राष्ट्रीय उन्नत विनिर्माण प्रौद्योगिकी संस्थान
समविश्वविद्यालय (विशिष्ट श्रेणी)
हटिया, राँची - 834 003 (झारखण्ड)
NATIONAL INSTITUTE OF ADVANCED MANUFACTURING TECHNOLOGY
Deemed to be University (Distinct Category)
Hatia, Ranchi – 834 003 (Jharkhand)

Admission to Full Time Ph.D. and Part Time Ph.D. Programme Academic Year - 2026-27
(Winter Session)

No. NIAMT/Acad./Ph.D./014/2026-27 **Date:** 02-11-2026

Categories of Ph.D. research scholars

- Regular Candidates with Institute Fellowship -Full Time
- Candidates with Individual Fellowship (CSIR–NET JRF/UGC–NET JRF/ICMR/DST-INSPIRE, etc.)-Full Time
- Candidates from Sponsored Research Project-Full Time
- Sponsored Candidates (Industries and other organizations e.g. academic, research etc.)-Full Time
- Candidates without Institute Fellowship (Self-Sponsored)-Full Time
- Part Time

Eligibility

Ph.D. in Engineering/Technology

i. An applicant must have a post graduate degree in the relevant subject with a minimum of 55% marks or an equivalent CGPA
OR
ii. An applicant must have an undergraduate degree with a minimum of 75% marks or an equivalent CGPA.
iii. A relaxation of 5% of marks shall be allowed for the candidates belonging SC/ST/OBC (non-creamy layer)/Differently Abled (PwD), Economically Weaker Section (EWS) as per Central Government rules. An applicant must submit a recent category certificate to avail this benefit.
iv. All the Part-Time candidates have to submit a NOC from the present employer at the time of admission.

NOTE: To avail Institute fellowship/emoluments, a valid GATE score/NET qualification is mandatory for candidates not possessing M.E./M.Tech. degree. Mathematics is compulsory at UG level except humanities.

Ph.D. in Science and Humanities

i. An applicant must have a post graduate degree in the relevant subject with a minimum of 55% marks or an equivalent CGPA.
ii. A relaxation of 5% of marks shall be allowed for the candidates belonging to SC/ST/OBC (non-creamy layer)/Differently Abled, Economically Weaker Section (EWS) as per Central Government rules. An applicant must submit a recent category certificate to avail of this benefit.

Foreign students:

Equivalent qualification from a foreign educational institution accredited by an assessment and accreditation agency (Association of Indian Universities) which is approved, recognized or authorized by an authority, established or incorporated under a law in its home country or any other statutory authority in that country to assess, accredit or assure quality and standards of the educational institution.

Fellowship

Doctor of Philosophy (Ph.D.): The Ph.D. institute fellowship/emoluments will be awarded as per extant guidelines of MoE, Govt. of India.

For individual fellowship and sponsored research projects, the fellowship will be as per the prevailing G.O.I rules.

Research Specializations

Sl. No.	Department	Qualifications	Area of Research/Specializations
1.	**Foundry and Forge Technology**	Foundry and Forge Technology, Mechanical Engineering, Metallurgical & Materials Engineering, Production and Industrial Engineering, Manufacturing Engineering, Materials Science and Engineering.	1. Foundry Technology 2. Forging Technology 3. Production Engineering 4. Industrial Engineering
2.	**Mechanical Engineering**	Mechanical Engineering, Production Engineering, Manufacturing Engineering, Industrial Engineering, Materials Science and Engineering, Surface Science & Engineering, and allied disciplines.	Composites, Machining, Joining processes, Vibrations, Metrology, Reverse Engineering and 3D printing
3.	**Materials and Metallurgical Engineering**	Materials Engineering, Metallurgical Engineering, Industrial Metallurgy, Nano Technology, Foundry-Forge Technology, Materials Science and Engineering, Welding Technology, Materials Technology, Process Metallurgy, Surface Science & Engineering (with B.Tech. in Metallurgy and Materials Engineering), Mechanical Engineering, Manufacturing Engineering or its equivalent. M.Sc. in Physics/Chemistry with ME/M.Tech.	1. Alloy design and simulation 2. Phase equilibria and transformations in advanced materials 3. Solidification and casting 4. Light weight metals and alloys 5. Multicomponent materials 6. Materials for extreme environment 7. Structure-property correlation in steel
4.	**Applied Sciences & Humanities**	**i) For Ph.D. in Physics:** MSc in Physics, or Chemistry, or Materials Science, or in any other related discipline Or M. Tech in Materials Science, Solid state Technology, Electronics, or in any other related discipline **ii) For Ph.D. in Chemistry:** MSc in Chemistry, or Materials Science, or environmental science or in any other related discipline Or MTech in Materials science, or Nanotechnology, or Solid State technology, or Polymer Science/Technology, or Chemical Engineering/Technology or Environmental Engineering or any other related discipline	i) **Physics:** Experimental, Condensed matter physics; Solid state chemistry. ii) **Chemistry:** Electrochemistry, Polymer, heterogeneous catalyst.

4.	**Applied Sciences & Humanities**	**iii) For Ph.D. in Mathematics:** MSc in Mathematics or Computer science or in any other related discipline Or Master in Computer Applications (MCA) Or MTech in Computer science, or Data science or in any other related discipline	iii) **Mathematics:** Cryptography, Image Processing, Algebraic graph theory, spectral graph theory, Numerical analysis, Mathematical analysis of population balance equation, integral-differential equations.
5.	**Environmental Engineering**	Environmental Engg., Civil Engg., Chemical Engg., Mechanical Engg., Biotechnology, Metallurgical Engg., Mining Engg., Mechanical Engg., Agricultural Engg., and any other relevant branch of Engineering. Chemistry, Physics, Geology, Environmental Sciences, Biotechnology, and any other relevant branch of sciences.	Air pollution and control, Water & Wastewater treatment, EIA and Solid Waste Management, Utilization of Industrial Waste, Resources recovery from Waste, and Corrosion.

Department-wise seats:

Name of the Department	Full-Time with Institute Fellowship	Part-Time and Self-sponsored (full-time) **
Foundry and Forge Technology	02	Available
Mechanical Engineering	Not available	Available
Materials and Metallurgical Engineering	03	Available
Applied Sciences and Humanities	02	Available
Environmental Engineering	Not available	Available

**All the above-mentioned departments have vacancies for Ph.D. (Part-Time) and self sponsored full time.

Application Procedure

1. A non-refundable application processing fee of Rs. 500/- (for General/OBC/EWS) and Rs. 250/- (for SC/ST/PwD) is to be paid online to **NIAMT IRG FUND ACCOUNT, Account No. 2730101006939**, payable at **Canara Bank, IFSC Code: CNRB0002730, NIFFT Campus, Hatia, Ranchi, Jharkhand – 834003.**

2. How to Apply

a. The application form and information brochure can be downloaded from the Institute's website (**www.niamt.ac.in**).

b. The filled application form along with the self attested copy of all supporting certificates in support of educational qualification, category of reservation (issued by the competent authority in the standard format of GoI/State Govt./UTs) and processing fee receipt must be **submitted by hand or sent by post** to the **Assistant Registrar (Academic), Lecture Hall Complex, Hatia, Ranchi, Jharkhand - 834003. The envelope must be superscribed as 'Application for Ph.D. admission 2026'.**

Selection Process and reservation

- Selection is based on a written test and an interview.
- The candidates must appear for the written test and interview at NIAMT, Ranchi. No TA/DA is admissible.
- The candidates will have to produce all the relevant documents in support of their eligibility for the programme or declaration of submission within 60 days from the date of admission, failing which his/her admission will be cancelled.
- The Institute will not be responsible for any postal delays/loss.
- The Institute reserves the right to reject any application without assigning any reason therein.
- Reservation for admission is as per Govt. of India rules.
- Final admission is subject to production of medical fitness.
- For all updates, kindly visit the Institute website (www.niamt.ac.in) regularly.

Note: The results of the written test and interview and selection list will be published on the Institute website only. No individual communication will be sent.

Important dates

(a)	Downloading of Ph.D. application form	: 02-11-2026
(b)	Last date for receipt of completed application form	: 30-11-2026
(c)	Date of Written Test/Interview	: 18-12-2026
(d)	Result on Website	: 24-12-2026
(e)	Date of Admission	: 10-01-2027

Contact

Email : academic@niamt.ac.in
Academic Section : 0651-2912208/ 8105476009/ 9818878551/ 8709275628

Fee structure can be accessed through:

https://niamt.ac.in/UserView/UserView.aspx?TypeID=1387