



राष्ट्रीय प्रौद्योगिकी संस्थान नागालैंड
NATIONAL INSTITUTE OF TECHNOLOGY NAGALAND
Chumukedima, Dimapur-797103
Nagaland

Ref.No. NIT-N/ADVT/Research/0001/2019 dated 03-05-2019

A. Ph.D. PROGRAMME

Applications are invited from qualified candidates for admission to Ph.D. programme (Full Time / Part Time) in the disciplines of EEE, ECE, CSE, EIE, ME, Mathematics, Physics and Chemistry. The Departments and areas in which these Programme will be offered are:

SL. NO.	DEPARTMENT	SPECIALIZATION/ AREA OF RESEARCH
1.	Computer Science and Engineering	Data Mining (Web Mining/ Text Mining/ Social Media Analytics), Networks, Cloud, Internet of Things, Data Clustering, Information security and Machine Learning.
2.	Electrical and Electronics Engineering	IoT based Industrial Automation, Predictive Analytics for Machine Condition Monitoring, Machines and Drives for Wind Energy Systems, Electric Vehicles, Power Systems, IoT and Machine learning for Smart Grid, Renewable Energy, Renewable Energy Systems, Forecasting / Prediction analysis in Renewable Energy Systems, Micro grid and Smart grid, Distributed generation, Power electronics drives and control, Optimization, Control system, Instrumentation and control, Power system control
3.	Electronics and Communication Engineering	Nanoelectronics/Optoelectronics, VLSI Design, Speech Signal Processing
4.	Electronics and Instrumentation Engineering	Wireless Communication, Control of Smart Structures, MEMS, Embedded Systems and IOT.
5.	Mechanical Engineering	Robotics, Manufacturing, Wear and Tribology, Metal Forming, Thermal Engineering
6.	Science and Humanities	Nanomaterials, Nanomagnetism, Thin Film Technology, Material science, Physical Chemistry, Environmental Chemistry, Bioinorganic and Biophysical Chemistry, Applied Mathematics, Operation Research, Theoretical Mathematics, Algebra.

Eligibility Criteria for PhD Programme in Engineering

Master's degree in Engineering / Technology with Bachelor's degree in Engineering / Technology in a relevant area specified above with a minimum First class and CGPA/CPI of 6.5 or above (on scale of 10) or 60 % marks (55% marks for SC/ST candidates).

Eligibility Criteria for PhD Programme in Science and Humanities

Master's degree in Science or equivalent degree, with minimum First class and CGPA/CPI of 6.5 or above (on scale of 10) or 60 % marks (55% marks for SC/ST candidates).

B. INTEGRATED Ph.D. PROGRAMME

Applications are also invited from qualified candidates for admission to Integrated Ph.D. Programme in the disciplines of EEE, EIE, ECE and CSE for the above mentioned specialization/area.

Eligibility Criteria for Integrated Ph.D. Programme:

Bachelor's degree in Engineering / Technology or equivalent in the disciplines of Electrical and Electronics Engineering, Electronics and Communication Engineering and Computer Science and Engineering with a minimum CGPA of 8.0 or above (on scale of 10) or 75 percent of marks and a valid GATE score. If the qualifying B.E. / B.Tech. degree is from an IIT / NIT or any Centrally Funded Technical Institute (CFTI) with CGPA 8.5 or 80 percent of marks, then the valid GATE score requirement shall be exempted but scholarship will be provided to only to candidates with valid GATE score.

Other Guidelines:

- Candidates applying for Ph.D. Programme/Integrated Ph.D. Programme shall apply through the downloaded application form from the institute website.
- If anyone requires to apply for more than one specialization, he / she should apply separately for each specialization.
- Candidates can attach their academic profile, if required. Academic profile includes the following information:
 1. Details of publications / conference papers
 2. Awards, patents, prizes etc.,
 3. Other activities
- If the candidate is applying for full-time Ph.D. and he / she is employed, relieving certificate from the employer should be produced at the time of admission.
- Preference will be given to those candidates who are having valid GATE / NET score.
- The Institute will not be responsible for any postal delays or loss of the application during transit.
- The date and time of written test/interview for the shortlisted candidates will be uploaded in the institute website on 29th May 2019. No separate intimation will be given to the individual applicant.

The duly filled in application form along with enclosures and a non-refundable application fee of Rs. 1,000/- (Rs.500/- for SC / ST candidates) by means of a Demand Draft drawn in favour of **IRG, NIT Nagaland**, payable at Chumukedima, Dimapur should reach the office of the Director, National Institute of Technology Nagaland, Chumukedima, Dimapur – 797 103 on or before 27-05-2019.

The Rules and Regulations of Ph.D. Programme and Integrated Ph.D. Programme shall be downloaded from the Web address: <http://nitnagaland.ac.in/index.php/academics/rules-and-regulations>

Note:

- **Only full-time candidates with valid GATE score/UGC NET including lectureship (Assistant Professorship) in order of merit will be considered for institute scholarship subject to the availability of funds from MHRD. Others are not eligible for scholarships.**
- **Last date for submission of duly filled application is 27th May, 2019 by 4.00 p.m.**