



पूर्वोत्तर क्षेत्रीय विज्ञान एवं प्रौद्योगिकी संस्थान

North Eastern Regional Institute of Science and Technology

(Deemed- to- be- University under Section 3 of the UGC Act, 1956)

[Under the Ministry of Education, GoI, New Delhi]

P.O-Nirjuli, Arunachal Pradesh – 791 109

No NEPGET/PhD/Jan-May/25-26

Dated, Nirjuli the 4th November 2025

ADMISSION NOTIFICATION

Ph.D.ADMISSIONS : 2025-2026 (Jan-May Semester)

The North Eastern Regional Institute of Science and Technology (NERIST) invites application for Ph.D. Admissions for Academic Session 2025-2026 (Jan-May Semester) in Agricultural Engineering, Civil Engineering, Computer Science & Engineering, Electronics & Communication Engineering, Electrical Engineering, Mechanical Engineering, Food Engineering & Technology, Forestry, Physics, Chemistry, Mathematics and Humanities & Social Sciences Programmes.

1. Eligibility Criteria for Ph.D. Admission

Please refer to Ph.D. Brochure 2025-2026 available on the Institute website.

2. How to Apply for Ph.D. Programmes

Candidates must apply through **ONLINE** mode only by logging on to the website <https://neeonline.ac.in> or through <https://nerist.ac.in/>

Please refer to Ph.D. Brochure 2025-2026 available on the Institute website.

3. Selection Procedure

Please refer to Ph.D. Brochure 2025-2026 available on the Institute website. The syllabi for Entrance Test are given in Annexure IV.

4. Admission Procedure for Ph.D. Programme

Please refer to Ph.D. Brochure 2025-2026 available on the Institute website. Additionally, the candidates may submit the Forms given in Annexure I through Annexure III whichever is applicable.

IMPORTANT DATES

Opening of online application	Friday, November 7, 2025
Last date for submission of online applications with the requisite application fee	Sunday, November 30, 2025
Issue of Admit Cards	Wednesday, December 3, 2025 onwards
Date of Written Test	Thursday, December 11, 2025
Publication of the list of eligible candidates for Interview for admission to the Ph.D. Programmes	Thursday, December 11, 2025 [List will be displayed on the Institute website]
Date of Interview of eligible candidates for admission to the Ph.D. Programmes	Friday, December 12, 2025 Venue: Respective Departments/Centre
Date of the declaration of the results	Thursday, December 18, 2025 [Results will be displayed on the Institute website]

Department/Centre wise number of seats available & Area(s) of research for Ph.D. admission

Sl. No.	Department	No. of available seats	Areas of Research
1.	Agricultural Engineering	11	Agricultural Ergonomics/Anthropometry, Accident and injury prevention, Occupational health, Electronics and AI in machinery design, Digital Human Modelling, Design Optimization, Farm Tools and Equipment Design, Renewable Sources of Energy, Farm Machinery and Power; Impact of Climate Change on Water Resources, Springshed Management, Hydrological modelling, Cryosphere mapping/modelling, Hydro-informatics, Climate Change vulnerability and impact studies, Ground water- surface water interaction, Remote sensing application in water resources Engineering.
2.	Civil Engineering	16	Geotechnical Engineering, Environmental Science and Engineering, Transportation Engineering, Structural Engineering
3.	Computer Science & Engineering	34	CVPR, Federated Learning, Machine learning, Deep Learning , Security in Networks, Reliability ,Wireless Networking/ Opportunistic Network, MANET, WSN,GNN, Security, Image Processing, Cryptography, Video processing, Cognitive Radio Networks, Computer Network Security,
4.	Electronics & Communication Engineering	50	Communication System, Sensor and Circuits, Signal processing, Biomedical Signal and Image Processing, and Machine Learning. Semiconductor Devices, Biosensors and VLSI Circuits, Digital Design, Wireless Communication, Massive MIMO, Bio-Electronics, IoT, GaN and SiC based device, VLSI Technology, Electronic Sensor Design and Development.,WSN, MEMS, Antenna, FELs , High Power Microwave Devices.
5.	Electrical Engineering	25	Electrical Machines and drives, Energy, Distributed Power Generation, Power Quality, Power Systems, Control Systems, Wind Energy, Energy Management, Renewable Energy, Smart Grids, Power Electronics, Micro grids, Digital electronics and Microprocessors, DSP, embedded Systems, Microcontroller, Electric Vehicles, Measurement and instrumentation, High Voltage Engineering, Artificial Intelligence-Fuzzy logic Controller, ANN, GA, Control and Instrumentation, Illumination Engineering, DSM Technology.
6.	Food Engineering and Technology	11	IoT in Food Processing, Thermal and Non-Thermal Food Processing, Novel Drying Technologies, Solar Greenhouse Drying, Smart and Edible Food Packaging, Modelling and Simulation, Product Development, 3D Food Printing, Waste Utilization, Process Optimization, Cereal and Legume Processing, Fruits and Vegetable Processing, Functional food.
7.	Mechanical Engineering	22	Mechanical Vibration, Robotics, CAD/CAM, Non-conventional machining, Composite materials, Additive manufacturing, Application of soft computing, Computational Modelling and optimization of machining processes, Rotor Dynamics, Machine design and Tribology, IC Engines and Biomass energy studies, Industry 4.0, Boiling heat transfer, Electric vehicle battery cooling.

8.	Forestry	03	Forest Genetics, Tree Improvement, Carbon sequestration, Forest Resource Management, Silviculture, Agroforestry.
9.	Mathematics	05	Differential equations, Partial differential equations, Algebra, Number Theory, Statistics
10.	Chemistry	04	Natural Products, Organic Synthesis, Metalloporphyrins, Metalloenzymes, Medicinal Chemistry, Docking Studies, Nanomaterial, Solar Energy, Photodynamic therapy, Enzyme kinetics.
11.	Physics	08	Microstrip Antennas/Microwave Electronics; Plasma Engineered Material, Green H ₂ production, Energy Harvesting and Environmental Remediation; Magnetic and Optoelectronic Properties of Nanomaterials; Density functional theory, Machine learning, Quantum Technology, Thermoelectricity, Optoelectronics, Energy storage; Oily wastewater treatment, condensed matter physics.
12.	Humanities & Social Sciences	Psychology:02 Economics:04	Social Psychology, Positive Psychology, Cross-Cultural Psychology, Health Psychology, Positive Psychology, Gender and Sexuality Rural Development, Health Economics, Development Economics

**Sd/
Dean (Academic)**