mnnit.ac.in/index.php/institute/administration/hod>

#### **How Can I Get My ID Card Replaced if It's Lost :**

It is mandatory to submit the following documents to get the Identity card renewal:

- Deposit fee receipt of Rs. 25 from the office of Deputy Registrar (Accounts).
- Application form to the Chief Proctor, forwarded by the Head of Department.
- If the original copy of the Identity card is not available, the original copy of the police FIR is required and in case the original ID card of the student is broken, then submit the original ID card of the student.
- Photocopy of the student's profile, which is uploaded on the academic portal.
- After the signature of the Chief Proctor, the student should submit his/her own form to the Central Library office.
- Photocopy of the registration slip.

#### **What should I do if I lose my ID card one day before an exam at MNNIT?**

If you lose your ID card one day before an exam at MNNIT, here are the steps you can take:

1. **Use Your Aadhar Card as Identity:**
  - Bring your Aadhar card as a valid form of identification for the exam. It is widely accepted and can be used as an alternative proof of identity.
2. **Report the Loss Immediately:**

- Go to the administration office or the office of your department and inform them about the lost ID card.
- File a report if required.
- 3. Request a Temporary ID:**
  - Ask for a temporary ID card or a proof of identity document that you can use for the exam.
  - Provide any necessary documentation or information to expedite the process.
- 4. Contact Your Exam Supervisor:**
  - Inform your exam supervisor or the faculty in charge of your situation.
  - Show them any proof of identity you have, like a copy of your ID card, a letter from the administration, or any other valid document.
- 5. Carry Alternate Identification:**
  - Besides your Aadhar card, bring any other form of identification you have, such as a driver's licence, passport, or any government-issued ID.

**If I need to go to the library, how can I enter without an ID card?**

- **Use an Alternate ID:** Bring another form of identification, such as your Aadhar card, driver's licence, or any other government-issued ID.
- **Request a Temporary Pass:** Go to the library reception or the administration office and explain your situation. Request a temporary pass or permission to enter the library without your ID card.
- **Carry Proof of Identity:** If you have a digital copy or any other proof of your ID card, show it to the library staff as proof of your identity.
- **Contact Your Department:** If necessary, get a letter or email from your department confirming your identity and your need to access the library.

**Attendance Requirements at MNNIT Allahabad:**

- The minimum attendance requirement at MNNIT Allahabad is typically 75% for all courses. Falling below this threshold may result in being debarred from the end-semester exams.
- Attendance is usually calculated on a per-course basis, with each course maintaining its own attendance record. The percentage is based on the number of classes attended out of the total conducted.
- If you fall short of the 75% attendance requirement, you might not be allowed to sit for the end-semester examinations for that course and may have to repeat the course.
- Exceptions or leniency for medical or personal emergencies are considered. Valid documentation, such as medical certificates, should be submitted to the academic office and professors as soon as possible.
- Some professors might offer extra classes or assignments to help students make up for lost attendance. It's best to check with the specific course instructor.
- Attendance records are often available on the college's online portal or through direct communication with professors. Regularly check your attendance status.
- There usually is a specified time frame within which medical certificates or documentation must be submitted. Submitting them as soon as possible is recommended.
- For long-term illness or the need for a leave of absence, inform the academic office and your course instructors promptly. Provide necessary medical documents and discuss possible special accommodations.

- Participation in official college sports and extracurricular activities may be considered for attendance relaxation. Obtain a formal letter or certificate from the organising committee and submit it to the academic office.
- Attending another section's class to make up for missed classes depends on the professor's policy and the course structure. Seek permission first.

### **Medical Leave:**

- Eligibility: Granted under serious/exceptional medical conditions, accidents, etc.
  - Must be endorsed by the institute medical officer, Govt. hospitals, or specialised hospitals.
  - Recommended by DUGC and approved by the Head of the Department.
- Duration: Maximum of 15 days per semester (cumulative).
- Extraordinary Situations: Decided case-by-case by DUGC.
- Longer Leave: Requires Semester Leave/Semester Drop with DUGC and SUGC approval. May allow for Grade Improvement Examination(s) or Summer Semester.

### **Semester Leave:**

- Eligibility: For bonafide reasons and/or exceptional circumstances.
  - Requires prior approval of the Dean (Academic) on SUGC recommendations.
- Duration: Cannot exceed two semesters during the entire academic program.
- Application: Submit Form BP-12 prior to or during the semester.
  - Processed through DUGC.
- Registration: Students register with zero credit during the leave.
  - No refund of registration fee for registered students.
- Credit Transfer: Possible if joining other institutions/organisations under MoU.

### **Study Leave:**

- Eligibility: For pursuing approved academic activities in other institutions/organisations.
- Duration: Maximum of 15 days per semester.
- Application: Submit to the Head of the Department.
  - Approved by the Head on DUGC recommendation.

### **Extra-curricular Activity Leave:**

- Eligibility: For pursuing approved extra-curricular activities in other institutions/organisations.
- Duration: Maximum of 15 days per semester (under normal conditions).
- Approval: Recommended by the President of the Student Activity Centre (SAC).
  - Approved by the Chairperson, SUGC, and reported to the Department for consideration.

### **Supplementary Exams at MNNIT Allahabad:**

- Supplementary exams are additional exams offered to students who fail to pass their regular end-semester exams, providing an opportunity to improve grades or pass the course.
- Students who fail one or more courses in their end-semester exams may be eligible for supplementary exams, subject to the institute's specific rules and regulations.
- Supplementary exams are usually conducted after the regular end-semester exams and before the start of the next semester. The exact dates are announced by the academic office.



- To apply for supplementary exams, fill out a supplementary exam application form available from the academic office or the college's online portal. Submit the form within the specified deadline along with any required fees.
- The fee for supplementary exams is Rs. 1500. Whether you have one supplementary exam or three, the fee is fixed and does not decrease.
- You can take only 3 supplementary exams in a year.
- Grades for supplementary exams are calculated in the same way as for end-semester exams. If you pass, the new grade will replace the original failing grade in your academic record. The transcript may indicate that the course was passed via a supplementary exam.
- If you fail the supplementary exam, you may have to repeat the course in the next academic session or as per the institute's guidelines. Continuous failure may affect your academic progression.
- Supplementary exams are designed to assess the same knowledge and skills as regular exams, with the difficulty level intended to be comparable or lower to regular end-semester exams.
- Generally, reviewing your supplementary exam paper if dissatisfied with your grade is not allowed because the final result is declared a few days after the supplementary exam. However, you can talk to your professors if you want to review your paper.
- Supplementary exams are available for practical courses as well.
- There are no preparation classes available for supplementary exams.
- Stay updated about supplementary exam schedules and notifications by keeping an eye on official communications from the academic office, checking the college's online portal regularly, and staying in touch with your course instructors.
- You can give a supplementary exam for improvement with the same fee structure of Rs. 1500.

#### **Research Opportunities:**

- Various research projects and opportunities are available across different departments.
- Students can participate in ongoing faculty research or propose independent research projects.

#### **Funding and Grants for research :**

- Several funding options are available, including institute-funded projects and external grants.
- Students can apply for scholarships and fellowships to support their research.

#### **University Exchange Programs:**

- **Exchange Programs:** Partnerships with several national and international universities.
- **Application Process:** Typically involves submitting an application, obtaining recommendations, and fulfilling specific criteria set by the host institution.
- **Duration and Credits:** Exchange programs can last a semester or a year, with credits transferred back to MNNIT Allahabad.

#### **MOUs - International Universities/Institutes with MNNIT Allahabad**

1. **Florida Atlantic University Board of Trustees**
  - Effective Date & Validity: 15.11.2022 (5 years)
  - Area of Collaboration: Joint degree programs, exchange of faculty and students, joint research projects, technical meetings, workshops, seminars
2. **Universiti Sains Malaysia**
  - Effective Date & Validity: 11.06.2021 (5 years)

- Area of Collaboration: Joint academic programs, R&D, Ph.D. supervision, workshops, training programs, publications, linkages, and cooperation

#### **MOUs - Indian Organizations/Institutes with MNNIT Allahabad**

- 1. India Meteorological Department (IMD), New Delhi**
  - Effective Date & Validity: 09.05.2024 (5 years)
  - Area of Collaboration: Education, research, outreach, product innovation, technology commercialization, IP and product development
- 2. KIET Group of Institution, Delhi-NCR, Ghaziabad**
  - Effective Date & Validity: 06.12.2023 (3 years)
  - Area of Collaboration: Financial arrangements, SI traceability, collaborative projects
- 3. Malaviya National Institute of Technology Jaipur**
  - Effective Date & Validity: 12.06.2023 (3 years)
  - Area of Collaboration: Academic and scientific research linkages
- 4. Rajkiya Engineering College Sonbhadra**
  - Effective Date & Validity: 27.05.2023 (5 years)
  - Area of Collaboration: Academic collaboration, quality education, research activities, workshops, conferences, seminars, FDPs
- 5. National Institute of Technology Goa**
  - Effective Date & Validity: 26.05.2023 (2 years)
  - Area of Collaboration: Direct contact and cooperation between departments, faculty, and administrative staff
- 6. All India Council for Technical Education, New Delhi**
  - Effective Date & Validity: 26.05.2023 (3 years)
  - Area of Collaboration: Skill enhancement through internships and research scholarships
- 7. National Skill Development Corporation**
  - Effective Date & Validity: 06.03.2023 (1 year)
  - Area of Collaboration: Skill and entrepreneurship development
- 8. Indian Institute of Technology Delhi**
  - Effective Date & Validity: 02.01.2023 (1 year)
  - Area of Collaboration: Exchange of teaching and learning materials, joint seminars, conferences, workshops, training programs
- 9. Rajkiya Engineering College, Ambedkar Nagar**
  - Effective Date & Validity: 17.10.2022 (5 years)
  - Area of Collaboration: Academic interests, quality education, research activities
- 10. Central Institute of Higher Tibetan Studies, Sarnath**
  - Effective Date & Validity: 08.10.2022 (3 years)
  - Area of Collaboration: Teaching, training, research activities collaboration
- 11. Indian Institute of Technology Kanpur**
  - Effective Date & Validity: 19.08.2022 (3 years)
  - Area of Collaboration: Research and development activities, training programs, fellowships, resources courses in Geodesy
- 12. Dr. A.P.J. Abdul Kalam Technical University (AKTU)**
  - Effective Date & Validity: 25.07.2022 (5 years)
  - Area of Collaboration: Academic and research collaboration, exchanges of startups, students, and faculty
- 13. Emami Limited Kolkata**
  - Effective Date & Validity: 06.07.2022 (3 years)
  - Area of Collaboration: Research in strength and stamina, inflammation, pain management, immunity, microbiology, molecular biology, genetics

14. **Micro, Small and Medium Enterprises (MSME)**
  - Effective Date & Validity: 23.06.2022 to 31.03.2026
  - Area of Collaboration: Process design and development, product design and development, value engineering
15. **Centre for Development of Advanced Computing (CDAC)**
  - Effective Date & Validity: 10.06.2022 (18 months)
  - Area of Collaboration: Solar PV supported reconfigurable EV charger project
16. **Nivetti Systems Private Limited, Bangalore**
  - Effective Date & Validity: 30.05.2022 (3 years)
  - Area of Collaboration: Emerging networking technologies, research in secure networking, SDN, AI, machine learning applications in cybersecurity
17. **National Remote Sensing Centre (NRSC), ISRO Hyderabad**
  - Effective Date & Validity: 27.04.2022 (5 years)
  - Area of Collaboration: LDS network expansion, data collection and maintenance, data dissemination for scientific use
18. **Nasscom Foundation New Delhi**
  - Effective Date & Validity: 01.04.2022 (11 months)
  - Area of Collaboration: Skill and entrepreneurship development
19. **IIIT Allahabad**
  - Effective Date & Validity: 09.03.2021 (5 years)
  - Area of Collaboration: Collaborative research projects, publications, technical meetings, workshops, seminars, FDPs
20. **Indian Institute of Technology (BHU)**
  - Effective Date & Validity: 28.06.2021 (5 years)
  - Area of Collaboration: Scientific and technical information exchange, research group formation, supervision of PG and Ph.D. students, seminars
21. **Rajiv Gandhi Institute of Petroleum Technology**
  - Effective Date & Validity: 17.03.2021 (5 years)
  - Area of Collaboration: Scientific and technical information sharing, collaborative research activities

#### **MOUs - Industries with MNNIT Allahabad**

1. **Meja Urja Nigam (Pvt.) Limited (MUNPL)**
  - Effective Date & Validity: 01.10.2021 (3 years)
  - Area of Collaboration: Joint thesis/research projects, power plant IT system upgrades, data analytics, AI, machine learning, robotics, course development
2. **Prayagraj Power Generation Company Ltd. (PPGCL)**
  - Effective Date & Validity: 03.12.2021 (3 years)
  - Area of Collaboration: Joint research projects, IT system upgrades, data analytics, AI, machine learning, robotics, technical support, vocational training
3. **Indian Telephone Industries Limited (ITI Ltd.)**
  - Effective Date & Validity: 12.11.2021 (5 years)
  - Area of Collaboration: Joint research projects, technical meetings, workshops, conferences, seminars, FDPs, training programs

#### **List of Technology Transfer with MNNIT Allahabad**

1. **Garg Telecom Corporation, Prayagraj**
  - Effective Date & Validity: 12.05.2020 (5 years)
  - Area of Collaboration: Technology Transfer
2. **Caremont LLP, Bangalore**

- Effective Date & Validity: 09.09.2020 (5 years)
- Area of Collaboration: Technology Transfer
- 3. **Allengers Medical System Ltd. (AMSL)**
  - Effective Date & Validity: 13.10.2020 (2 years)
  - Area of Collaboration: Technology Transfer
- 4. **Wyton Pharmaceuticals & Agrotech Pvt. Ltd.**
  - Effective Date & Validity: 25.11.2021 (5 years)
  - Area of Collaboration: Technology Transfer
- 5. **NCC Group Headquarters, Prayagraj**
  - Effective Date & Validity: 27.07.2023 (2 years)
  - Area of Collaboration: Technology Transfer

For more info refer to <http://www.mnnit.ac.in/index.php/institute/452-mous>

#### **Specialisations Available in Different Branches:**

- **Computer Science and Engineering:** Specializations in Artificial Intelligence, Data Science, Cybersecurity, etc.
- **Electronics and Communication Engineering:** Specializations in VLSI Design, Communication Systems, Signal Processing, etc.
- **Mechanical Engineering:** Specializations in Thermal Engineering, Design Engineering, Manufacturing Engineering, etc.
- **Civil Engineering:** Specializations in Structural Engineering, Environmental Engineering, Transportation Engineering, etc.

#### **Key Research Areas Developed at MNNIT Allahabad:**

- **Computer Science and Engineering:** Research in Artificial Intelligence, Machine Learning, Data Analytics, and Internet of Things (IoT).
- **Electronics and Communication Engineering:** Research in Wireless Communications, VLSI Design, and Embedded Systems.
- **Mechanical Engineering:** Research in Renewable Energy, Robotics, and Advanced Manufacturing Techniques.
- **Civil Engineering:** Research in Sustainable Construction, Smart Cities, and Disaster Management.

#### **Admission of Foreign Candidates at MNNIT under the DASA Scheme:**

- Motilal Nehru National Institute of Technology (MNNIT) Allahabad, recognized as an Institute of National Importance, welcomes foreign nationals, Persons of Indian Origin (PIO), Non-Resident Indians (NRI), and Overseas Citizens of India (OCI) for admission into its undergraduate programs through the Direct Admission of Students Abroad (DASA) scheme. This initiative, overseen by the Ministry of Education (MoE), Government of India, has been in place since the academic session 2001-02, facilitating international students to join premier technical institutions across India. For the academic year 2022-23, NIT Warangal (NITW) has been appointed to coordinate the admission process. Prospective students under the DASA scheme benefit from the diverse and dynamic ecosystem of MNNIT, gaining access to world-class education in engineering, technology, and architecture. This institution's strong emphasis on innovative teaching and research practices ensures that graduates are well-prepared to tackle real-world challenges and secure prestigious career opportunities globally.

#### **Ragging Policy and Prevention at MNNIT Allahabad**

## Zero Tolerance Against Ragging

MNNIT has a strict zero-tolerance policy against ragging. Students are strongly advised not to indulge in any activity that constitutes ragging. The message to students is clear: "Don't rag and also don't allow others to rag." MNNIT is a ragging-free campus with high security, ensuring the safety of new students. Security guards are stationed every 100-150 metres within the campus.

## Reporting and Handling Ragging Incidents

1. **Immediate Response:** If you experience or witness ragging, stay calm and leave the scene.
2. **Reporting the Incident:** Inform authorities immediately using helpline numbers or file a written complaint with the Dean of Student Affairs or the Anti-Ragging Committee.
3. **Seeking Support:** Talk to seniors or mentors, and utilise the university's counselling services if you feel distressed or traumatised.
4. **University Protocol:** Familiarise yourself with MNNIT's anti-ragging policy and procedures, and cooperate fully with any investigations.
5. **Legal Action:** For severe incidents involving physical assault, sexual harassment, or other criminal acts, you have the right to file a police complaint. The Anti-Ragging Act and the Indian Penal Code provide provisions for legal action against perpetrators.

## Support Services

- **Helplines and Support Services:** The anti-ragging committee and senior students are available for support regarding ragging-related issues.
- **Counselling Services:** The Institute offers counselling services to support students dealing with academic stress, exams, personal problems, or ragging-related trauma.

## Consequences for Engaging in Ragging

- **Black Dot:** Serious infractions, including ragging, can result in a "black dot," a disciplinary mark with severe consequences such as academic penalties, extracurricular restrictions, loss of hostel privileges, and restrictions on campus placement opportunities. This disciplinary mark is recorded in the student's file.
- **Legal Consequences:** For severe incidents, students may face legal action under the Anti-Ragging Act and the Indian Penal Code.

## Ensuring Safety

- **Probation Period:** A "1-month probation period" may be implemented, prohibiting senior-junior interaction except for essential activities.
- **Anti-Ragging Policies:** Strict enforcement of anti-ragging policies ensures the safety of new students in college.

## Student Rights and Protections

Students subjected to ragging have several rights, including:

- Right to Safety
- Right to Report
- Right to Anonymity
- Right to Support

- Right to Fair Investigation
- Right to Protection

Support Systems: Include the Anti-Ragging Committee, faculty and staff, seniors and mentors, counselling services, and the Student Welfare Office. Legal Provisions: Include the Ragging Prohibition Act and the National Anti-Ragging Helpline (1800-180-5522) or email (helpline@antiragging.in). Complaints can also be filed online at the UGC Anti-Ragging Portal.

### **Handling False Accusations of Ragging**

- 1. Investigation Process:**
  - Initial Inquiry: The anti-ragging committee conducts an initial inquiry to gather basic facts and determine the credibility of the complaint.
  - Evidence Collection: The committee collects evidence, including witness statements and any other relevant documentation.
  - Fair Hearing: Both the accuser and the accused are given an opportunity to present their sides of the story.
- 2. Outcomes:**
  - If the Accusation is True: Appropriate disciplinary actions are taken against the perpetrators.
  - If the Accusation is False: Steps are taken to address the false claim, including disciplinary action against the accuser and clearing the accused's record.
- 3. Ensuring Fairness:**
  - Confidentiality: The investigation process maintains confidentiality to protect the identities and reputations of both the accuser and the accused.
  - Due Process: The institution ensures due process is followed, giving both parties a fair chance to present their case.
  - Appeal Mechanism: Both the accuser and the accused have the right to appeal the decision if they believe the investigation was flawed or the outcome was unjust.

### **Track Record of Ragging Incidents**

Until 2002, MNNIT had a poor track record regarding ragging, with severe incidents, including deaths. However, significant changes were implemented in August 2002, leading to a drastic reduction in ragging incidents. Vigilance increased, and the concept of black dots was introduced, effectively curbing ragging. By 2005 and 2006, ragging incidents had almost entirely ceased.

### **Differentiating Friendly Interactions and Ragging**

- **Friendly Interactions:**
  - Respectful Tone
  - Voluntary Participation
  - Mutual Enjoyment
  - Supportive Environment
  - No Intimidation
- **Ragging:**
  - Humiliation and Harassment
  - Forced Participation
  - Fear and Intimidation
  - Physical or Mental Harm
  - Power Imbalance

## **Student Mentorship Programme (SMP)**

### **Purpose**

To help new students transition smoothly into college life and academic culture.

### **Structure**

Includes mentorship groups, regular interactions, and orientation workshops.

### **Activities**

- **Academic Guidance:** Course selection, study tips, time management, and exam preparation.
- **Social Integration:** Organise social events, outings, and team-building activities.
- **Career Counselling:** Information and guidance on career options, internships, and future academic pursuits.
- **Personal Development:** Sessions on personality development, communication skills, and leadership qualities.

### **Implementation**

- **Selection of Mentors:** Senior students with good academic standing and leadership qualities are selected as mentors.
- **Training for Mentors:** Mentors undergo training to understand their roles and responsibilities and to develop mentoring skills.
- **Feedback and Evaluation:** Regular feedback is taken from both mentors and mentees to evaluate the effectiveness of the programme and make necessary improvements.

MNNIT Allahabad ensures a safe and supportive environment for all students, with comprehensive measures in place to prevent and address ragging.

## **Women's Grievance Cell (WGC) at MNNIT Allahabad**

The Women's Grievance Cell (WGC) at MNNIT Allahabad is established in accordance with the Government of India's guidelines to address complaints related to sexual discrimination and harassment of women within the institute.

### **Categories for Approaching the WGC for Support**

- **Female Students:** Facing harassment or discrimination
- **Male Students:** Witnessing or aware of harassment against females
- **Female Faculty and Staff:** Facing harassment or discrimination
- **Male Faculty and Staff:** Witnessing or aware of harassment against females
- **Parents and Guardians:** Concerned about their daughter's well-being
- **Visitors and Guests:** Experiencing harassment or discrimination

### **Approach the WGC Directly or Through Representatives for Support Including**

- Reporting incidents of harassment or discrimination
- Seeking advice and guidance on handling such situations
- Requesting mediation or intervention
- Accessing counselling services

- Getting information on policies and procedures
- Receiving support in taking necessary actions or filing complaints

### **Types of Issues and Grievances Addressed by the WGC**

- Harassment
- Discrimination
- Other gender-related grievances

### **Contact Information**

- **Telephone:** +91-0532-2271406, +91-0532-2271004
- **Email:** shubhi@mnnit.ac.in
- **Website:** Women Cell page on the official MNNIT website

If you do not want to directly contact the women's cell, you can seek support from your seniors.

### **WGC Office Location**

Check the MNNIT campus map for the exact location of the WGC office.

### **WGC Members and Appointment**

The Internal Complaints Committee (ICC) handles grievances of complaints against any kind of sexual discrimination/harassment in the institute. Members typically include faculty members, staff, and student representatives appointed based on their interest and commitment to addressing gender-related issues and promoting gender equality on campus.

### **Response Time for Complaints**

The response time may vary depending on the nature and complexity of the issue. However, the WGC typically aims to respond and initiate action promptly after receiving a complaint.

### **Support and Assistance Provided by the WGC**

- Counselling
- Guidance
- Investigation of complaints
- Awareness programs
- Legal assistance if needed

### **Confidentiality of Identity**

Your identity will typically be kept confidential when you file a complaint with the WGC.

### **Withdrawal of Complaints**

You can withdraw a complaint filed with the WGC under circumstances such as change of mind, resolution of the issue, no further action required, or misunderstanding. Inform the WGC of your decision to withdraw the complaint.



### **Possible Outcomes After Investigation**

- No Action Required
- Counselling or Mediation
- Disciplinary Action
- Policy Recommendations
- Support Services

### **Handling of Cyberbullying or Online Harassment**

The WGC handles cases of cyberbullying or online harassment, especially if it involves students, faculty, or staff members of the institution.

### **Awareness Programs and Workshops**

The WGC conducts awareness programs and workshops on campus aimed at educating the college community about gender sensitization, preventing harassment and discrimination, promoting gender equality, and creating a safer and more inclusive campus environment.

### **Participation and Volunteering for WGC Activities**

To participate in or volunteer for WGC activities, you can:

- Contact the WGC directly
- Attend events organised by the WGC
- Join student groups collaborating with the WGC
- Stay informed about announcements and opportunities
- Connect with the WGC coordinator

### **External Resources or Legal Aid**

The WGC can refer you to external legal aid, counselling services, helplines, and non-governmental organisations (NGOs) that provide support and assistance for cases of harassment or discrimination.

The Women's Grievance Cell (WGC) at MNNIT Allahabad is a vital resource for addressing and resolving issues related to sexual discrimination and harassment, ensuring a safe and inclusive environment for all members of the institution.

### **# Mediclaim cum Accident Insurance Policy for Students**

MNNIT Allahabad has engaged the National Insurance Company Limited for the 2018-19 session to provide medical insurance coverage to its bonafide students. This policy covers hospitalisation due to illness and accidental injury, subject to certain conditions. Students must first approach the Health Centre on campus, where the doctor may refer them to listed hospitals if necessary. In emergencies during nights or institute holidays, students can directly approach the listed hospitals.

#### **Coverage Details:**

- **Maximum Coverage:** Rs. 50,000 per year
- **Cashless Benefit:** Available at designated hospitals
- **Non-designated Hospitals:** Reimbursement upon submission of complete claim documents
- **Accidental Death and Disability:** Covered as per policy terms

- **Exclusions:** Dental treatments and physiotherapy are not covered
- **Minimum Hospitalisation Period:** 24 hours
- **Claims Process:** Intimation within 24 hours to Office of the Dean (SW)
- **Additional Benefits:** Reimbursement of tuition/exam fees upon hospitalisation

#### **Personal Accident Coverage:**

- **Coverage:** Sum Insured
- **Accidental Death:** Rs. 2,00,000
- **Loss of 2 Limbs or Eyes:** Rs. 2,00,000
- **Loss of 1 Limb and 1 Eye:** Rs. 1,00,000
- **Permanent Total Disability:** Rs. 2,00,000

#### **Medical Benefits:**

- **Coverage Type:** Sum Insured
- **Hospitalisation (Accident):** Rs. 50,000
- **Hospitalisation (Illness/Diseases):** Rs. 50,000
- **Domiciliary Hospitalisation:** Up to 20% of admissible claim amount, max Rs. 20,000 for 40 days
- **Pre and Post Hospitalisation:** Rs. 10,000

**Tuition and Exam Fee Coverage:** Rs. 35,000 in case a student misses final exams due to accidents.

**Loss/Theft of Pedal Cycle:** Coverage up to Rs. 3,500 per year, intimation within 24 hours required.

#### **Contact Persons in Emergency:**

- Mr. Hari Shankar Pande: +91 9415214231, [haris.pande@nic.co.in](mailto:haris.pande@nic.co.in)
- Mr. Dharmendra Kumar BM: +91 7704900409, [dharmendra.kumar@nic.co.in](mailto:dharmendra.kumar@nic.co.in)
- Dr. Amaresh Mishra (Claim-in-charge, TPA): +91 9889731211, [amareshmishra@healthindiatpa.com](mailto:amareshmishra@healthindiatpa.com)

**Claim Documents Required:** Original bills, receipts, discharge certificate, medical history, and other specified documents to be submitted within 15 days from hospital discharge.

- For detailed terms, conditions, and exclusions, refer to the policy documents available from the Office of the Dean (SW).
- For further details, you can visit [MNNIT official page on Mediclaim Insurance for Students](#). This document provides comprehensive information about coverage, benefits, terms, and conditions regarding the insurance policy for students.

## **# Placements and Internships**

#### **Placement Record and Ranking:**

- MNNIT is generally placed within the top 2 to 7 NITs for placements.
- According to the NIRF ranking 2023, MNNIT holds the second position among all NITs in the country and ranks third in terms of college placements.

#### **Branch-wise Placement Percentage:**

- Refer to the placements page on the official website: [MNNIT Placement Archive](#).

## **B.Tech Programs:**

- **Biotechnology:**
  - **Eligible Candidates:**
    - 2020: 24
    - 2021: 29
    - 2022: 24
    - 2023: 29
  - **Placed:**
    - 2020: 23
    - 2021: 26
    - 2022: 23
    - 2023: 26
  - **% Placement:**
    - 2020: 95.83%
    - 2021: 89.65%
    - 2022: 95.83%
    - 2023: 89.65%
  - **Average CTC:**
    - 2020: Rs. 12.19 LPA
    - 2021: Rs. 12.25 LPA
    - 2022: Rs. 12.19 LPA
    - 2023: Rs. 12.25 LPA
  - **Max CTC:**
    - 2020: Rs. 44.5 LPA
    - 2021: Rs. 40 LPA
    - 2022: Rs. 44.5 LPA
    - 2023: Rs. 40 LPA
- **Chemical Engineering:**
  - **Eligible Candidates:**
    - 2020: 39
    - 2021: 41
    - 2022: 39
    - 2023: 41
  - **Placed:**
    - 2020: 35
    - 2021: 40
    - 2022: 35
    - 2023: 40
  - **% Placement:**
    - 2020: 89.74%
    - 2021: 97.56%
    - 2022: 89.74%
    - 2023: 97.56%
  - **Average CTC:**
    - 2020: Rs. 9.2 LPA
    - 2021: Rs. 13.55 LPA
    - 2022: Rs. 9.2 LPA
    - 2023: Rs. 13.55 LPA
  - **Max CTC:**
    - 2020: Rs. 25.91 LPA
    - 2021: Rs. 52 LPA

- 2022: Rs. 25.91 LPA
  - 2023: Rs. 52 LPA
- **Civil Engineering:**
  - **Eligible Candidates:**
    - 2020: 65
    - 2021: 80
    - 2022: 65
    - 2023: 80
  - **Placed:**
    - 2020: 57
    - 2021: 72
    - 2022: 57
    - 2023: 72
  - **% Placement:**
    - 2020: 87.69%
    - 2021: 90%
    - 2022: 87.69%
    - 2023: 90%
  - **Average CTC:**
    - 2020: Rs. 9.96 LPA
    - 2021: Rs. 11.84 LPA
    - 2022: Rs. 9.96 LPA
    - 2023: Rs. 11.84 LPA
  - **Max CTC:**
    - 2020: Rs. 44.5 LPA
    - 2021: Rs. 44 LPA
    - 2022: Rs. 44.5 LPA
    - 2023: Rs. 44 LPA
- **Computer Science & Engineering:**
  - **Eligible Candidates:**
    - 2020: 186
    - 2021: 199
    - 2022: 186
    - 2023: 199
  - **Placed:**
    - 2020: 183
    - 2021: 188
    - 2022: 183
    - 2023: 188
  - **% Placement:**
    - 2020: 98.39%
    - 2021: 94.47%
    - 2022: 98.39%
    - 2023: 94.47%
  - **Average CTC:**
    - 2020: Rs. 25.89 LPA
    - 2021: Rs. 27.57 LPA
    - 2022: Rs. 25.89 LPA
    - 2023: Rs. 27.57 LPA
  - **Max CTC:**
    - 2020: Rs. 118 LPA
    - 2021: Rs. 135 LPA

- 2022: Rs. 118 LPA
  - 2023: Rs. 135 LPA
- **Electrical Engineering:**
  - **Eligible Candidates:**
    - 2020: 71
    - 2021: 80
    - 2022: 71
    - 2023: 80
  - **Placed:**
    - 2020: 71
    - 2021: 79
    - 2022: 71
    - 2023: 79
  - **% Placement:**
    - 2020: 100%
    - 2021: 98.75%
    - 2022: 100%
    - 2023: 98.75%
  - **Average CTC:**
    - 2020: Rs. 13.08 LPA
    - 2021: Rs. 21.22 LPA
    - 2022: Rs. 13.08 LPA
    - 2023: Rs. 21.22 LPA
  - **Max CTC:**
    - 2020: Rs. 54 LPA
    - 2021: Rs. 82.63 LPA
    - 2022: Rs. 54 LPA
    - 2023: Rs. 82.63 LPA
- **Electronics & Communication Engineering:**
  - **Eligible Candidates:**
    - 2020: 140
    - 2021: 165
    - 2022: 140
    - 2023: 165
  - **Placed:**
    - 2020: 135
    - 2021: 146
    - 2022: 135
    - 2023: 146
  - **% Placement:**
    - 2020: 96.43%
    - 2021: 88.48%
    - 2022: 96.43%
    - 2023: 88.48%
  - **Average CTC:**
    - 2020: Rs. 19.14 LPA
    - 2021: Rs. 23.18 LPA
    - 2022: Rs. 19.14 LPA
    - 2023: Rs. 23.18 LPA
  - **Max CTC:**
    - 2020: Rs. 57.5 LPA
    - 2021: Rs. 82.63 LPA

- 2022: Rs. 57.5 LPA
  - 2023: Rs. 82.63 LPA
- **Information Technology:**
  - **Eligible Candidates:**
    - 2020: 109
    - 2021: 113
    - 2022: 109
    - 2023: 113
  - **Placed:**
    - 2020: 105
    - 2021: 107
    - 2022: 105
    - 2023: 107
  - **% Placement:**
    - 2020: 96.33%
    - 2021: 94.69%
    - 2022: 96.33%
    - 2023: 94.69%
  - **Average CTC:**
    - 2020: Rs. 21.33 LPA
    - 2021: Rs. 24.43 LPA
    - 2022: Rs. 21.33 LPA
    - 2023: Rs. 24.43 LPA
  - **Max CTC:**
    - 2020: Rs. 54 LPA
    - 2021: Rs. 82.63 LPA
    - 2022: Rs. 54 LPA
    - 2023: Rs. 82.63 LPA
- **Mechanical Engineering:**
  - **Eligible Candidates:**
    - 2020: 135
    - 2021: 123
    - 2022: 135
    - 2023: 123
  - **Placed:**
    - 2020: 124
    - 2021: 111
    - 2022: 124
    - 2023: 111
  - **% Placement:**
    - 2020: 91.85%
    - 2021: 90.24%
    - 2022: 91.85%
    - 2023: 90.24%
  - **Average CTC:**
    - 2020: Rs. 9.47 LPA
    - 2021: Rs. 12.51 LPA
    - 2022: Rs. 9.47 LPA
    - 2023: Rs. 12.51 LPA
  - **Max CTC:**
    - 2020: Rs. 32.5 LPA
    - 2021: Rs. 55.97 LPA

- 2022: Rs. 32.5 LPA
  - 2023: Rs. 55.97 LPA
- **Production & Industrial Engineering:**
  - **Eligible Candidates:**
    - 2020: 36
    - 2021: 40
    - 2022: 36
    - 2023: 40
  - **Placed:**
    - 2020: 35
    - 2021: 34
    - 2022: 35
    - 2023: 34
  - **% Placement:**
    - 2020: 97.22%
    - 2021: 85%
    - 2022: 97.22%
    - 2023: 85%
  - **Average CTC:**
    - 2020: Rs. 10.56 LPA
    - 2021: Rs. 10.98 LPA
    - 2022: Rs. 10.56 LPA
    - 2023: Rs. 10.98 LPA
  - **Max CTC:**
    - 2020: Rs. 36.5 LPA
    - 2021: Rs. 33.75 LPA
    - 2022: Rs. 36.5 LPA
    - 2023: Rs. 33.75 LPA

## **M.Tech Programs:**

- **All M.Tech:**
  - **Eligible Candidates:**
    - 2020: 323
    - 2021: 387
    - 2022: 426
    - 2023: 318
  - **Placed:**
    - 2020: 101
    - 2021: 98
    - 2022: 208
    - 2023: 186
  - **% Placement:**
    - 2020: 31.26%
    - 2021: 25.06%
    - 2022: 48.83%
    - 2023: 58.49%
  - **Average CTC:**
    - 2020: Rs. 11.8 LPA
    - 2021: Rs. 11.49 LPA
    - 2022: Rs. 12.97 LPA
    - 2023: Rs. 11.9 LPA

- **Max CTC:**
  - 2020: Rs. 29.16 LPA
  - 2021: Rs. 30.96 LPA
  - 2022: Rs. 33.88 LPA
  - 2023: Rs. 33.85 LPA

## **MBA Program:**

- **MBA:**
  - **Eligible Candidates:**
    - 2020: 38
    - 2021: 30
    - 2022: 43
    - 2023: 27
  - **Placed:**
    - 2020: 26
    - 2021: 21
    - 2022: 41
    - 2023: 27
  - **% Placement:**
    - 2020: 68.42%
    - 2021: 70%
    - 2022: 95.35%
    - 2023: 100%
  - **Average CTC:**
    - 2020: Rs. 5.85 LPA
    - 2021: Rs. 5.09 LPA
    - 2022: Rs. 6.9 LPA
    - 2023: Rs. 8.37 LPA
  - **Max CTC:**
    - 2020: Rs. 10 LPA
    - 2021: Rs. 8.46 LPA
    - 2022: Rs. 12.5 LPA
    - 2023: Rs. 13.58 LPA

## **MCA Program:**

- **MCA:**
  - **Eligible Candidates:**
    - 2020: 83
    - 2021: 86
    - 2022: 94
    - 2023: 106
  - **Placed:**
    - 2020: 66
    - 2021: 60
    - 2022: 79
    - 2023: 89
  - **% Placement:**
    - 2020: 79.51%
    - 2021: 69.77%
    - 2022: 84.04%



- 2023: 83.96%
- **Average CTC:**
  - 2020: Rs. 7.15 LPA
  - 2021: Rs. 11.23 LPA
  - 2022: Rs. 13.49 LPA
  - 2023: Rs. 14.28 LPA
- **Max CTC:**
  - 2020: Rs. 29.25 LPA
  - 2021: Rs. 39.022 LPA
  - 2022: Rs. 44.5 LPA
  - 2023: Rs. 44 LPA

### **Overall B.Tech (B.Tech All):**

- **B.Tech All:**
  - **Eligible Candidates:**
    - 2020: 805
    - 2021: 870
    - 2022: 805
    - 2023: 870
  - **Placed:**
    - 2020: 768
    - 2021: 803
    - 2022: 768
    - 2023: 803
  - **% Placement:**
    - 2020: 95.4%
    - 2021: 92.3%
    - 2022: 95.4%
    - 2023: 92.3%
  - **Average CTC:**
    - 2020: Rs. 17.19 LPA
    - 2021: Rs. 20.34 LPA
    - 2022: Rs. 17.19 LPA
    - 2023: Rs. 20.34 LPA
  - **Max CTC:**
    - 2020: Rs. 118 LPA
    - 2021: Rs. 135 LPA
    - 2022: Rs. 118 LPA
    - 2023: Rs. 135 LPA

### **Companies Visiting MNNIT for Placements:**

#### **1. Technology and IT Services:**

- Google
- Microsoft
- Amazon
- Adobe
- Oracle
- Cisco

- IBM
- TCS
- Infosys
- Wipro

## **2. Finance and Consulting:**

- Goldman Sachs
- Morgan Stanley
- JPMorgan Chase
- Deloitte
- Ernst & Young (EY)
- KPMG
- PwC (PricewaterhouseCoopers)

## **3. Core Engineering and Manufacturing:**

- Tata Motors
- L&T (Larsen & Toubro)
- Siemens
- Schneider Electric
- Maruti Suzuki
- IOCL (Indian Oil Corporation Limited)
- BHEL (Bharat Heavy Electricals Limited)

## **4. Startups and Emerging Companies:**

- Flipkart
- Ola
- Zomato
- Swiggy
- Paytm

## **5. Others:** Bosch, Qualcomm, Intel, NVIDIA.

The list of companies can vary each year, and the number of companies visiting the campus may increase or decrease based on the industry trends and economic conditions.

**For more past recruiter companies, refer to the link**

<https://tpo.mnnit.ac.in/tnp/placement/past.php>

## **Average Placement Package:**

- The average placement package at MNNIT Allahabad generally ranges between ₹13 to ₹15 lakhs per annum (LPA).
- For more information, refer to the official placement website: [MNNIT Placement Statistics](#).

## **Placement Preparation Tips:**

Getting a good placement at Motilal Nehru National Institute of Technology (MNNIT) Allahabad or any similar institution typically involves a combination of academic performance, relevant skills, networking, and preparation.

Some tips to secure a good placement :

- **Academic Excellence:** Maintain Strong Grades: Aim for a high CGPA, as many companies have minimum grade requirements.
- **Skill Development:** Technical Skills: Master programming languages (C++, Java, Python) and tools relevant to your field.
- **Soft Skills:** Enhance your communication, teamwork, and leadership abilities.
- **Internships and Projects:** Practical Experience: Engage in internships and projects to gain hands-on experience and build your portfolio.
- **Resume Building:** Tailored Resume: Highlight your achievements, skills, and experiences. Customise your resume for different companies.
- **Networking:** Career Fairs and Seminars: Attend events to network with professionals and learn about job opportunities.
- **Alumni Network:** Connect with MNNIT alumni for insights and potential referrals.
- **Mock Interviews:** Practice Sessions: Participate in mock interviews to build confidence and refine your responses.
- **Company Research:** Understand Employers: Research visiting companies to understand their culture, roles, and requirements.
- **Placement Cell Engagement:** Utilise Resources: Leverage the placement cell's resources for guidance, job openings, and interview preparation.
- **Continuous Learning:** Stay Updated: Keep up with industry trends and new technologies to remain competitive.
- **Proactive Approach:** Seek Opportunities: Actively apply for internships and job openings that align with your career goals.

#### Importance of CGPA:

- **When High CGPA is Beneficial:**
  - **Initial Shortlisting:** Many companies use CGPA as a cutoff for the initial screening process. A higher CGPA can increase your chances of being shortlisted for interviews.
  - **Core Companies:** For roles in core engineering fields, companies often prioritise candidates with strong academic records.
  - **Higher Studies:** If you plan to pursue higher studies or research roles, a high CGPA is often required.
- **Importance Beyond CGPA:**
  - Technical Skills
  - Projects/Internships
  - Soft Skills
  - Extracurricular Activities
  - Certifications
  - Networking

#### // Balanced Approach:

- Decent CGPA: Aim for around 7.0 to 8.0 or higher.
- Skill Development: Focus on technical and soft skills.
- Interview Prep: Practice coding and problem-solving.

// A high CGPA is helpful but not the sole factor. A balanced profile is key.

#### Placement Process at MNNIT:

1. **Pre-Placement Talks (PPTs):**

- a. Companies visit the campus to give presentations about their organisation, roles, and selection process.
2. **Registration:**
  - a. Students register for the companies they are interested in.
  - b. Eligibility criteria (like minimum CGPA) are checked.
3. **Aptitude Tests:**
  - a. Written tests assessing quantitative, logical, and verbal skills.
  - b. Some companies also include technical tests.
4. **Group Discussions (GD):**
  - a. Shortlisted candidates participate in group discussions to assess communication and teamwork skills.
5. **Technical Interviews:**
  - a. One or more rounds focusing on technical knowledge and problem-solving abilities.
  - b. Questions related to core subjects, programming, and projects.
6. **HR Interviews:**
  - a. Final round focusing on personality, strengths, weaknesses, career goals, and fit with the company culture.
7. **Offers and Acceptance:**
  - a. Selected candidates receive offer letters.
  - b. Students accept offers and complete any necessary formalities.

#### **Post-Graduation Placement Assistance:**

MNNIT Allahabad offers placement assistance to its alumni even after graduation. Here are some ways alumni can benefit:

1. **Alumni Network:**
  - Connect with the extensive alumni network for job opportunities and referrals.
2. **Placement Cell Support:**
  - Reach out to the Training and Placement Cell for guidance and assistance.
3. **Career Fairs and Seminars:**
  - Participate in career fairs and seminars organised by the institute.
  - Global Alumni Conclave (GAC) at MNNIT helps alumni seek assistance from the college and stay connected. It fosters a continuous relationship between alumni and their alma mater.
4. **Online Job Portals:**
  - Utilise any online job portals or platforms provided by MNNIT for job listings and applications.
5. **Workshops and Webinars:**
  - Attend skill development workshops and webinars conducted for alumni.
6. **Company Outreach:**
  - Leverage relationships with companies that have ongoing recruitment partnerships with MNNIT.

#### **Distinction Between Placement Cell and TPO:**

##### **Placement Cell:**

- Focuses on coordinating placement activities like organising drives and inviting companies.

##### **Training and Placement Office (TPO):**

- Includes training and placement activities, providing pre-placement training, counselling, and skill development programs.

# Basically TPO and placement cell are the same in our college.

### **Responsibilities of Placement Cell and TPO:**

- **Placement Cell:**
  - Coordinating placement activities.
  - Inviting companies.
  - Organising placement drives.
- **TPO:**
  - Providing pre-placement training.
  - Career counselling and guidance.
  - Conducting skill development programs.
  - Enhancing employability.

### **Support for Students:**

- **Placement Cell:** Assists students in securing job offers through placement drives and company interactions.
- **TPO:** Equips students with the necessary skills and guidance for interviews and placements, increasing their chances of success.

### **Members and Benefits of TPO:**

- **Members:** Team of student coordinators from all courses.
- **Benefits for TPO members:** They have special favours when it comes to placements. Companies give preferential treatment to TPRs as they are in constant interaction with the company officials.
- **Networking Opportunities:** Interacting with various companies and professionals.
- **Skill Development:** Enhancing communication, organisational, and leadership skills.
- **Industry Exposure:** Understanding industry trends and requirements.
- **Career Growth:** Building a strong professional profile and gaining valuable experience.
- **Contribution to Students' Success:** Playing a key role in students' placements and career development.

### **Role of Internships:**

- Provides practical experience, skill development, industry exposure, networking opportunities, resume enhancement, potential pre-placement offers (PPO), and career clarity.

### **Finding Internship Opportunities:**

- **Placement Cell:** Stay updated with internship notifications and opportunities shared by the Placement Cell.
- **Online Platforms:** Use online platforms like Internshala, LinkedIn, and LetsIntern to search for internships.
- **Campus Events:** Attend career fairs, seminars, and workshops where companies offer internship opportunities.
- **Faculty Advisors:** Consult with faculty advisors in your department for guidance on finding internships.
- **Alumni Network:** Connect with alumni who may provide leads or referrals for internships.
- **Company Websites:** Check the career sections of company websites for internship openings.

- **Networking:** Build a professional network by attending events and connecting with professionals in your field.
- **Internship Portals:** Utilise internship portals specific to your field or industry for internship listings.

#### **Different Job Roles Offered:**

- **Technical:** Software Engineer, Data Analyst, Network Engineer.
- **Management:** Marketing Manager, Operations Manager, Business Analyst.
- **Consulting:** Management Consultant, Strategy Consultant.
- **Core Engineering:** Mechanical Engineer, Electrical Engineer, Civil Engineer.
- **Finance:** Financial Analyst, Investment Banker, Accountant.
- **R&D:** Research Scientist, R&D Engineer.
- **HR:** HR Manager, Recruitment Specialist.
- **Design and Creative:** Graphic Designer, UX/UI Designer, Content Writer.

#### **Placement Statistics:**

- Placement rate for BTech in 2024 was
- Placement rate for BTech in 2023 was 92.3%.
- Placement rate for BTech in 2022 was 95.4%.
- Placement rate for BTech in 2021 was 87.09%.
- Refer to the official website for more statistics: [MNNIT Placement Statistics](#).

#### **It is also possible to get placed in a company without participating in campus placements by:**

- Applying directly to company job openings.
- Networking and seeking referrals.
- Using job portals and professional networking platforms.
- Attending job fairs and recruitment events.
- Contacting recruitment agencies or hiring firms.

#### **Top Recruiters:**

1. Google
2. Microsoft
3. Amazon
4. Goldman Sachs
5. Adobe
6. Cognizant
7. TCS (Tata Consultancy Services)
8. Infosys
9. Wipro
10. L&T (Larsen & Toubro)
11. Oracle

#### **Ways Companies Hire Students:**

1. **Campus Recruitment Drives:** On-campus interviews and job fairs.
2. **Internship Programs:** Offering internships with potential for full-time offers.
3. **Campus Ambassador Programs:** Hiring students to promote the company on campus.
4. **Workshops and Seminars:** Conducting skill development sessions and guest lectures.

- 5. University Collaborations:** Partnering with departments for projects and courses.
- 6. Online Recruitment Portals:** Posting jobs on university career portals and third-party sites.
- 7. Scholarship Programs:** Offering scholarships with guaranteed job offers.
- 8. Alumni Networks:** Utilising alumni referrals and involvement.
- 9. Direct Partnerships:** Signing MOUs with institutions for exclusive recruitment.
- 10. Virtual Recruitment:** Hosting virtual career fairs and webinars.
- 11. Competitions:** Organising hackathons and case study competitions.
- 12. Sponsorships:** Sponsoring campus events and organisations.

### **Company Registration for Hiring:**

To register for the campus hiring process, a company typically needs to follow these steps:

- **Contact Career Services:** Reach out to the university's career or placement office.
- **Submit Documents:** Provide company profile, job descriptions, and other required information.
- **Sign Agreements:** Complete necessary agreements or MOUs with the university.
- **Register on Portals:** Sign up on the university's employer portal if available.
- **Participate in Career Fairs:** Register for campus career fairs and recruitment events.
- **Schedule Visits:** Coordinate dates for campus visits and interviews.
- **Engage with Students:** Conduct pre-placement talks and information sessions.
- **Follow Policies:** Adhere to the university's recruitment policies and timelines

### **Recruitment Procedure:**

1. **Pre-Recruitment Preparation:**
  - **Company Registration:** Companies register with the college's placement cell.
  - **Job Description Submission:** Companies provide job descriptions, required qualifications, and other details.
2. **Pre-Placement Activities:**
  - **Pre-Placement Talks (PPT):** Companies conduct presentations to introduce themselves and explain job roles.
  - **Resume Collection:** Interested students submit their resumes.
3. **Screening Process:**
  - **Aptitude Tests:** Students may take written tests to assess their quantitative, logical, and verbal skills.
  - **Group Discussions:** Shortlisted candidates participate in group discussions to evaluate communication and teamwork skills.
4. **Interview Process:**
  - **Technical Interviews:** Candidates are assessed on their technical knowledge and problem-solving abilities.
  - **HR Interviews:** Final interviews to evaluate candidates' fit with the company culture and discuss compensation and benefits.
5. **Offer and Acceptance:**
  - **Job Offers:** Companies extend job offers to selected candidates.
  - **Acceptance:** Students accept offers and sign employment contracts.
6. **Onboarding:**

- **Joining Instructions:** Companies provide joining dates and other necessary information for the onboarding process.

#### **Infrastructural Facilities for Placements:**

1. **Placement Office:**
  - A dedicated office space for the Training and Placement (T&P) Cell to coordinate all placement activities.
2. **Interview Rooms:**
  - Multiple air-conditioned rooms for conducting interviews, ensuring privacy and a professional environment.
3. **Group Discussion Rooms:**
  - Designated rooms for group discussions, equipped with necessary seating arrangements and audio-visual aids.
4. **Seminar Halls:**
  - Large halls for pre-placement talks (PPTs) and presentations, equipped with projectors, sound systems, and seating for a substantial number of students.
5. **Conference Rooms:**
  - State-of-the-art conference rooms for meetings between recruiters and faculty or placement officers.
6. **Computer Labs:**
  - Well-equipped computer labs with high-speed internet access for online tests and other digital assessments.
7. **Wi-Fi and Internet Access:**
  - Campus-wide Wi-Fi and dedicated internet connections to support online recruitment activities.
8. **Accommodation Facilities:**
  - Guest houses or on-campus accommodation for recruiters who visit for multiple days.
9. **Transport Facilities:**
  - Arrangements for transportation within the campus and for local travel to and from nearby transportation hubs like railway stations or airports.
10. **Support Staff:**
  - Dedicated staff to assist with logistics, document handling, and other administrative tasks during the placement process

#### **Networked Computer Systems:**

- MNNIT has around 1200 networked computer systems available across various departments and labs. These systems support the academic and placement activities by providing necessary technological infrastructure for online tests, training sessions, and other digital recruitment processes.

#### **Policy on Multiple Job Offers**

- At MNNIT Allahabad, once a student is placed in a company, they are typically not allowed to participate in further placement processes to ensure fair opportunities for all students. This policy is common across many institutions to provide every student with a chance to secure a job.

#### **Alumni-Related Information:**

##### **Notable Alumni:**



1. **Sanjiv Chaturvedi**  
Ramon Magsaysay Award 2015  
Indian Forest Service- Conservator of Forest(Research), Haldwani
2. **Neeraj Mehrotra**  
Director, Min of Defense, Govt of India
3. **Deep Joshi**  
Co-founder of PRADAN (Professional Assistance for Development Action)  
Selected for the Ramon Magsaysay Award 2009
4. **Nelabhotla Venkateswarlu**  
CEO of Vyome BioSciences & Ex-CEO of Emami House
5. **Arvind Saxena**  
Ex-President & MD, General Motors, India
6. **Saurabh Tripathi**  
CFO, Surgery at GE Healthcare
7. **B.C. Tripathi**  
C&MD, GAIL(India) Limited, Chairman, GAIL Gas and Brahmaputra Crackers and Polymers Ltd.
8. **Atul Sobti**  
C&MD, BHEL
9. **Anand Dalal**  
Senior Vice President,  
Tata Teleservices Limited
10. **Dr. Vivek Man Singh**  
President VTG & Unified Communication Group India at Cisco Systems.
11. **Parag Arora**  
Area Vice President & Country Head, India Sub -continent at Citrix Systems
12. **Sudeep Bharti**  
Director, Mobile Devices Group Microsoft India Development
13. **Basant Nanda**  
Managing Director - Head Of Information Technology at CPP Investment Board.

And many more are doing great work to serve the nation and society.

### **Alumni Support During Placement Process**

Alumni of MNNIT Allahabad provide substantial support to current students during the placement process through various means:

- **Mentoring and Guidance:** Alumni act as mentors, offering career advice and guidance.
- **Networking:** They facilitate connections with professionals and industry contacts.
- **Workshops and Guest Lectures:** Alumni conduct sessions on interview skills and career development.
- **Mock Interviews:** They help students practise and prepare for real interviews.
- **Job Referrals:** Alumni refer students for job openings within their organisations.
- **Industry Insights:** They share current trends and skill requirements in various industries.
- **Soft Skills Development:** Alumni emphasise the importance of soft skills like communication and leadership.

For more detailed and updated information, refer to the official MNNIT placements website: [MNNIT T&P](#).

### **Startups Founded by MNNIT Allahabad Alumni**

Based on the available information, here are two notable startups founded by MNNIT Allahabad alumni:

- **Vyome Biosciences:** Founded by Nelabhotla Venkateswarlu.
- **OnMobile:** Co-founded by Mouli Raman.

### Connecting with MNNIT Allahabad Alumni Who Have Founded Successful Startups

To connect with MNNIT Allahabad alumni who have founded successful startups, you can follow these steps:

- **Join Alumni Networks:** Participate in MNNIT Allahabad alumni associations and groups.
- **Use LinkedIn:** Search for alumni founders on LinkedIn and send personalised connection requests.
- **Attend Events:** Attend alumni meetups, startup events, and workshops.
- **Explore Mentorship Programs:** Look into mentorship or incubator programs associated with MNNIT.
- **Utilise College Resources:** Use MNNIT Allahabad's career services for introductions and networking opportunities.
- **Engage on Social Media:** Follow alumni founders on social media and engage with their content.

### Alumni-Led Startups Participation in Campus Placements at MNNIT Allahabad

Alumni-led startups do participate in campus placements at MNNIT Allahabad, contributing to the diversity of recruiting companies and opportunities available to students. Their involvement enriches the overall placement landscape at MNNIT Allahabad, offering students diverse career paths and entrepreneurial opportunities.

### Alumni Assistance with Internships and Job Placements

Yes, alumni can help with getting internships or job placements at their startups. Here's how:

- **Direct Referrals:** Alumni can refer current students for internships or job positions within their startups, often giving referred candidates an advantage.
- **Mentorship and Guidance:** Alumni can offer guidance on the skills and experiences needed to succeed in their startups, helping students tailor their applications and prepare for interviews.
- **Networking:** Alumni can introduce students to other key contacts within their industry, expanding their professional network and opening up more opportunities.
- **Workshops and Seminars:** Alumni often participate in or organise workshops, webinars, and career talks at their alma mater, during which they can identify and recruit promising students.
- **Exclusive Opportunities:** Alumni may create or reserve specific internship or job opportunities exclusively for students from their alma mater, recognizing the quality of education and shared background.
- **Collaborative Projects:** Alumni-led startups may collaborate with the institute on projects, providing students with practical experience and potential recruitment opportunities.

### # When to Start Looking for Internships at MNNIT

Start looking for internships:

- At least 6 months in advance: Begin searching and applying around 6 months before you want to start the internship.
- During sophomore year: Especially for summer internships, start looking in the fall or early spring of your sophomore year.
- Check deadlines: Many companies have early application deadlines, so keep track of these.
- Continuous search: Regularly check for new opportunities and apply as they become available.

## **Types of Internships Available for Various Branches**

The types of internships available for your branch depend on your specific field of study. Here are some common examples:

- **Computer Science and Engineering (CSE):**
  - Software Development
  - Data Science and Analytics
  - Cybersecurity
  - Artificial Intelligence and Machine Learning
- **Electrical Engineering (EE):**
  - Power Systems
  - Electronics Design
  - Control Systems
  - Renewable Energy
- **Mechanical Engineering (ME):**
  - Manufacturing and Production
  - Automotive Design
  - HVAC Systems
  - Robotics
- **Civil Engineering (CE):**
  - Structural Engineering
  - Construction Management
  - Environmental Engineering
  - Urban Planning
- **Electronics and Communication Engineering (ECE):**
  - Telecommunications
  - Embedded Systems
  - VLSI Design
  - Signal Processing
- **Chemical Engineering (CHE):**
  - Process Engineering
  - Petrochemicals
  - Pharmaceuticals
  - Environmental Health and Safety
- **Information Technology (IT):**
  - IT Support
  - Network Administration
  - Web Development
  - Cloud Computing

## **Expectations During an Internship**

During your internship, you can expect:

- **Learning and Training:** Gaining new skills and knowledge relevant to your field.
- **Hands-on Experience:** Working on real projects and tasks assigned by your supervisor.
- **Mentorship:** Receiving guidance and feedback from experienced professionals.
- **Networking:** Building connections with colleagues and industry professionals.
- **Team Collaboration:** Working as part of a team and participating in meetings.
- **Performance Evaluation:** Receiving evaluations on your work and areas for improvement.
- **Professional Development:** Developing soft skills like communication, teamwork, and time management.

## Common Challenges During Internships and How to Overcome Them

Common challenges during internships and how to overcome them include:

- **Lack of Experience:** Be open to learning, ask questions, and seek guidance from mentors.
- **Time Management:** Prioritise tasks, create a schedule, and stick to deadlines.
- **Adapting to Work Culture:** Observe and learn from colleagues, be flexible, and communicate effectively.
- **Handling Criticism:** Accept feedback positively, use it for improvement, and ask for specific suggestions.
- **Balancing Multiple Tasks:** Break tasks into smaller steps, focus on one task at a time, and avoid multitasking.
- **Building Confidence:** Prepare thoroughly, practice skills, and seek support from peers and supervisors.
- **Communication Barriers:** Be clear and concise, actively listen, and don't hesitate to ask for clarification.

## Transition from Internship to Full-Time Job

An internship can lead to a full-time job offer by:

- **Strong Performance:** Impressing employers with your work.
- **Relevant Skills:** Gaining skills needed by the company.
- **Networking:** Building good relationships with staff.
- **Cultural Fit:** Demonstrating alignment with company values.
- **Expressing Interest:** Communicating your desire for a full-time role.

Many companies use internships to identify future full-time employees.

## MNNIT's Internship Support

MNNIT Allahabad has a dedicated Training and Placement Office (TPO) that assists students with internships by organising drives, providing guidance, conducting workshops, maintaining industry relations, and managing logistics.

## Applying for Internships through MNNIT's Placement Cell

To apply for internships through MNNIT's Placement Cell:

- **Register:** Register yourself with MNNIT's Placement Cell through their designated portal or office.
- **Check Internship Listings:** Monitor internship listings posted by the Placement Cell on their website or notice boards.
- **Apply Online:** Follow the application instructions provided for each internship opportunity.

- **Prepare Documents:** Ensure your resume and any required documents (like cover letter, transcripts) are updated and tailored to the opportunity.

## Typical Range of Internship Stipends

The typical range of internship stipends for students can vary widely depending on factors such as the company, location, industry, and duration of the internship. As a general guideline:

- **Low-Range Stipend:** Some internships may offer stipends around ₹5,000 to ₹10,000 per month.
- **Mid-Range Stipend:** Many internships offer stipends ranging from ₹10,000 to ₹20,000 per month.
- **High-Range Stipend:** Higher stipends can range from ₹20,000 to ₹50,000 or more per month, especially in industries like finance, technology, and consulting.

## Considering Unpaid Internships

Unpaid internships are somewhat common, especially in certain industries or for shorter durations. Whether you should consider them depends on your circumstances and the opportunity itself.

### Pros of Unpaid Internships:

- **Experience:** They can provide valuable work experience and skill development.
- **Networking:** Opportunity to build connections and references within the industry.
- **Resume Building:** Enhance your resume with relevant experience.

### Cons of Unpaid Internships:

- **Financial Impact:** No financial compensation, which may not be feasible for some students.
- **Value Recognition:** Some argue that unpaid internships undervalue the work interns provide.
- **Legal Considerations:** Laws regarding unpaid internships vary by country and region, and it's essential to ensure the internship complies with applicable regulations.

## Factors Influencing Internship Stipend Amounts

Factors influencing the amount of stipend offered for internships include:

- **Industry:** Industries like finance and technology typically offer higher stipends compared to non-profit sectors.
- **Location:** Stipends may vary based on the cost of living in the internship location.
- **Duration:** Longer internships often come with higher stipends.
- **Company Size:** Larger companies tend to offer higher stipends compared to smaller startups.
- **Skills and Experience:** Students with in-demand skills or relevant experience may receive higher stipends.
- **Demand and Supply:** Market conditions and competition for talent in specific fields can influence stipend amounts.

## Additional Benefits Along with Stipend

Companies often offer additional benefits along with the stipend, which can vary based on whether your internship is offline or online:

**Online:**

- Work from home flexibility
- Internet reimbursement
- Online training
- Networking opportunities
- Access to company's software/tools
- Mentorship programs
- Flexible working hours
- Performance bonus
- E-learning subscriptions
- Company merchandise

**Offline:**

- Health insurance
- Travel allowance
- Accommodation
- Meal plans
- On-site training
- Gym facilities
- Networking opportunities
- Access to company's software/tools
- Performance bonus
- Company merchandise
- In some cases, they also provide laptops to facilitate the work.

**Connecting with Seniors Who Have Interned at Interested Companies**

You can get in touch with seniors who have interned at companies you're interested in through:

- College Alumni Network
- LinkedIn
- Campus Placement Cell
- Department WhatsApp/Telegram Groups
- College Events and Seminars

**Summer Internship Programs at MNNIT Allahabad**

**Organised by TPC:** The Training and Placement Cell (TPC) facilitates summer internships with various companies and research institutions.

- **Application Process:** Apply through the TPC with your resume and academic transcripts; interviews may be arranged.
- **Duration:** Typically 6-8 weeks during the summer break.
- **Eligibility:** Usually open to second and third-year students.
- **Types of Internships:** Available across engineering, technology, research, and management fields.
- **Credits:** Some internships may offer academic credits; check with your department.
- **Stipend:** Depends on the company's policy; some may offer stipends, others may be unpaid.

**# Global Partnerships and Collaborations at MNNIT Allahabad**

MNNIT Allahabad actively engages in international partnerships and exchange programs to provide students and faculty with global exposure and opportunities for academic and research collaborations.

### **International Partnerships and Exchange Programs**

- **DAAD (German Academic Exchange Service):** MNNIT Allahabad collaborates with DAAD to facilitate student and faculty exchange programs with German universities. This includes opportunities for research internships, joint projects, and higher studies.
- **Erasmus+ Program:** Through the Erasmus+ program, MNNIT students and faculty can participate in exchange programs with European universities, promoting cross-cultural learning and research collaboration.
- **MoUs with Foreign Universities:** MNNIT has signed Memorandums of Understanding (MoUs) with several prestigious international universities for academic exchange, joint research projects, and student mobility programs. These partnerships help enhance the quality of education and research at MNNIT.
- **Indo-US Collaboration:** The college has collaborations with various universities in the United States, providing opportunities for joint research, faculty exchange, and student internships.
- **Global Research Projects:** Faculty members at MNNIT actively participate in global research projects, contributing to international publications and gaining recognition in their respective fields.

These international partnerships and exchange programs at MNNIT Allahabad are designed to foster academic excellence, research innovation, and cross-cultural understanding among students and faculty, preparing them for successful careers in a globalised world.

### **# Significant Technological Advancements from MNNIT**

- **Computer Science & Engineering Initiatives:**
  - First Undergraduate Program: MNNIT was the first institute in India to start an undergraduate program in Computer Science & Engineering in 1976-77, paving the way for advanced computing education in the country.
- **Industrial and Entrepreneurial Development:**
  - Self-Employment Project (1972): Established an industrial estate with 68 sheds to encourage entrepreneurship and create employment opportunities.
- **Design and Innovation:**
  - Design Centre: Established under the Indo-UK REC Project (1994-99), focusing on advancing design education and research.
- **Educational Quality Improvement:**
  - TEQIP Leadership: Selected as a Lead Institution under the World Bank-funded Technical Education Quality Improvement Programme (TEQIP) (2002-2007), significantly enhancing the quality of technical education.

These advancements highlight MNNIT's role in pioneering computer science education, fostering industrial development, and improving technical education quality.

### **# SAC at MNNIT Allahabad**

The Student Activity Center (SAC) at MNNIT Allahabad is responsible for organising various cultural and technical events, fostering a vibrant campus life. Here are key details:

- **Cultural Events:** SAC organises a range of cultural events, including festivals, music and dance performances, art exhibitions, and literary activities, promoting creativity and talent among students.

- **Technical Events:** The centre hosts technical events such as hackathons, coding competitions, robotics contests, workshops, and seminars, encouraging innovation and technical skills.
- **Clubs and Societies:** SAC oversees numerous student clubs and societies that cater to diverse interests, providing platforms for students to engage in extracurricular activities and pursue their passions.
- **Annual Festivals:** Major annual festivals like Culrav (cultural fest) and Avishkar (technical fest) are coordinated by SAC, drawing participation from students across the institute and other colleges.
- **Committees:** Within SAC, there are specialised committees:
  - Steering Committee: Organises events like fresher's welcome (Swagat) and farewell (Rukhsat), managed by seniors selected through annual recruitment.
  - Discipline Committee: Ensures adherence to campus rules and regulations, maintaining decorum during events and activities.
- **Facilities:** SAC facilities include:
  - Dedicated building for SAC activities, located towards the boys' hostel side.
  - Separate rooms for Robotics, Aero Club, and other clubs.
  - Recreational areas with facilities for table tennis, carrom, and a TV room.

For more information about SAC and its activities, students can visit the SAC office or check the official MNNIT website.

## # Achievements of MNNIT Allahabad

1. **Rankings and Placements:**
  - **NIRF Ranking 2019:** Ranked 2nd among NITs in placements according to the past three years of placement records.
  - **NIRF 2023:**
    - Ranked 3rd among all NITs and 12th among all Engineering Colleges (including IITs) in terms of Graduation Outcome.
    - Ranked 2nd among all NITs and 7th among all Engineering Colleges (including IITs) in Placement & Higher Studies (GPH).
    - Ranked 3rd among all NITs and 22nd among all Engineering Colleges (including IITs) in terms of Median Salary.
2. **Institutional Excellence:**
  - **ARIIA 2021:** Ranked 10th among Institutes of National Importance.
  - **Ministry of Human Resource Development (NIRF) 2016:** Ranked 1st among Northern NITs.
  - **CSR-GHRDC Engineering Colleges Survey:**
    - Ranked 1st among Engineering colleges of super excellence in 2014.
    - Ranked 3rd among Engineering colleges of super excellence in 2011.
3. **Awards and Recognitions:**
  - **IEEE:** Outstanding Branch Counsellor Award to MNNIT Students Branch.
  - **ABP News Initiative:** MNNIT bags the National B-School Award.
  - **ET Now Economic Times Survey:** Best Engineering Institute in North, ranked first.

## # Connectivity of Prayagraj

1. **New Prayagraj Airport:**
  - Inaugurated by Prime Minister Modi.
  - Well connected with major cities.
  - Notable flights include:
    - INDIGO 6E-5998 (BLR)



- INDIGO 6E-5914 (BOM)
  - AIR INDIA AI-9603 (DEL)
  - INDIGO 6E-2037 (DEL)
  - Many more flight connections available.
- 2. **Railway Connectivity:**
  - Headquarters of the North Central Railway Zone.
  - Well connected by trains to major cities including Mumbai, Delhi, Chennai, Hyderabad, Kolkata, Indore, Lucknow, and Bengaluru.
- 3. **Road Connectivity:**
  - Located on National Highways 2 and 27.
  - Accessible by road from all parts of the country.
  - Convenient transport options available.
  - Important neighbouring cities include:
    - Varanasi (124 km)
    - Lucknow (198 km)
    - Kanpur (193 km)

#### # Girls Hostels at MNNIT Allahabad:

##### Number of Girls Hostels:

1. DJGH (Diamond Jubilee Girls Hostel)
2. KNGH (Kamla Nehru Girls Hostel)
3. SNGH (Sarojini Naidu Girls Hostel)
4. IH-B/Bachelor Flat (International House)

##### Facilities Available:

- **Fully Furnished Rooms:** With beds, study tables, chairs, and wardrobes.
- **Wi-Fi Connectivity:** High-speed internet access.
- **Common Rooms:** Equipped with TV and recreational facilities.
- **Mess and Dining:** Providing nutritious meals.
- **24/7 Security:** With CCTV surveillance and security personnel.
- **Housekeeping Services:** Regular cleaning of rooms and common areas.
- **Medical Facilities:** Access to medical care and emergency services.
- **Sports Facilities:** Indoor and outdoor sports equipment such as badminton court, table tennis, etc.
- **Water Purifiers and Coolers:** For safe drinking water.
- **Power Backup:** Uninterrupted power supply.

##### Room Allotment Process:

- **Registration:** Register for hostel accommodation during admission.
- **Application:** Fill out and submit the hostel application form with required documents.
- **Allocation:** Rooms are allotted based on criteria like year of study and availability.
- **Allotment List:** Check the published room allotment list.
- **Fee Payment:** Pay the hostel fees.
- **Occupation:** Occupy the room on the specified date after completing formalities.

**First-Year Girls' Rooms:** First-year girls get a well-furnished room accommodating three students each. Rooms include three beds, a study area with three tables and chairs, and a balcony.

**Security Measures:**

- 24/7 security with surveillance cameras and security guards at the main gate.
- A register for logging entry and exit.
- In-time rules: 8:30 pm for first-year girls and 10 pm for second-year girls.
- Daily night entry check, with consequences for non-compliance.

**Mess Facilities:**

- DJGH has a private mess with flexible dining hours until food is finished. Other messes have fixed dining times.
- Four meals provided: Breakfast, lunch, snacks, and dinner.
  - **Breakfast:** Usual menu + milk + tea + bread butter/jam + chickpeas/green grams.
  - **Lunch:** Usual menu + salad + buttermilk/curd.
  - **Snacks:** Usual menu + tea/coffee & refreshment (in summer).
  - **Dinner:** Usual menu + sweet dish.

**Common Rooms and Recreational Facilities:**

- Common rooms on all or alternate floors with tables, stools, or sofas.
- Common rooms include table tennis facilities; all except DJGH have a TV.

**Laundry and Housekeeping Services:**

- Regular housekeeping services for rooms, common rooms, and other areas.
- Laundry services are available on campus for a fee.

**Visitor Rules:**

- Visitors cannot stay overnight (male visitors only allowed in common rooms).
- Female visitors can stay in guest rooms available in the hostel.
- Male visitors cannot enter rooms; they can use mess facilities.
- Fees required for visitor stays.

**Electrical Appliances Rules:**

- Only kettles are allowed. Induction cookers, heaters, straighteners, etc., are prohibited.

**Study Rooms:**

- No dedicated study rooms or areas for group study in the hostels.

**Medical Facilities:**

- Basic medical facilities including first aid kits and on-call doctors. For serious medical needs, students are advised to visit the campus health centre or seek external medical attention.

**Reporting Issues or Grievances:**

- Report through hostel wardens, hostel committees, institute grievance redressal cell, online portals/forms, faculty advisors, student union, or email/written communication.

**Room repair services:**

- To request a repair in the girls' hostel at MNNIT Allahabad, first inform the caretaker mam about the issue, and she will guide you on where to register the complaint. Ask for the complaint register and document your repair request by entering your name, room number, and a description of the problem. If the repair is not addressed in a reasonable time, follow up with the caretaker or the warden. For urgent repairs that pose a safety risk, inform the caretaker or warden immediately to prioritise the issue.

#### **Internet and Wi-Fi Connectivity:**

- **Campus Wi-Fi Network:** Most hostels are equipped with campus-wide Wi-Fi, allowing students to connect their devices to the internet from their rooms or common areas.
- **LAN Connections:** Some hostels may offer wired LAN connections in rooms for more stable and faster internet access.

#### **Hostel Clubs and Committees:**

- No specific hostel clubs or committees other than the mess secretary and floor in-charges.

#### **Mess Management:**

- Hostel messes are typically run by students, with a mess secretary overseeing issues and menu decisions.

#### **Room Furnishings:**

- Rooms include beds, almirahs, and table-chairs according to the number of occupants.

#### **Additional Facilities:**

- **24/7 Security:** Enhanced security measures, including CCTV surveillance and security personnel, to ensure the safety of residents.
- **Common Rooms:** Well-furnished common rooms with TV, seating arrangements, and recreational activities.
- **Mess and Dining Facilities:** Hygienic and well-maintained mess facilities providing nutritious meals.
- **Medical Facilities:** Access to medical care with first-aid kits and nearby or on-call medical staff.
- **Wi-Fi and Internet:** Reliable Wi-Fi connectivity throughout the hostel.
- **Gym and Sports Facilities:** Access to a gym or fitness centre and sports facilities to promote physical well-being.
- **Guest Rooms:** Accommodation options for visiting parents or guardians.
- **Transport Services:** Shuttle or transport services for easy commute within the campus and nearby areas.
- **Counselling Services:** Availability of counselling and mental health support.

#### **Dining Hours at DJGH:**

- **Breakfast:** 7:30 AM - 9:00 AM
- **Lunch:** 12:30 PM - 2:00 PM
- **Evening Snacks:** 5:00 PM - 6:30 PM
- **Dinner:** 8:00 PM - 9:30 PM

#### **General Store:**

- A general store and a night canteen are available in the girls' hostels.

**Roommate Conflicts:**

- Address conflicts directly with roommates, seek help from hostel wardens or authorities, use counselling services if needed, or consider room change options.

**Late-Night Entry for Emergencies:**

- Provision for late-night entry with prior information to the hostel warden or security and a valid reason.

**Check-In and Check-Out Procedures:****Check-in:**

- Report to the hostel office.
- Complete necessary forms.
- Submit required documents (ID, admission letter).
- Collect room keys.

**Check-out:**

- Inform the hostel office in advance.
- Clear all dues.
- Return room keys.
- Obtain clearance from warden

**Vehicle Policy:**

- Vehicles are not allowed, but bicycles can be brought to the hostel.

**Hostel Fee Structure:**

- Refer to the official MNNIT website ([www.mnnit.ac.in](http://www.mnnit.ac.in)) for detailed information on hostel fees and mess fees.

**Additional Charges:**

- No additional charges apart from the hostel and mess fees.

**Fee Payment:**

- Hostel and mess fees are paid at the start of the semester at the hostel office.

**Fee Concessions and Financial Aid:**

- Information on financial aid is available on the student welfare portal of the official MNNIT website.

**Refund Procedures:**

- Hostel fees are generally non-refundable, but mess refunds are transferred to the bank account provided by the student.

**Late Payment Penalties:**

- Penalties for late payment of hostel and mess fees are outlined by the hostel administration.

**Fee Payment in Instalments:**

- Instalment payment options are generally not available, but special cases can be discussed with the hostel office.

**Fee Waivers for Special Needs or Disabilities:**

- Information available on the student welfare portal of the official MNNIT website.

**Warden Contact Information:**

- Refer to the team of wardens on the student welfare portal of the official MNNIT website ([www.mnnit.ac.in](http://www.mnnit.ac.in)).

**Alumni Visits or Stays:**

- Alumni visits or stays are allowed under certain conditions with prior approval from the hostel administration.

**Official Hostel Groups and Announcements:**

- Official WhatsApp group for hostel residents is available.
- Join the WhatsApp group by asking friends or seniors, requesting a group link, checking official college groups, or contacting hostel administration.

**Information Shared in WhatsApp Group:**

- Administrative updates, event notifications, emergency alerts, facility updates, general queries and discussions, social activities coordination, lost and found notices, rules and guidelines reminders.

**Raising Concerns in WhatsApp Group:**

- Questions and concerns can be raised in the group.

**Monitoring of WhatsApp Group:**

- The group is typically monitored by hostel authorities.

**Contacting the Mess Secretary:**

- Contact directly via call or message or through floor in-charges.

**Responsibilities of Mess Secretary:**

- Coordination of daily meals and menus, handling mess-related complaints, managing meal timings and cleanliness, collaborating with mess staff and administration, ensuring hygiene and safety standards.

**Feedback on Mess Food:**

- Speaking directly to the Mess Secretary.
- Sending an email to the hostel administration.
- Using suggestion boxes/register if available in the mess area.

#### **Changing Mess Menu:**

- Collecting Feedback
- Proposal Submission.
- Submission to Administration
- Review and Approval
- Implementation

#### **Dietary Restrictions or Allergies:**

- Inform the Mess Secretary, provide documentation if needed, discuss alternative meal options, and monitor food preparation.

#### **Reporting Hygiene Issues in Mess:**

- Report issues to the Mess Secretary first, then to hostel administration if no improvement.

#### **Special Meal Arrangements:**

- Special meal arrangements are typically made during festivals or events.

#### **Contacting Floor In-Charges:**

- Contact via call or message.

#### **Responsibilities of Floor In-Charges:**

- Ensuring cleanliness, addressing minor issues, coordinating floor activities, assisting with emergency procedures, and reporting major issues to authorities.

#### **Management of Common Facilities:**

- Managed through regular cleaning schedules, maintenance requests, and coordination by the Floor In-Charge.

#### **CPI-Based Room Allocation:**

- Room allocation based on several factors including availability, seniority, and sometimes CPI. Specific details can vary and are best confirmed by checking the latest guidelines on the official MNNIT website.
- Actually maximum time it is first come first serve allocation. There is no fixed rule of cpi based room allocation.

#### **Preferred Room Allocation CPI:**

- Generally, a CPI above 7.5 is preferred.

#### **Mid-Semester Room Change Based on CPI Improvements:**

- Possible, subject to availability and specific policies.

**Exceptions to CPI-Based Room Allocation:**

- Accommodations for special needs, merit or scholarship recipients, emergency situations, seniority, and administrative discretion.

**Transport Facilities Within Campus:**

- Shuttle services, security escort, bicycle rentals, and ambulances for medical emergencies.

**# Warden of all hostels and chief warden :****Chief Warden:**

- Prof. Naresh Kumar

**Boys Hostel:**

- Dr. Sahadeo Padhye: Warden-In-Charge, Boys Hostel
- Dr. Mitu Mandal: Warden, IHB-Block/Bachelor Flat
- Dr. Neeraj Kumar Choudhary: Warden, M. M. Malviya Hostel
- Dr. Dinesh Singh: Warden, P. D. Tandon Hostel
- Dr. Vinay Kumar: Warden, B. G. Tilak Hostel
- Dr. Ashutosh Mani: Warden, S. V. Patel Hostel
- Dr. Navneet Kumar Singh: Warden, R. N. Tagore Hostel
- Dr. Nitin Singh: Warden, C. V. Raman Hostel
- Dr. Ashutosh Mishra: Warden, Delegacy
- Dr. Jitendra N. Gangwar: Warden, Swami Vivekanand Boys' Hostel
- Dr. Dipesh Shikchand Patle: Warden, New Boys Hostel
- Dr. V.P. Singh: Warden, New Boys Hostel
- Dr. Shubham Gupta: Warden, New Boys Hostel

**Girls Hostel:**

- Dr. Manisha Sachan: Warden-In-charge, Girls Hostel
- Dr. Mitu Mandal: Warden, PG Girls Hostel/SINGH
- Dr. Rajitha B.: Warden, PG Girls Hostel/SINGH
- Dr. Smriti Agarwal: Warden, PG Girls Hostel/SINGH
- Dr. Sweta Tripathi: Warden, KNGH
- Dr. Parul Katiyar: Warden, KNGH
- Dr. Rupika Sinha: Warden, Diamond Jubilee Hostel
- Dr. Pragya Dwivedi: Warden, Diamond Jubilee Hostel

**Wardens on Special Duty:**

- Dr. Divya Kumar: Warden on Special Duty
- Dr. Vishal Kumar Gaur

Refer to the link below for more information.

## **# Sports Facilities in the Girls' Hostels at MNNIT**

- **Badminton Court:**
  - Dedicated court for playing badminton.
- **Table Tennis:**
  - Table tennis facilities available.
- **Garden:**
  - Spacious garden area for relaxation and outdoor activities.
- **Gym Equipment:**
  - Gym equipment for fitness and exercise activities (note: no fully equipped gym).

### **Access to Sports Facilities**

- **Flexible Access:**
  - No specific time allocations; facilities can be used anytime.

### **Gym Availability**

- **Gym Equipment:**
  - Available equipment for fitness and exercise, though not a full gym.

### **Outdoor Sports Facilities**

- **On-Campus Facilities:**
  - Outdoor sports facilities available on campus, but not near the girls' hostels.

### **Booking and Access**

- **No Booking Required:**
  - Facilities can be used anytime without any formalities.

### **Personal Sports Equipment**

- **Bringing Equipment:**
  - Residents can bring their own sports equipment (e.g., badminton rackets, shuttlecocks, basketballs, volleyballs).
  - Musical instruments like guitars are allowed if they do not disturb other residents.

### **Indoor Games**

- **Indoor Games Provisions:**
  - Available games: table tennis, carrom, and chess.
  - Typically found in common areas or recreation rooms within the hostel premises.

### **Maintenance and Issues**

- **Contact for Maintenance:**
  - Contact hostel administration or sports department for issues or maintenance requests.



## **Yoga and Fitness Classes**

- **Yoga and Fitness Classes:**
  - Regularly conducted in the girls' hostels.
  - Organised by hostel administration or in collaboration with fitness instructors.
  - Check the hostel office or notice boards for schedules and registration details.

## **Common Area for Sports Activities**

- **Common Sports Area:**
  - Common area or ground available for all hostel residents to engage in sports activities.

## **Facilities for Differently-Abled Students**

- **Special Facilities:**
  - Accessible sports equipment and modified facilities.
  - Support from trained staff or volunteers for inclusivity in sports activities.
  - No separate accommodations provided to ensure inclusivity with other students.

## **Activities or Events for Hostel Residents:**

- Cultural events, sports tournaments, festivals, skill development workshops, and social gatherings.

## **Support Systems for Hostel Residents:**

- Counselling services, peer support groups, mentorship programs, resident assistants or advisors, academic support, helpline numbers, orientation programs, grievance redressal mechanisms, health services.

## **Reporting Lost and Found Items at MNNIT :**

If you lose an item on campus, you can report it on the designated WhatsApp group for lost and found. If you lose it on the road within the campus, campus guards often keep such items safe. Additionally, items found in general student rooms (GS rooms) and classrooms are typically kept safe by the cleaning staff, who hand them over to their supervisor. You can ask the cleaning staff or their supervisor about your lost item. If the item is important and not found, you can file a complaint.

### **Claim a found item:**

To claim a found item, check the lost and found WhatsApp group for any announcements. If your item was found by campus guards or cleaning staff, you can ask them directly or contact their supervisors.

### **Procedure for reporting stolen property:**

To report stolen property, visit the campus security office and file a formal complaint. Provide detailed information about the stolen item, including when and where it was last seen.

### **Complaint about campus facilities:**

Complaints about campus facilities can be submitted in the designated complaint register available with the caretaker mam or the hostel warden. Make sure to provide detailed information about the issue for proper handling.

#### **Handling student complaints:**

Student complaints are documented in the complaint register or the appropriate reporting platform. These complaints are then reviewed by the concerned authorities, who take the necessary action to address the issue. Follow-ups may be necessary to ensure the complaint is resolved satisfactorily.

#### **Inspection Frequency of Hostel Rooms at MNNIT Allahabad**

Hostel rooms at MNNIT Allahabad are typically inspected periodically to ensure cleanliness and maintenance. The specific frequency of these inspections can vary, but generally, they are conducted as follows:

- **Monthly Inspections:** Routine inspections are often conducted on a monthly basis by the hostel authorities to check for cleanliness, maintenance issues, and adherence to hostel rules.
- **Surprise Inspections:** Occasionally, surprise inspections may be carried out without prior notice to ensure that the hostel standards are being maintained consistently.
- **Pre-scheduled Inspections:** Before major events or the arrival of new students, pre-scheduled inspections may be conducted to ensure that all facilities are in proper order.

#### **Bringing Personal Furniture to the Hostel at MNNIT Allahabad**

Bringing personal furniture to the hostel at MNNIT Allahabad requires approval from the hostel warden or relevant authority. Generally, students can bring essential items such as a study table, stool, or a small bedside table. Due to space constraints, there may be restrictions on the size and quantity of personal furniture allowed. The hostel provides standard furniture, including a bed, study table, chair, and wardrobe, so additional items may not be necessary. Any personal furniture must comply with hostel rules and safety standards. Always check with hostel authorities beforehand to ensure compliance with guidelines.

#### **SUGC and Committee Information:**

- The official website or student portal of MNNIT contains detailed information about the Students' Undergraduate Council (SUGC) and other committees.
- The Senate Undergraduate Committee, hereinafter referred to as SUGC, is established according to the bye-laws of the Senate. The SUGC, is one of the standing committees of the Senate, shall consist of following members:

(i) Chairperson, SUGC nominated by the Senate / Chairperson, Senate from amongst the members of the Senate.

(ii) Outgoing Chairperson, SUGC.

(iii) Chairperson, Senate Masters' Programme Committee (SMPC).

(iv) Two Senate nominees from amongst the Senate members.

(v) Convener, DUGC of all Academic Departments and the Interdisciplinary Programmes.

(vi) Three undergraduate students (one each from second, third and fourth year, and all from different departments and at least one female student). The student members shall be nominated by the Dean (Academic).

The tenure of the Chairperson, SUGC and Senate nominees shall be normally of two years. The tenure of student nominees shall be of one year. The student members shall not participate in SUGC meetings when the case of academic evaluation of a student is being considered, although the students' opinion might be sought prior to taking any decision. The SUGC must meet at least twice in every Semester. The Chairperson, SUGC shall keep record of its decisions. The SUGC shall have jurisdiction in the recommendation of the following matters concerning the Undergraduate Programmes of the Institute:

- Introduction of new Course(s),
- Desirable modification of Courses already approved,
- Modification of the credit value of Courses,
- To help in conducting of oral and written Examinations, award of degree,
- To consider the recommendations of the DUGCs, and
- Other related matters may be referred to by the Senate from time to time.

The functions of the SUGC shall be of general policy determination, coordination and review, however, the Senate shall retain the power of final decision. In the discharge of its responsibilities, the SUGC shall make full use of the appraisals and recommendations of the various Academic Departments.

### **Department Undergraduate Committee (DUGC)**

Each Department shall have a Department Undergraduate Committee, hereinafter, referred to as DUGC, consisting of the following:

- (i) Head of the Department as ex-officio Chairperson.
- (ii) Convener, Department Masters' Programme Committee / Convener, Department Doctoral Programme Committee.
- (iii) Three to five faculty members to be chosen from the Department.
- (iv) One professor from another Department.
- (v) Three Departmental UG students, one each from the second year, third year, and final year of UG Programmes offered by the Department, respectively. The student members shall be nominated for a period of one year.
- (vi) Convener, DUGC is to be nominated by the Head of the Department among the faculty members of the Department.

The faculty members from the Department shall comprise at least one Professor (if available), one Associate Professor, and one Assistant Professor. The Convener, DUGC and other members of the DUGC shall be proposed by the Head of the Department along with the recommendation of the Departmental faculty advisory committee for a term of two years starting from the month of July of the Academic Session.

The proposed DUGC shall be approved by the Chairperson, SUGC. The DUGC shall be responsible for the following:

- a) monitoring the quality of instructions to students.
- b) proposing and implementing new Courses and desirable modification of courses already approved.
- c) attending to the problems of UG students and advising them in academic matters. d) coordinating grade submission to the office of Dean (Academic).
- e) obtaining feedback of the performance appraisal of the Course Instructors from the students in the prescribed format [Form: BP-01 & BP-02].
- f) advising the students with regard to opting online courses or courses offered by other Institutions.
- g) mapping the marks/ grades earned by students under Clause (vi) as above, for preparation of grade sheets.
- h) advising students for selection of minor, core engineering supported courses, Honours Research courses & processing the allotment of these courses in association with the Dean academic office. Associated modalities will be evolved by the concerned departments as per the requirements.

### # Coding Culture at MNNIT Allahabad

The overall coding culture at MNNIT Allahabad is vibrant and competitive, characterised by active participation in coding contests, hackathons, and coding clubs that foster a strong community of aspiring programmers. Students have access to several coding clubs and societies that enhance their skills and provide a collaborative learning environment:

- **Coding Club MNNIT:** Facilitates workshops, coding competitions, and hackathons to promote coding skills and collaboration.
- **Google Developer Student Clubs (GDSC):** Organises workshops, coding sessions, hackathons, and tech talks related to Google technologies and software development.
- **IEEE Computer Society:** Conducts coding competitions, workshops, seminars, and conferences on computer science and technology.
- **Cybersecurity Club:** Focuses on cybersecurity education through workshops, seminars, and hands-on training sessions.

Students can join these clubs by participating in their events, such as workshops and seminars. Specifically, for GDSC, students must attend workshops regularly and pass multiple rounds of questioning to become a member.

The coding clubs at MNNIT provide various forms of support:

- **Skill Development:** Organise workshops and training sessions on programming languages, algorithms, and data structures.
- **Competitive Programming:** Conduct coding contests to enhance problem-solving skills.

- **Networking:** Facilitate interactions with industry professionals through guest lectures and tech talks.
- **Project Guidance:** Offer mentorship for coding projects and hackathons.
- **Community Building:** Create a supportive environment for collaboration and knowledge sharing.

MNNIT hosts regular coding competitions and hackathons, such as Hack 36, providing opportunities for students to showcase their skills. Students from all branches are encouraged to participate, promoting interdisciplinary collaboration.

Hack 36, the second edition of the hackathon at MNNIT Allahabad, was organised under the aegis of the Computer Science and Engineering Department. It brought together budding hackers and developers for a feast of thirty-six continuous hours.

Resources provided by the institute include:

- **Access to Online Platforms:** Such as CodeChef, LeetCode, and HackerRank for practice.
- **Coding Contests:** Regular intra-college and inter-college competitions.
- **Workshops and Seminars:** Conducted by coding clubs and the Computer Science department.
- **Library Resources:** Books, journals, and online materials on programming languages and algorithms.
- **Guest Lectures:** Featuring industry experts and alumni on emerging trends and best practices.

Workshops and seminars are organised for beginners to develop their coding skills. To improve coding skills at MNNIT, students can:

- Participate in coding competitions and hackathons.
- Join coding clubs like CodeChef MNNIT Chapter or ACM Student Chapter.
- Attend workshops and seminars on programming languages and algorithms.
- Practise regularly on online platforms like LeetCode and HackerRank.
- Collaborate with peers on coding projects and challenges.

The **CodeChef MNNIT** Chapter is a student-led organisation that organises activities related to competitive programming and coding skills development. Programming languages taught in the curriculum include **C/C++, Python, Java, SQL, HTML, CSS, JavaScript, and more.**

Opportunities for collaboration on coding projects are available through:

- Coding clubs and societies like ACM Student Chapter or IEEE Computer Society.
- Hackathons and coding competitions encouraging team projects.
- Networking with peers in workshops, seminars, and coding events.
- Utilising shared spaces and resources provided by the college.

Faculty recommend platforms like **CodeChef, HackerRank, LeetCode, HackerEarth, TopCoder, and GeeksforGeeks** for practising coding problems. Peer-to-peer coding mentorship programs are available, where senior students mentor juniors.

At MNNIT, students typically work on a variety of coding projects, including:

- **Web Development:** Building websites and web applications.
- **Mobile Apps:** Developing apps for Android and iOS.
- **Machine Learning:** Creating models for data analysis and prediction.

- **Game Development:** Designing and programming games.
- **Competitive Programming:** Solving complex algorithmic problems.
- **IoT Projects:** Integrating hardware and software for smart devices.

MNNIT students have excelled in several major coding competitions, including:

1. ACM International Collegiate Programming Contest (ICPC)
2. Google Code Jam
3. Google Hash Code
4. Facebook Hacker Cup
5. CodeChef Long Challenge and Cook-Offs
6. HackerRank Contests
7. TopCoder Competitions

Success stories of alumnus of MNNIT:

- **Dr. Amit Shukla** has been appointed the next Dean of the College of Science and Engineering, Seattle University, United States.
- **Mr. Ravi Teja Bommireddipalli**, MD & CEO, Robosoft

Coding plays a significant role in campus placements at MNNIT. Key points include:

- **Technical Interviews:** Coding skills are heavily tested in technical interviews by major recruiters.
- **Aptitude Tests:** Many companies use coding aptitude tests as part of their selection process.
- **Project Evaluation:** Coding projects and internships are crucial for showcasing practical skills to potential employers.
- **Higher Packages:** Strong coding abilities often lead to offers with higher salary packages and positions in top tech companies.

Overall, proficiency in coding greatly enhances job prospects for MNNIT students during campus placements.

**Participating in coding contests is important for securing good placements at MNNIT because it:**

- Demonstrates problem-solving skills and coding proficiency.
- Enhances competitive programming abilities, which are valued by recruiters.
- Provides practical experience in tackling real-world coding challenges.
- Increases visibility and credibility among potential employers in the tech industry.

MNNIT organises guest lectures and industry interactions related to coding and software development. These events often feature:

- **Guest Speakers:** Professionals from leading tech companies sharing insights on trends, technologies, and career opportunities.
- **Workshops:** Hands-on sessions focusing on specific coding languages, tools, or development practices.
- **Seminars:** Discussions on emerging topics in software engineering, AI, machine learning, and more.

Coding clubs at MNNIT organise various events and activities such as:

- **Coding Competitions:** Regular contests to practise and improve coding skills.
- **Workshops:** Sessions on programming languages, algorithms, and software development tools.
- **Hackathons:** Intensive events where participants collaborate to solve coding challenges within a specified time frame.
- **Guest Lectures:** Talks by industry experts on current trends and career opportunities in coding.
- **Coding Challenges:** Challenges focused on specific problem-solving techniques and algorithms.

Financial support is available for students participating in national or international coding competitions.

Commonly used tools and software in coding clubs at MNNIT include:

- **Integrated Development Environments (IDEs):** Such as Visual Studio Code, IntelliJ IDEA, and Eclipse.
- **Version Control Systems:** Like Git and GitHub for collaborative coding and project management.
- **Online Judge Platforms:** Such as CodeChef, HackerRank, and LeetCode for practising coding problems.
- **Programming Languages:** Such as C++, Java, Python, and JavaScript, depending on the focus of the club activities.
- **Collaboration Tools:** Such as Slack, Discord, and Google Meet for communication and organising events remotely.

Online courses and certifications recommended by MNNIT include platforms like **Coursera, edX, Udacity, Codecademy, LinkedIn Learning, and Udemy**. Coding clubs help prepare for technical interviews through mock interviews, guidance on coding problems, practice sessions, workshops, and peer-to-peer feedback.

Specific coding competitions for first-year students at MNNIT typically include:

- **Intra-College Contests:** Organised within the college to introduce basic coding concepts and foster interest among freshmen.
- **Introductory Hackathons:** Events aimed at encouraging teamwork and problem-solving skills in a supportive environment.
- **CodeChef Campus Chapters Contests:** Hosted by the CodeChef MNNIT Chapter to familiarise new students with competitive programming.

Interaction between juniors and seniors in the coding community at MNNIT is typically characterised by:

- **Mentorship:** Seniors often mentor juniors, providing guidance and sharing their experiences in coding and competitive programming.
- **Collaboration:** They collaborate on coding projects, hackathons, and workshops, fostering a supportive learning environment.
- **Knowledge Sharing:** Seniors share resources, tips, and coding techniques with juniors to help them improve their skills.
- **Networking:** Juniors and seniors network during club activities, competitions, and social events, building connections within the coding community.

To stay updated on coding events and opportunities at MNNIT:

- Join coding clubs and subscribe to newsletters and updates.
- Follow official social media channels and community pages.
- Attend workshops and seminars.
- Check campus notices and emails from the college.
- Engage with peers in study groups and coding sessions.

### # NEP 2020 Implementation:

The National Education Policy (NEP) 2020 was introduced to modernise India's education system, making it more holistic, flexible, and aligned with global standards. Key changes include:

- **New Structure:** Replacing the 10+2 system with a 5+3+3+4 system.
- **Early Childhood Care:** Focus on education for children aged 3-6 years.
- **Vocational Education:** Starting from Grade 6.
- **Higher Education Reforms:** Multidisciplinary institutions, flexible courses, and a single regulatory body.
- **Teacher Training:** Four-year B.Ed. as the minimum qualification.
- **Technology in Education:** Promoting digital learning and e-courses in regional languages.
- **Assessment:** Competency-based assessments over rote learning.

NEP 2020 aims to improve quality, accessibility, and employability in education. The New Education Policy (NEP) came into existence in 2020 and was implemented in the 2023-2024 academic year at MNNIT, including syllabus updates and restructuring of the grade system. It focuses on covering the pitfalls of the Indian educational system and removing the concept of rote learning.

The NEP 2020 introduces several changes to the engineering curriculum:

- **Multidisciplinary Approach:** Encourages integration of humanities, social sciences, and arts with engineering education.
- **Flexible Curricula:** Offers more elective courses and interdisciplinary projects.
- **Emphasis on Research:** Promotes undergraduate research opportunities.
- **Updated Content:** Regular updates to keep pace with technological advancements.
- **Focus on Practical Skills:** Enhances practical and hands-on learning through internships and industry collaboration.

The NEP 2020 affects the semester structure of the engineering curriculum with the following key changes:

- **Flexible Curricula and Credit Systems:** Allows students to choose courses across disciplines and earn credits through varied learning modes.
- **Multiple Entry and Exit Options:** Provides multiple entry and exit points in degree programs, allowing students to earn certificates, diplomas, or degrees depending on the duration of their study.
- **Interdisciplinary and Holistic Education:** Promotes interdisciplinary education and a more holistic learning experience.
- **Focus on Practical and Skill-Based Learning:** Emphasises practical sessions, internships, and project-based learning within the semester structure.
- **Enhanced Use of Technology:** Includes more online courses and resources.
- **Exit with Certification:** Students can exit with a certificate (after 1 year), a diploma (after 2 years), or a Bachelor's degree (after 3 or 4 years).



The NEP introduces several new scholarship opportunities, including:

- **MERIT (Merged Scholarships):** Merges existing scholarships for SCs, STs, and OBCs into a single scheme.
- **National Scholarship Portal (NSP):** Emphasises the use of the NSP for disbursement of scholarships.
- **Scholarships for Higher Education:** Increases availability of scholarships for economically disadvantaged students.
- **Scholarships for Girls:** Provides scholarships specifically for girls to encourage their participation in higher education.

The NEP affects the engineering curriculum's examination system in several ways:

- **Continuous Assessment:** Emphasises continuous and comprehensive evaluation throughout the semester.
- **Holistic Development:** Focuses on assessing a broader range of skills, including critical thinking, problem-solving, and creativity.
- **Flexible Exams:** Introduces modular exams, allowing students to take exams in smaller units.
- **Reduced Stress:** Reduces emphasis on rote learning and high-stakes exams.
- **Multidisciplinary Approach:** Designs exams to evaluate knowledge and skills across various disciplines.
- **Technology Integration:** Increases use of technology for assessments.
- **Skill-Based Assessment:** Emphasises vocational and skill-based training assessments.
- **Inclusive Assessments:** Adopts inclusive assessment methods to cater to diverse learning needs and abilities.

The NEP addresses mental health and student well-being through:

- **Counselling Services:** Establishment of counselling centres and trained counsellors.
- **Awareness Programs:** Mental health awareness programs and workshops.
- **Reduced Exam Stress:** Continuous and comprehensive evaluation to reduce stress.
- **Holistic Education:** Inclusion of physical education, yoga, and life skills.
- **Inclusive Environment:** Supportive learning environment for diverse needs.
- **Teacher Training:** Training teachers to recognize and support mental health issues.
- **Peer Support:** Encouragement of peer support programs.
- **Flexible Learning:** Flexible learning options to reduce academic pressure.
- **Life Skills Education:** Incorporation of life skills into the curriculum.
- **Parental Involvement:** Encouraging parental involvement and communication.

The NEP will affect campus placements and career services by:

- **Skill Development:** Emphasising practical and vocational skills.
- **Internships and Industry Linkages:** Strengthening partnerships with industries.
- **Holistic Education:** Focusing on overall development, including soft skills and interdisciplinary knowledge.
- **Continuous Assessment:** Providing a comprehensive evaluation of student capabilities.
- **Entrepreneurship Support:** Encouraging entrepreneurial skills.
- **Career Counselling:** Enhancing career counselling services.
- **Lifelong Learning:** Promoting lifelong learning opportunities.

The NEP introduces changes in the credit system and academic flexibility:

- **Credit Transfer:** Allows for credit transfer between institutions.
- **Multidisciplinary Courses:** Encourages taking courses across different disciplines.
- **Flexible Curriculum:** Offers flexible course selection and customised learning paths.
- **Multiple Entry and Exit Points:** Permits students to enter and exit programs at various stages with appropriate certification.
- **Choice-Based Credit System (CBCS):** Implements a choice-based credit system for more personalised education.

Before NEP:

- **Fixed Curriculum:** Limited flexibility with a set sequence of courses.
- **Discipline-Specific:** Focused mainly on core engineering subjects.
- **Rigid Credit System:** Strict credit requirements with minimal interdisciplinary options.
- **Limited Practical Exposure:** Emphasis on theoretical knowledge over practical skills.
- **Single Exit Point:** Completion of a degree required finishing the entire program.

Changes Expected with NEP:

- **Flexible Curriculum:** Increased flexibility with elective and multidisciplinary courses.
- **Interdisciplinary Approach:** Encouragement to take courses from different disciplines.
- **Credit Transfer:** Ability to transfer credits between institutions.
- **Practical and Vocational Training:** Greater emphasis on practical skills and internships.
- **Multiple Entry and Exit Points:** Options to enter and exit programs at various stages with relevant certifications.
- **Holistic Education:** Inclusion of soft skills, life skills, and holistic development courses.

## # Achievements and Awards in Chemical and Biotechnology Departments at MNNIT Allahabad

### 1. Best Paper Awards:

- **"An in-depth analysis of biochar synthesis via slow pyrolysis of banana agro-residue"** by Ankita Tagade, Saurav Kandpal, and Ashish N. Sawarkar was awarded as BEST PAPER at the National Conference on Recent Trends in Biotechnology Research (HAPTEN2024).
- **"Novel rotary kiln reactor for biochar production"** by Saurav Kandpal, Ankita Tagade, and Ashish N. Sawarkar received BEST PAPER AWARD at the International Conference on Advancement in Energy (ऊर्जाSangam-2023).

### 2. Individual Achievements:

- **Saurav Kandpal (M.Tech. II year):** Received BEST PAPER AWARD at both HAPTEN2024 and ऊर्जाSangam-2023.
- **Ankita Tagade (PhD Scholar):** Multiple awards for best paper and oral talks in national conferences.
- **Lakshmi Rajpoot (M.Tech. 2021-22):** Adjudged with Ambuja's Young Researcher's Award for her thesis under Dr. Ashish N. Savarkar.

### 3. Faculty Honors:

- **Dr. Ashish N. Sawarkar:**
  - Elected as Fellow of Indian Institute of Chemical Engineers (IICChE).
  - Conferred with "Biotechnology Research Excellence Award" by the Biotech Research Society of India.
  - Featured in Stanford University's list of TOP 2% SCIENTISTS WORLDWIDE for 2023.
- **Dr. N.K. Singh:** Conferred with "Biotechnology Research Excellence Award" and "Dr. Ziauddin Ahmad Vishist Krishi Vaigyanic Puraskar."

#### 4. Research Publications and Citations:

- **"Pyrolysis of garlic husk biomass"** and **"Kinetics of co-gasification of rice husk biomass"**: Featured in the most cited articles in Bioresource Technology Reports.

For more details, visit the <http://www.mnnit.ac.in/index.php/achievements-awards>

#### # Some good places to visit near Prayagraj with friends include:

1. **Ayodhya**: A city of great religious significance, known for Ram Janmabhoomi, Hanuman Garhi, and the Ghats along the Sarayu River.
2. **Varanasi (Kashi)**: One of the oldest cities in the world, famous for its ghats, Kashi Vishwanath Temple, and vibrant cultural heritage.
3. **Lucknow**: The capital city of Uttar Pradesh, known for its historical landmarks such as Bara Imambara, Rumi Darwaza, and its rich culinary traditions.
4. **Chitrakoot**: Known for its religious significance and natural beauty, including waterfalls and caves.
5. **Vindhyachal**: A pilgrimage site dedicated to Goddess Vindhyavasini, known for its scenic beauty and temples.
6. **Kaushambi**: An ancient city with historical and archaeological significance, including ruins and stupas.
7. **Shringverpur**: A historical village associated with Lord Rama, known for its archaeological sites and the Shringverpur Temple.
8. **Varanasi**: One of the oldest living cities, known for its ghats, temples, and cultural heritage.
9. **Sarnath**: A significant Buddhist site where Lord Buddha delivered his first sermon, with stupas and museums.
10. **Rewa**: Known for the Rewa Fort, Keoti Falls, and the White Tiger Safari.
11. **Khajuraho**: Famous for its stunning temples with intricate erotic sculptures and a UNESCO World Heritage Site.
12. **Banda**: Known for its historical forts, such as Kalinjar Fort, and scenic landscapes.
13. **Mirzapur**: Known for its temples, waterfalls, and the scenic Vindhya Range.
14. **Lakhaniya Dari Waterfall**: A scenic waterfall known for its natural beauty and a popular spot for picnics and outings.

#### # Estimated Per Pocket Cost to Visit Nearby Places and Budget-Friendly Options:

##### Transport options:

- Train
- Bus
- Traveller
- Shared taxi

// If you are searching for budget friendly options you can go by train or bus . But if you are travelling with a group of 10-12 people then a traveller can be the best option .

// If you are planning to visit places like Ayodhya, Chitrakoot, Vindhyachal, Varanasi or other locations near Allahabad, the travel cost for a group of 10-12 people would be around 8-10k per person. Travelling in a group and hiring a traveller can be the best option as it allows you to share expenses and enjoy the journey together.

// For places like Nainital or Mussoorie, the best option from Allahabad would be to travel by train. Taking a train from Allahabad to a nearby station like Kathgodam (for Nainital) or Dehradun (for Mussoorie) would be a convenient option. Train tickets typically range from Rs. 500 to Rs. 2000 or more, depending on the class of travel and train type.

**Stay Options:**

You can check on **makemytrip** for hotels according to your budget.

**Estimated expenses (per head):****Varanasi:**

- Transport: Train or bus: Rs. 200 - Rs. 600
- Accommodation: Budget hotels: Rs. 500 - Rs. 1500 per night
- Food: Rs. 200 - Rs. 500 per day
- Total (2 days): Rs. 2000 - Rs. 4000

**Lucknow:**

- Transport: Train or bus: Rs. 200 - Rs. 700
- Accommodation: Budget hotels: Rs. 500 - Rs. 1500 per night
- Food: Rs. 200 - Rs. 500 per day
- Total (2 days): Rs. 2000 - Rs. 4500

**Ayodhya:**

- Transport: Train or bus: Rs. 200 - Rs. 500
- Accommodation: Budget hotels: Rs. 500 - Rs. 1500 per night
- Food: Rs. 200 - Rs. 500 per day
- Total (2 days): Rs. 2000 - Rs. 4000

**Nainital:**

- Transport: Train to Kathgodam + bus/taxi: Rs. 1000 - Rs. 2000
- Accommodation: Budget hotels: Rs. 1000 - Rs. 3000 per night
- Food: Rs. 300 - Rs. 600 per day
- Total (3 days): Rs. 4600 - Rs. 10800

**Mussoorie:**

- Transport: Train to Dehradun + bus/taxi: Rs. 1000 - Rs. 2000
- Accommodation: Budget hotels: Rs. 1000 - Rs. 3000 per night
- Food: Rs. 300 - Rs. 600 per day
- Total (3 days): Rs. 4600 - Rs. 10800

**Chitrakoot:**

- Transport: Train or bus: Rs. 200 - Rs. 500
- Accommodation: Budget hotels: Rs. 500 - Rs. 1500 per night
- Food: Rs. 200 - Rs. 500 per day
- Total (2 days): Rs. 1000 - Rs. 3000

**Mathura:**

- Transport: Train or bus: Rs. 400 - Rs. 1000
- Accommodation: Budget hotels: Rs. 500 - Rs. 1500 per night
- Food: Rs. 200 - Rs. 500 per day
- Total (2 days): Rs. 2000 - Rs. 3500

**Vindhyachal:**

- Transport: Train or bus: Rs. 200 - Rs. 700
- Accommodation: Budget hotels: Rs. 500 - Rs. 1500 per night
- Food: Rs. 200 - Rs. 500 per day
- Total (2 days): Rs. 1500 - Rs. 3000

## # Enactus Club MNNIT :

### Who We Are

Enactus is the world's largest experiential learning platform, dedicated to creating a better world while developing the next generation of entrepreneurial leaders and social innovators. The Enactus network of global business, academic, and student leaders share a vision of creating a more sustainable world. With 72,000 students across 1,730 campuses in 36 countries, Enactus positively impacts the lives of 1.3 million people annually. Guided by educators and supported by business leaders, students identify community issues and implement solutions through impactful projects.

### What We Do

Enactus students worldwide demonstrate that business can inspire hope, create opportunities, and ultimately improve lives and strengthen communities. By helping others, students develop stronger business and leadership skills and a sense of service and responsibility. They emerge as leaders who understand the potential for business to make positive economic, social, and environmental impacts. Their achievements tell the story of Enactus' success.

### Where We Work

Enactus has established the largest global business and higher education network, bringing together professional business educators and business leaders to prepare university students for leadership roles. This unique network supports the potential of students to make a significant impact through their projects.

### Projects at Enactus MNNIT

Enactus MNNIT combines technology with innovative ideas and entrepreneurial actions to benefit society. Here are some of their key projects:

#### Project Neer (Mud Pot Filter Project)

- **Vision:** Provide clean drinking water and uplift the potter community.
- **Motivation:** Address water issues in Prayagraj caused by hand pumps and borewells.
- **Objectives:** Increase access to safe, sustainable water using cost-effective ceramic mud pot filters, and support the potter community by connecting them with the market.

#### Project Sahyog

- **Vision:** Enhance and strengthen initiatives by government and non-government bodies through synergy and training.
- **Motivation:** Bridge the gap caused by lack of awareness and information in underprivileged segments.
- **Goals:** Conduct training camps for rural youth on digital services, organise awareness campaigns about livelihood schemes, and support government bodies through R&D.

### **Project Moonj**

- **Vision:** Empower indigenous Moonj-based handicrafts, facing challenges over the years.
- **Motivation:** Revitalise the Moonj Craft in Naini, Allahabad, known for eco-friendly products.
- **Goals:** Tackle supply chain, marketing, promotion, and technological challenges to restore the craft's glory.

### **Project Samavesh (Paper Bag Project)**

- **Vision:** Create a viable alternative to polythene bags, focusing on community empowerment and self-reliance.
- **Motivation:** Transform discarded newspapers into profitable assets.
- **Goals:** Empower women by providing necessary aids and enhancing their skills.
- **Final Product:** Eco-friendly, durable paper bags made from discarded newspapers, with strings for better grip and wheat paste for sturdiness.

**Instagram:** enactus\_mnnit

**Website:** <https://enactus-mnnit.netlify.app/>