मोतीलाल नेहरू राष्ट्रीय प्रौद्योगिकी संस्थान इलाहाबाद

प्रयागराज – 211004, उत्तर प्रदेश, भारत

Motilal Nehru National Institute of Technology Allahabad

Prayagraj – 211004, Uttar Pradesh, INDIA



INFORMATION BROCHURE

for the admission to

PhD Programme

Academic Session 2026-27

(Even Semester)

प्रवेश प्रकोष्ठ
अधिष्ठाता (शैक्षणिक) कार्यालय

Admission Cell
Office of the Dean (Academic)

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- The candidates are advised to read information brochure carefully and visit our admission portal: **https://mnnitadm.samarth.edu.in/** regularly for updates.
- In case of any legal dispute related to admission, the jurisdiction will be limited to courts in Prayagraj only (Lower, District and High Court) and will not be subject to the jurisdiction of any other courts outside Prayagraj.

1. Admission Categories of Ph.D. Research Scholars

All the Departments offer full-time and part-time Doctoral Programmes under following categories. The course code is also given in the table below:

Sl. No.	Course Category	Course Code	Course Category Details	Mandate of GATE/NET requirement
(i)	Institute Stipendiary Full-Time Research Scholar	**11**	Students with Institute fellowship on a Semester–to-Semester basis on the satisfactory academic performance, as per PhD Ordinance of the Institute.	**YES**
(ii)	Sponsored Full-Time Research Scholar	**12**	Receiving fellowship from agencies such as CSIR / UGC / ICAR / ICMR / DST / DRDO / NPCIL / GPAT / similar national level entrance tests in relevant discipline.	**NO**
(iii)	Sponsored Part-Time Research Scholar	**13**	Employees of Government / Semi-Government Organizations / R&D Organizations or government academic institutions. Industry / academic institution of repute with minimum standing of 10 years.	**NO**
(iv)	Faculty / Staff / Sponsored Project Fellow of MNNIT Allahabad: Part-Time Research Scholar, with/without GATE/NET	**14**	Faculty / Staff / Sponsored Project Fellow of MNNIT Allahabad, with/without GATE/NET.	**NO** *[Refer to Section-6 (Point-4)]*
(v)	Self-financed Full-Time Research Scholars	**15**	Self-financed full-time research scholars are those who support themselves. They shall not receive any financial support from the Institute in any form.	**NO**

Institute Stipendiary Full-Time Research Scholar (Course Code: 11)

These scholars shall be eligible for financial assistance in the form of fellowship at the approved rates and guidelines as notified by Government from time to time. The maximum age limit of the candidate should be within 35 years (up to the last date of application). In addition, a 05 years

age relaxation will be provided to the OBC-NCL / SC / ST / PwD and Women candidates. The fellowship shall be awarded to the students of this code on a Semester–to-Semester basis on the satisfactory academic performance of the scholar, as per PhD Ordinance of the Institute.

The scholar shall be eligible for enhanced financial assistance in the form of fellowship as per the guidelines notified by the Government of India from time to time.

The sanction of enhancement of Ph.D. Scholarship may be considered w.e.f. due date of enhancement of Ph.D. Scholarship, provided the performance evaluation is completed within one month of due date of enhancement of PhD Scholarship. For all other cases the sanction of enhancement of Ph.D. Scholarship will be as per the date of performance evaluation.

Sponsored Full-Time Research Scholar (Course Code: 12)

Under this code those students who receive fellowship from other agencies such as UGC, CSIR, Ph.D, DST, AICTE, etc are covered. Such candidates shall have to fulfill the eligibility requirement as per the PhD Ordinance of the Institute. It also includes QIP candidates. The candidate may be allowed to continue his/her research work with sponsored fellowship even after submission of the Ph.D. Thesis till the duration of the award of the fellowship.

Sponsored Part-Time Research Scholar (Course Code: 13)

Under this code, employees of Government/Semi-Government Organizations /R&D Organizations or government academic institutions shall be eligible. Further the employees of industry/academic institution of repute with minimum standing for 10 years shall also be eligible. Such candidates must fulfill the following conditions:

(A) The candidate must have a total work experience of at least 05 years with a minimum of 03 years continuous service with any employer.

(B) The candidate must submit a No Objection Certificate from the employer at the time of interview.

Candidates may also be admitted under this code under MoU signed between the Institute and other University/Organization/Institution/Industry. The eligibility criteria mentioned in point (A) above and the requirement of 10 years of standing of industry/academic institution of repute will not be applicable to such candidates.

Faculty/Staff/Sponsored Project Fellow of MNNIT Allahabad: Part-Time Research Scholar, with/without GATE/NET (Course Code: 14)

Under this code Faculty/Staff/Project Fellow of MNNIT Allahabad shall be admitted as part time research scholar. Project Fellows include those who are working in the various externally funded research projects undertaken by the Institute. Eligibility criteria shall be same as per PhD Ordinance of the Institute. Project fellows shall be registered under the PI (s)/ Co- PIs in the same department where the Project has been sanctioned.

Self-financed Full-Time Research Scholars (Course Code: 15)

Self-financed full-time research scholars are those who support themselves. They shall not receive any financial support from the Institute in any form.

NOTE: *The candidates in respective categories are required to fulfill the eligibility requirement mentioned in the Section 2 (i.e. Eligibility Criteria for Admission).*

Students from Abroad

The eligibility of students from Abroad shall be verified by DDSC as per the PhD Ordinance of the Institute. Valid GRE score will be applicable for these candidates.

Sponsored foreign students

Foreign students shall be sponsored by their Government or employer or awarded scholarship by Government of India, Indian Council for Culture Relations (ICCR) or other such Agencies /organizations. These students may apply to the Institute through DASA/Ministry of External Affairs

Self-Financed foreign students

These students may apply to the Institute through DASA/ Ministry of External Affairs.

2. Eligibility Criteria for Admission

1. The eligibility conditions given below shall be considered to be the absolute minimum. Departments shall reserve the right to prescribe any requirements over and above these, subject to the approval of the SDPC.

2. The "specified minimum" marks/CPI (Cumulative Performance Index), referred to in subsequent sections shall imply a minimum of 60% aggregate marks or CPI of 6.5 at qualifying Examination. For SC/ST/PwD candidate's eligibility in specified minimum marks/CPI shall be relaxed as per the Government of India norms (55% aggregate marks or CPI of 6.0). (Institute will not apply/accept any conversion formula from CPI to percentage or vice-versa. The grade/marks awarding system as appeared on the candidate's award sheet shall be acceptable).

3. Reservation in the Programme shall be done as per the Government of India Rules across the Institute.

4.1 Ph.D. in Engineering

Master Degree in relevant branch of Engineering/Technology with marks not below 60% or CPI 6.5 (In case of SC/ST/PwD marks not below 55% or CPI 6.0)

or

Bachelor's Degree in Engineering or Master's Degree in Science/Applied biological sciences/Computer Application or any appropriate discipline or equivalent with a minimum 70% marks or CPI 7.5 (In case of SC/ST/PwD marks not below 65% or CPI 7.0).

4.2 Ph.D. in Management, Humanities and Social Science

Master's Degree in Management / Technology / Engineering / Economics / Commerce / Science / Computer Applications / Social Science / Humanities with a minimum 60% marks or equivalent CPI 6.5 (In case of SC/ST/PwD marks not below 55% or CPI 6.0).

or

Bachelor's Degree in Engineering or equivalent with a minimum 70% marks or CPI 7.5 (In case of SC/ST/PwD marks not below 65% or CPI 7.0) or Qualified Chartered Accountant (CA) having minimum three years of professional experience as practicing Chartered Accountant with minimum 60% marks or equivalent CPI 6.5 (In case of SC/ST/PwD marks not below 55% or CPI 6.0) at both graduation level, as well as CA Examination.

4.3 Ph.D. in Sciences

Master's Degree in relevant discipline with a minimum 60% Marks or CPI 6.5 (In case of SC/ST/PwD marks not below 55% or CPI 6.0).

or

Bachelor's Degree in Engineering or equivalent with marks not below 70% or CPI 7.5 (In case of SC/ST/PwD marks not below 65% or CPI 7.0).

4.4 Ph.D. in Geographic Information System (GIS) Cell

M.Tech. or equivalent degree in GIS & Remote Sensing or equivalent discipline/Civil Engineering/ Computer Science and Engineering /Electronics Engineering /Electrical Engineering / Mechanical Engineering /Information Technology /Agriculture Engineering /Mining Engineering; with minimum marks 60% or CPI 6.5 (In case of SC/ST/PwD marks not below 55% or CPI 6.0).

or

M.Sc. or equivalent degree in GIS & Remote Sensing/Applied Geology/ Geophysics/Geography/ Environmental Science/Computer Science/Mathematics with minimum marks 70% or CPI 7.5 (In case of SC/ST/PwD marks not below 65% or CPI 7.0).

or

Degree in Master of Computer Application with minimum marks 70% or CPI 7.5 (In case of SC/ST/PwD marks not below 65% or CPI 7.0).

or

Bachelor's degree in Engineering with a minimum of 70% marks or CPI 7.5 (In case of SC/ST/PwD marks not below 65% or CPI 7.0)

(Candidates meeting above mentioned eligibility criteria must have Mathematics as subject up to 10+2 level)

NOTE: *For foreign students, valid GRE will be applicable in place of GATE/NET/etc.*

3. Department wise Area of Research

Name of the Department / School / Cell	Department wise Area of Research
Applied Mechanics (For All Course Categories)	1. **Solid Mechanics** (including its all allied / related sub-areas and interdisciplinary areas like ***Computational Solid Mechanics, AI/ML in Solid Mechanics, Metamaterials***). 2. **Materials Engineering** (including its all allied / related sub-areas and interdisciplinary areas). 3. **Fluids Engineering** [including its all allied / related sub-

	areas and interdisciplinary areas like ***Multiphysics Simulation, Nanofluidics and Nanoparticle Transport, Fluid Flow and Heat Transfer in Micro-channels, AI/ML in thermo-fluids, Thermal Engineering, Lattice Boltzman Method (LBM) for fluid flows, Rarefied Gas Dynamics, Fluid-structure interaction, Multiphase Flow, Compressible Flow***]. 4. **Biomedical Engineering** (including its all allied / related sub-areas and interdisciplinary areas like ***Cancer Biophysics, Biomechanics, Computational and Mathematical Modeling, AI/ML Applications in Cancer Biology, Bio-medical device***).
Biotechnology **(For All Course Categories)**	Environmental Biotechnology and Microbiology, Bioremediation, Biofilms, Biofuels, Algal Biorefinery, Waste-water treatment, Plant Microbe Interactions Agriculture Biotechnology, Plant genetics and genomics, Bioprocess Engineering and Technology, Enzymology, Bioenergy and circular economy, Nano biotechnology, Biosensing and Point of care diagnostics, Nano-therapeutics, Cancer Biology and Cancer Epigenetics, Gene Regulation, Molecular diagnostics, Exosomes-based cancer biomarker(s), Bioinformatics and Computational Biology, Omics technology, Quorum Sensing, Host-Immune Interaction, Infections and Therapy, Medical Biotechnology, Immunology of intracellular infection, Biomaterial and Tissue engineering, and all other disciplines related to biotechnology as well as allied fields.
Chemical Engineering **(For All Course Categories)**	**In the field of Engineering:** Process Modelling and Simulation; Microfluidic Devices and Micro-Structured Reactor; Computational Fluid Dynamics; Process Control; Molecular simulation; Biochemical Engineering; Biotechnology; Bioprocess Engineering; Fluid Engineering; Electrochemical Engineering; Pyrolysis and Gasification; Membrane Separation; Thermal Engineering; Environmental Engineering; Energy Engineering; AI & ML; Agricultural Engineering; Food Engineering; Materials Engineering; Pharmaceutical Science and Engineering; Rural Technology; and any other relevant discipline in Chemical Engineering & Technology (all allied branches). **In the field of Science:** Industrial Chemistry; Applied Chemistry; Physical Chemistry; Environmental Science; Fluid Dynamics; Nanotechnology; Food Science; Material Science; Biotechnology; and any other relevant discipline.
Chemistry	**<u>For Course Category: 11, 13, 14 & 15</u>** 1. Chemistry of metal alkoxides as precursors in SOL-GEL Process for metal/mixed metal oxides. 2. Synthesis of heterogeneous metal oxide catalysts for organic reactions. 3. Synthesis of Highly Fluorescent Molecules/ Drugs; Protein Sensing; Drug-Protein and Drug- DNA interaction; targeted organelle imaging. 4. Synthesized organic molecules used for optical sensing of analytes.

	<u>For Course Category: 12</u> 1. Chemistry of metal alkoxides as precursors in SOL-GEL Process for metal/ mixed metal oxides. 2. Synthesis of heterogeneous metal oxide catalysts for organic reactions. 3. Synthesis of Highly Fluorescent Molecules/ Drugs; Protein Sensing; Drug-Protein and Drug- DNA interaction; targeted organelle imaging. **(For category-12, NET-JRF candidate in Chemical science as well as Life Science may apply).** 4. Synthesized organic molecules used for optical sensing of analytes. **(For category-12, NET-JRF candidate in Chemical science as well as Life Science may apply).**
Civil Engineering **(For All Course Categories)**	Structural Engineering, Transportation Engineering, Environmental Engineering, Geotechnical Engineering, Geoinformatics, Water Resources Engineering, Geology.
Computer Science and Engineering **(For All Course Categories)**	Data, System & Network centric computing, Real Time Systems, Fault Tolerant System, Computer Network, Software Defined Network, Programmable Network, Cellular Communications, Distributed System, Operating Systems, Service Oriented Architecture, Database Systems, Machine Learning, Generative AI, Deployable & Responsible AI, Data Mining, Information Retrieval, Natural Language Processing, Big Data Analytics, IoT and IIoT, Cloud & Edge Computing, Information Security, Cyber Forensics, Semantic Web, Data Science, Artificial Intelligence, Blockchain Technology, Object Oriented Systems, Verification and Validation of Systems, Image Processing and Computer Vision, Software Engineering, Cyber Security, Hardware Security, Quantum Computing.
Electrical Engineering **(For All Course Categories)**	**Power System**– Power system dynamics and stability, Optimal operation and planning, Power system protection, Power quality, Wide Area Monitoring and Control, Power System restructuring and deregulation, Electricity Market, Smart grid, Micro Grid, Active Distribution Network, Intelligent Agents and their Applications, Cyber-Physical Security of a Smart Grid Infrastructure, Grid Integration of Renewable Sources & Storage, Power System Reliability, Battery Management systems for Aerial Unmanned Vehicle and EV, Power Quality Improvement, Power System Planning, Sustainable Energy Economics, New and innovative applications of solar PV, agrivoltaics, floating PV, PV degradation and reliability, hybrid energy systems, energy efficiency, energy modelling, design and operation of solar PV systems, demand-side management, energy policy, industrial decarbonization, PV recycling, and sustainability research, Thin film photovoltaics, Perovskite solar cells. **Power Electronics**– Power Electronics and its Control, Power Converters, and Electrical Drives, Utility Interfaces for Renewable Sources and Energy Storage, Reliability of Converters, Wide Bandgap Semiconductors (GaN/SiC)-based converters, Thermal management in Power Electronics, Power Converters and Modulation methods, Hybrid AC and DC Microgrid, Electric Vehicles Charging, DC-DC converters for electric vehicles, Fuel cell DC-DC converters, Fuel cell low and high voltage applications, Hybrid electric vehicles, Fuel cell electric vehicles, PV power conversion system.

	Control System– Practical/ real-time applications of Control Systems theory, Adaptive & Optimal Control, Robust control, Time-delay systems, Stochastic Processes, Detection and Estimation of Signals/Systems, Multi-agent systems and coordinated control, Intelligent Systems and Control, Robotic Systems, System & Control, Time and frequency domain Reduced-order modeling, Health Monitoring and Intelligent Fault Diagnosis, Cyber-Physical Systems, Intelligent Informatics, Unmanned Aerial Vehicles, Fault Detection and control, Consensus and formation Control, Industry 4.0/5.0, Control and Computational Intelligence, Path Planning of Unmanned Autonomous Vehicles, Fractional-order modelling and control.
Electronics and Communication Engineering (For All Course Categories)	**VLSI:** Analog IC Design, VLSI design, Device Modeling, Low Power VLSI Circuit, Analog Circuit Design, Residue Number System based Circuit Design, Mixed Mode VLSI Design, Semiconductor Device Modeling and Simulation, Fabrication and modeling of Thin Film Devices for Electronics, Spintronics, Gas Sensing and Optoelectronic Applications, LED and Photo detector fabrication for biomedical applications etc. **Communication:** Digital Communication, Optical Communication, Wireless & Mobile Communication, Data Communication and Networks, Cognitive Radio Networks, Wireless Sensor Networks, IoT, Ad-hoc Networks, Telemedicine Networks, Antenna design, RF & Microwave, Microwave Radar Imaging, Stealth Technology-Microwave absorber, RF Sensors etc. **Signal Processing:** Finite word length effects in digital filters, Multidimensional Systems, Delayed systems, Signal & Image Processing, Embedded Signal Processing, Digital Filter Structures, Multiplier less Filters, Biomedical Signal & Image Processing, Digital Watermarking and Data Hiding, Data Compression, Medical Instrumentation etc. **Additional Areas:** Photovoltaic Solar Cells, Wearable Semiconductor Devices, Low-Cost Nano-composites, Biomedical signal and Image processing using Machine Learning, Thermal Image Processing, Internet of Medical Things (IOMT), Biomedical Instrumentation, Printed and Flexible Electronics, Industrial Electronics, Applied Power Electronics, Smart Renewable Energy.
Geographic Information System (GIS) Cell (For All Course Categories)	Global Navigation Satellite System (GNSS) and Advanced SAR Interferometry (InSAR) (Core and Applications), Artificial Intelligence (AI) Applications in Earth Observation, Physical Geodesy, LiDAR and imagery data generation and processing for scientific and industrial applications; Multi-sensor integration, calibration and data fusion for precision remote sensing. GIS, Web GIS, Remote Sensing of Environment, Spatial Data Infrastructure, GIS Applications. Application of Geospatial Technologies to Transportation Engineering. Multi-criteria decision Making using GIS and Remote Sensing, Drone Technology

Humanities and Social Sciences	**<u>For Course Category: 11</u>** Development Economics, Entrepreneurship and Intellectual Property Rights (IPR), Digital Humanities, Indian Knowledge System-Modern Science and Technology, Critical Cultural Studies, Trauma and Memory Studies, Blue Humanities, Ecocriticism, Tribal and Subaltern Studies, Dalit Studies, Memoirs, Migration Studies, Partition Studies, Postcolonial Literature, Public Policy and Human Resource Management. **<u>For Course Category: 12, 13, 14 & 15</u>** Human Resource Management, Organizational Behaviour, Public Policy, Accounting and Finance, Applied Economics, Development Economics,Entrepreneurship and Intellectual Property Rights (IPR), Psychology, English Language Teaching, Digital Humanities, Indian Knowledge System - Modern Science and Technology, Critical Cultural Studies, Trauma and Memory Studies, Blue Humanities, Ecocriticism, Tribal and Subaltern Studies, Dalit Studies, Memoirs, Migration Studies, Partition Studies, Postcolonial Literature, Management and Commerce.
Mathematics **(For All Course Categories)**	Lie Theory, Fluid Dynamics, Fuzzy Analytics, Soft Computing Intelligent Systems with reference to Medical diagnosis and Tourism, Fluid Mechanics, Bio-Fluid Mechanics, Computational Fluid Dynamics, Nanofluids and Bio-fluids, Fuzzy Optimization, Topology, Rough Set Theory, Fuzzy Subset Theory, Evolutionary Algorithms, Micro Fluidics and Microscale Transport Phenomena.
Mechanical Engineering **(For All Course Categories)**	Design Engineering, Thermal Engineering, Production and Industrial Engineering.
Physics	**<u>For Course Category: 11</u>** *Synthesis, and Optical Properties of Graphene, Graphene Quantum Dots, Graphene-metal Oxide Composites and Their Applications as Charged Storage and Photo-catalytic Materials, Designing and Simulation of Organic-Inorganic Hybrid Peroveskite Materials for Solar Cell Applications* *Functional oxides, Magnetic and multiferroic materials (Nanostructures and thin films) for biomedical, chemical/gas sensing, energy storage and water-splitting applications. Polymer-magnetic nanoparticles for fluorescent bioimaging applications* *Quantum chaos and Random matrix theory, Quantum entanglement, information scrambling and eigenstate thermalization hypothesis. Applications in many-body quantum systems, Nonlinear dynamics and complex systems.* *Cosmology and High Energy Physics, Cosmic inflation, Gravitational waves, Primordial black holes, Dark matter and Dark energy, Modified gravity theories* *Nanostructured thin films, functional oxide nanomaterials, new materials for energy storage, supercapacitors and device fabrications.*

	For Course Category: 12 *Synthesis, and Optical Properties of Graphene, Graphene Quantum Dots, Graphene-metal Oxide Composites and Their Applications as Charged Storage and Photo-catalytic Materials, Designing and Simulation of Organic-Inorganic Hybrid Peroveskite Materials for Solar Cell Applications* *Functional oxides, Magnetic and multiferroic materials (Nanostructures and thin films) for biomedical, chemical/gas sensing, energy storageand water-splitting applications. Polymer-magnetic nanoparticles for fluorescent bioimaging applications* *Quantum chaos and Random matrix theory, Quantum entanglement, information scrambling and eigenstate thermalization hypothesis. Applications in many-body quantum systems, Nonlinear dynamics and complex systems.* *Novel Nanostructures (Nanoparticles, Nanorods, Nanoribbons etc) and their synthesis, characterizations, and applications. Nanophosphors in Latent fingerprint imaging, anti-counterfeiting, and security ink for forensics. Thin film epitaxy/Resistive Memory devices/Applications* *Cosmology and High Energy Physics, Cosmic inflation, Gravitational waves, Primordial black holes, Dark matter and Dark energy, Modified gravity theories* **For Course Category: 13, 14 & 15** NIL
School of Management Studies (For All Course Categories)	Marketing Management, Financial Management, Human Resources Management, Management Information Systems, Operations Management, Business Analytics & Data Science, Strategy and Entrepreneurship.

*** The Selection Committee may decide to expand / restrict the Area(s) of Research as per the need / availability.**

4. Residual Department-wise available seats in Course Category-11 (Institute Stipendiary Full-Time Research Scholar)

Sl. No.	Name of Department / School / Cell	Total Available Seats in Course Code-11	UR	OBC-NCL	SC	ST	EWS
(1)	Applied Mechanics	15	7	5	0	2	1
(2)	Biotechnology	01	0	0	0	1	0
(3)	Chemical Engineering	08	2	3	2	0	1
(4)	Chemistry	01	0	0	0	0	1
(5)	Civil Engineering	06	3	0	2	0	1
(6)	Computer Science and Engineering	13	2	5	2	2	2
(7)	Electrical Engineering	15	6	5	2	0	2
(8)	Electronics and Communication Engineering	14	6	3	2	1	2
(9)	Geographic Information System (GIS) Cell	02	1	1	0	0	0
(10)	Humanities and Social Sciences	NIL	NIL	NIL	NIL	NIL	NIL

(11)	Mathematics	01	0	0	0	1	0
(12)	Mechanical Engineering	20	8	6	2	2	2
(13)	Physics	01	0	0	1	0	0
(14)	School of Management Studies	01	0	0	1	0	0
	Total	**98**	**35**	**28**	**14**	**9**	**12**

NOTE: PwD reservation will be applied horizontally.

5. Application Procedure

I. Applicants are required to submit their application through on-line application system using the Samarth e-Gov. ERP portal **https://mnnitadm.samarth.edu.in/** only.
"No other means of application shall be acceptable"

II. There are following two steps in online application procedure:

STEP–A ***INITIAL REGISTRATION BY FILLING YOUR PERSONAL/CONTACT DETAILS:***

- Please fill the correct details as required in the given field.
- An application number, would be generated in this step.

STEP–B ***APPLICATION SUBMISSION AND DOCUMENT UPLOAD:***

PHASE-1: Profile Creation & Documentation

- Log-in with registered email ID and password generated at STEP–A.
- After login, follow the on-screen instructions to fill the online application form.
- Fill all the details carefully. No change in the filled details will be permitted later on.
- Upload the required documents, your photograph and photo of your signature.
- Prior to filling the online application form, please make sure that you have:
  - Scanned copy of all your documents in .**pdf format (size up to 500 kB).**
  - Your passport size recent photograph in .**jpg format (size up to 500 kB).**
  - Photograph of your signature in .**jpg format (size up to 500 kB).**

PHASE-2: Programme Selection & Academic Details

- Choose your Programme, Department, etc., then click **Start Application**.
- Select your preferred **Programme Medium** and **Admission Category Preferences**.
- Submit your academic information.
- Submit your details of competitive examinations, research backgrounds and upload programme specific documents.

PHASE-3: Fee Payment & Submission of Application(s)

- Please pay the non-refundable Application fee by EASEBUZZ (online digital payment gateway from BoB) - ₹ 1200/- (for General/OBC-NCL/EWS) and ₹ 600/- (for SC/ST/PwD candidates).

NOTE: Please refer to the admission portal https://mnnitadm.samarth.edu.in/ for detailed instructions.

IMPORTANT INSTRUCTIONS:

- If a candidate is applying more than two Departments/School/Cell, then he/she should create different login account and fill **separate application forms with the prescribed application fee for each two Departments/School/Cell**.
- Print the form, affix the same photograph as uploaded, enclose all required documents, and **ensure mandatory dispatch** (within stipulated time) to the respective department at the address provided in the table below:

Sl. No.	Name of Department / Cell / School	Name of Head / Chairperson of the Department / School / Cell	Postal Address [For sending the completed application form]	Email ID / Telephone No. [For any Query]
1.	Department of Applied Mechanics	Prof. A. R. Paul	To, The Head, Department of Applied Mechanics, Motilal Nehru National Institute of Technology Allahabad, Prayagraj – 211004, UP, INDIA	hamd@mnnit.ac.in +91-532-227-1201

Sl. No.	Name of Department / Cell / School	Name of Head / Chairperson of the Department / School / Cell	Postal Address [For sending the completed application form]	Email ID / Telephone No. [For any Query]
2.	Department of Biotechnology	Prof. Seema Nara	To, The Head, Department of Biotechnology, Motilal Nehru National Institute of Technology Allahabad, Prayagraj – 211004, UP, INDIA	hbiod@mnnit.ac.in +91-532-227-1231
3.	Department of Chemical Engineering	Dr. Dipesh S. Patle	To, The Head, Department of Chemical Engineering, Motilal Nehru National Institute of Technology Allahabad, Prayagraj – 211004, UP, INDIA	hchemicald@mnnit.ac.in +91-532-227-1581
4.	Department of Chemistry	Dr. Tamal Ghosh	To, The Head, Department of Chemistry, Motilal Nehru National Institute of Technology Allahabad, Prayagraj – 211004, UP, INDIA	hchemd@mnnit.ac.in +91-532-227-1281
5.	Department of Civil Engineering	Prof. L. K. Mishra	To, The Head, Department of Civil Engineering, Motilal Nehru National Institute of Technology Allahabad, Prayagraj – 211004, UP, INDIA	hced@mnnit.ac.in +91-532-227-1301
6.	Department of Computer Science and Engineering	Prof. Mayank Pandey	To, The Head, Department of Computer Science and Engineering, Motilal Nehru National Institute of Technology Allahabad, Prayagraj – 211004, UP, INDIA	hcsed@mnnit.ac.in +91-532-227-1351
7.	Department of Electrical Engineering	Prof. Nitin Singh	To, The Head, Department of Electrical Engineering, Motilal Nehru National Institute of Technology Allahabad, Prayagraj – 211004, UP, INDIA	heed@mnnit.ac.in +91-532-227-1401
8.	Department of Electronics and Communication Engineering	Prof. Basant Kumar	To, The Head, Department of Electronics and Communication Engineering, Motilal Nehru National Institute of Technology Allahabad, Prayagraj – 211004, UP, INDIA	helexd@mnnit.ac.in +91-532-227-1451
9.	Geographic Information System [GIS] Cell	Dr. Ramji Dwivedi	To, The Chairperson, Geographical Information System [GIS] Cell, Motilal Nehru National Institute of Technology Allahabad, Prayagraj – 211004, UP, INDIA	hgisc@mnnit.ac.in +91-532-227-1341
10.	Department of Humanities and Social Sciences	Prof. Ravindra Tripathi	To, The Head, Department of Humanities and Social Sciences, Motilal Nehru National Institute of Technology Allahabad, Prayagraj – 211004, UP, INDIA	hssd@mnnit.ac.in +91-532-227-1295
11.	Department of Mathematics	Prof. Pramod Kumar Yadav	To, The Head, Department of Mathematics, Motilal Nehru National Institute of Technology Allahabad, Prayagraj – 211004, UP, INDIA	hmathd@mnnit.ac.in +91-532-227-1251
12.	Department of Mechanical Engineering	Prof. Rajeev Srivastava	To, The Head, Department of Mechanical Engineering, Motilal Nehru National Institute of Technology Allahabad, Prayagraj – 211004, UP, INDIA	hmed@mnnit.ac.in +91-532-227-1501
13.	Department of Physics	Prof. Animesh K. Ojha	To, The Head, Department of Physics, Motilal Nehru National Institute of Technology Allahabad, Prayagraj – 211004, UP, INDIA	hphyd@mnnit.ac.in +91-532-227-1266
14.	School of Management Studies	Prof. G. P. Sahu	To, The Head, School of Management Studies, Motilal Nehru National Institute of Technology Allahabad, Prayagraj – 211004, UP, INDIA	hsms@mnnit.ac.in +91-532-227-1551

6. Admission Criteria

The procedure given below for selection is liable to change due to unforeseen situations and the guidelines given below are only informative in nature.

1. Admission to the Ph.D. Programmes under Course Code 11 (Institute Stipendiary Full-Time Research Scholar), Course Code 12 (Sponsored Full-Time Research Scholar), Course Code 13 (Sponsored Part-Time Research Scholar), Course Code 14 (Faculty / Staff / Sponsored

Project Fellow of MNNIT Allahabad: Part-Time Research Scholar, with/without GATE/NET) and Course Code 15 (Self-financed Full-Time Research Scholars) shall be based on academic merit and/or written examination and/or interview and/or based on the presentation of the research proposal of the eligible shortlisted candidates by the DDSC.

2. The candidates under Course Code 12 must fulfill the additional requirements of their sponsoring/funding agency, if any.
3. The candidates under Course Code 13 shall be also evaluated on the basis of recommendation of their employer and a Statement of Purpose along with written examination and/or interview.
4. In case of Sponsored Project Fellow, the candidate with GATE/NET is eligible from the date of joining. However, the candidate without GATE/NET must have to serve three months prior to the closing date of the application.
5. Project Fellow, if admitted, shall be required to pursue his/her Ph.D. work in the area of research project and with the PI and/or CO-PI only in the same department, where project has been sanctioned.
6. Foreign students shall also be admitted on basis of interview and a Statement of Purpose.
7. The list of candidates eligible to appear in the written exam/interview will be displayed on the portal as per the specified schedule. The applicants will appear for the selection process with the condition that they have ascertained their eligibility as per the Information Brochure. The submitted documents for the eligibility will be verified at the time of interview.
8. In case a candidate does not accept the offer by paying the prescribed fee by the specified date, the offer of admission shall stand automatically withdrawn.
9. The offer of admission shall also stand withdrawn if the candidate fails to register by the last date of registration after accepting the offer of admission.
10. If at any stage during the course of study it is found that any of the documents submitted by the candidate are not correct then his/her admission shall be cancelled and the candidate will be solely responsible for it. Further, the Institute reserves all the rights to take any legal action in accordance with the law.

IMPORTANT NOTES:

(i) **A candidate may apply for a maximum of two Departments / Cells with a single login account and Application fees. If an applicant wishes to apply for more than two different Departments / Cells, the candidate will have to apply separately by creating another login account**.

(ii) Merit List and Selection List shall be prepared Department-wise / Cell-wise, as usual. If candidate is selected in both Departments / Cells, the candidate will be given a choice to select a Department / Cell in which the candidate wishes to join the PhD programme. No

change will be entertained subsequently.

(iii) Subsequently waitlist, if any, shall be declared as usual.

(iv) All updates /notifications /results will be declared through the admission portal https://mnnitadm.samarth.edu.in/ only. **No separate admit card/letter will be sent by the institute for appearing in the selection process**.

(v) Candidates are advised to visit the admission portal for regular updates.

(vi) The selected candidate, who has completed all the pre-requisite examinations including project/thesis examination and the viva voce before the date of registration but is unable to produce the certificate in proof of having passed and secured the minimum specified qualifying marks, may be considered for provisional admission. However, if admitted provisionally, they will be required to produce the original documents of the qualifying degree examination within six weeks from the date of registration, failing to which the admission will automatically stand, cancelled. In special cases, relaxation to this date may be given by Chairperson, Senate.

7. Required Documents

The candidates are required upload the following documents during online application. Further, they are required to bring these documents in original at the time of physical reporting:

a. Any Govt. issued Photo Identity Card, preferably Aadhar Card
b. E-receipt of Fee payment
c. GATE/NET/etc. score card (as applicable)
d. High School (Class X) & Intermediate (Class XII) Certificate & Mark-sheet.
e. Grade/Mark sheets of qualifying examination for all semesters
f. Degree/ Provisional certificate (if appearing in qualifying examination, then required to be submitted within six weeks from the date of registration)
g. Migration certificate (if appearing in qualifying examination, then required to be submitted within six weeks from the date of registration)
h. Character Certificate (from the Institute last attended).
i. Letter of award of fellowship (for category 12 only).
j. Institute ID card for MNNIT Faculty/Staff (for category 14 only).
k. Letter of appointment for project staff (for category 14 only).
l. No Objection Certificate from employer (for course category 13 and 14 only).
m. Certificate of employment (for course category 13 only).
n. Valid Category certificate (if applicable) in prescribed format of GoI. For candidates belonging to OBC [Non Creamy Layer]/EWS Category, the certificate must be issued on or after 01.04.2026.
o. Undertaking by OBC candidates (Given on admission portal)
p. Undertaking for correct information (Given on admission portal)

NOTE: The institute reserves the right to refuse admission to any candidate without assigning any reason. All disputes related to admission are subject to Allahabad Courts, Prayagraj only.

8. Important Dates (Tentative)

Activity	Dates
Advertisement for Ph.D. admission	05-11-2026 (Thursday)
Start of online application process	05-11-2026 (Thursday)

Closing date for online application process	17-11-2026 (Tuesday)
Last date for receipt of the printed and signed application form	20-11-2026 (Friday)
Declaration of the list of shortlisted candidates for written examination	25-11-2026 (Wednesday)
Written Test / Interview dates of various Departments / School / Cell (Candidates are advised to make their travel / stay arrangements accordingly)	30-11-2026 to 02-12-2026 (Monday to Wednesday)
Declaration of Ph.D. admission result	09-12-2026 (Wednesday)
Last date for seat acceptance and Submission of Institute fee by the selected candidates	12-12-2026 (Saturday)
Declaration of Ph.D. allotment results of waitlisted candidates (if any seat is left vacant)	14-12-2026 (Monday)
Last date for seat acceptance and Submission of Institute fee by the selected candidates	16-12-2026 (Wednesday)
Physical registration (for all selected candidates) / Start of Classes	TBA (To be announced)

***Detailed schedule for written examination and/or interview will be published along with the list of shortlisted candidates for written examination by the respective Department / School / Cell. The above schedule is liable to change owing to any unavoidable circumstances.**

Note: Document verification will be done only at the time of interview. Therefore, candidates who will be called for evaluation are required to ascertain that they fully meet all the advertised criteria. Further, in case it is found that any candidate who does not fulfill the criteria and yet has appeared in the Interview/Written Test or has been offered admission, his/her candidature/admission will be cancelled/ terminated at any stage, without any compensation. Any dispute is subject to Prayagraj jurisdiction only.

Department / School / Cell	Examination Dates		
	Written Test	Interview	Reserved Day
Applied Mechanics	TBA (To be announced)		
Biotechnology			
Chemical Engineering			
Chemistry			
Civil Engineering			
Computer Science and Engineering			
Electrical Engineering			
Electronics and Communication Engineering			
Geographic Information System (GIS) Cell			
Humanities and Social Sciences			
Mathematics			
Mechanical Engineering			
Physics			
School of Management Studies			

Please contact the respective Head of the Department for Time and Venue of the Written Examination and/or Interview.

NOTE:

(i) All candidates are required to bring any Government issued photo identity card for verification.

(ii) Candidates are advised to bring the required original documents along with one set of self attested photocopy of the same for the interview.

(iii) Candidates are advised to report 30 minutes before the commencement of evaluation.

(iv) In case of any query/difficulty faced, please contact the respective Department/School/Cell at the contact details mentioned below:

Sl. No.	Name of Head of Department / School / Cell	Department / School / Cell	CUG Contact No.	Email ID
1.	Prof. A. R. Paul	Applied Mechanics	+91-9415014446	hamd@mnnit.ac.in
2.	Prof. Seema Nara	Biotechnology	+91-9415015811	hbiod@mnnit.ac.in
3.	Dr. Dipesh S. Patle	Chemical Engineering	+91-9415016115	hchemicald@mnnit.ac.in
4.	Dr. Tamal Ghosh	Chemistry	+91-9415016068	hchemd@mnnit.ac.in
5.	Prof. L. K. Mishra	Civil Engineering	+91-9415016053	hced@mnnit.ac.in
6.	Prof. Mayank Pandey	Computer Science and Engg.	+91-9415014159	hcsed@mnnit.ac.in
7.	Prof. Nitin Singh	Electrical Engineering	+91-9415016036	heed@mnnit.ac.in
8.	Prof. Basant Kumar	Electronics and Comm. Engg.	+91-8004818000	helexd@mnnit.ac.in
9.	Dr. Ramji Dwivedi	GIS Cell	+91-9415649166	hgisc@mnnit.ac.in
10.	Prof. Ravindra Tripathi	Humanities and So. Sciences	+91-9415016096	hssd@mnnit.ac.in
11.	Prof. Pramod Kumar Yadav	Mathematics	+91-9415016058	hmathd@mnnit.ac.in
12.	Prof. Rajeev Srivastava	Mechanical Engineering	+91-9415016051	hmed@mnnit.ac.in
13.	Prof. Animesh K. Ojha	Physics	+91-9415344370	hphyd@mnnit.ac.in
14.	Prof. G. P. Sahu	School of Management Studies	+91-9415016060	hsms@mnnit.ac.in

9. Institute Fee Structure

(a) Institute Fee (For all category Students such as OPEN/OBC-NCL/SC/ST/EWS/PwD)

I Semester	II Semester	III Semester	All Intermediate Semesters	Final Semester
₹ 31,500.00	₹ 26,500.00	₹ 27,000.00	₹ 26,500.00	₹ 28,500.00

NOTE:

- The above fee does not include the Hostel Fee & Mess Charges.
- Hostel fee, if hostel is allotted subject to availability, the candidate will have to pay **₹ 12,000.00** additionally.

(b) Mess Fee (if hostel is allotted): ₹ 25,000.00 (₹ Twenty-five Thousand only) per Semester per Student.

- ❖ Hostel Mess charges for the Ph.D. first semester is ₹ 25,000.00 and is required to be deposited **at the time of registration/admission** (if hostel is allotted), as per the guidelines issued by the Office of the Chief Warden, MNNIT Allahabad, Prayagraj.
- ❖ However, the mess charges may be revised and the same will be informed to the students.

Cash payments will not be accepted.

For any query at any stage, you may email us at: admissioncell@mnnit.ac.in or contact on +91-532-227-1047/1049/1051/1052/1059 during Office Hours (10:00 AM to 01:30 PM & 02:30 PM to 05:00 PM).

With Best Wishes,

Admission Cell

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