



# NATIONAL INSTITUTE OF TECHNOLOGY ARUNACHAL PRADESH

(Established by: Ministry of Education, Govt. of India)  
Jote, District - Papum Pare, Arunachal Pradesh – 791113

NIT/AP/Acad/Ph.D.-01/2018-19/1224

Date: 29.03.2023

## Admission to Ph.D. Programme July – December 2023

Applications are invited for admission to Ph.D. Programme under Full-Time/Part-Time category for the following departments for session July – December 2023. The application form and details are downloadable from institute website [www.nitap.ac.in](http://www.nitap.ac.in).

### A. DEPARTMENTS AND QUALIFICATIONS.

Sl. No	Department	Broad Area of specialization (Indicative)	Minimum education qualification	Category
1.	Chemical Engineering (CHE)	Colloid and interface Science, Micro Nano Fluidics, Computational Fluid Dynamics.	M.Tech / M.E having specialization in relevant areas Or B.Tech /BE in CHE having valid GATE score	Full-time
2.	Civil Engineering (CE)	Structural Engineering (mechanical characteristics of construction material, repair and strengthening of conventionally reinforced and prestressed concrete structures, structural performance of reinforced and prestressed concrete system, assessment of deterioration of building /heritage structure subjected to extreme loading i.e fire, earthquake and cyclone), Hydrology, water resources & environmental engineering, Environmental Engineering	M.Tech / M.E having specialization in relevant areas Or B.Tech /BE in CE having valid GATE score	Full-Time/Part-Time
3.	Computer Science & Engineering (CSE)	Blockchain, Distributed Computing, Cryptography, Quantum Computing, Machine Learning	M.Tech / M.E/IT in CSE having specialization in relevant areas Or B.Tech /BE in CSE having valid GATE score	Full-time/Part-Time
4.	Electronics & Communication Engineering (ECE)	Wireless communication, Speech processing, Semiconductor device, VLSI, Embedded system & Robotics, Optical communication, and Microwave & Antenna	M.Tech / ME / MS in ECE/EE/EIE/CSE having specialization in relevant areas Or B.Tech /BE in ECE/EE/EIE/CSE having valid GATE score	Full-Time/Part-Time
5.	Mechanical Engineering (ME)	Composite Materials, Waste Management, Manufacturing, Coating, Tribiology, Heat Transfer, Phase Change Heat Transfer, Fabrication of micro/nanostructured surface, Bubble Dynamics, Gasification, Renewable Energy, Biological heat and mass transfer, Thermal management, Hydrodynamics. Heat and flow maldistribution in microchannel systems	M.Tech/M.E/MS having specialization in relevant areas Or B.Tech /BE in ME having valid GATE score	Full-Time
6.	Basic & Applied Science (BAS)	Electronics devices, semiconductors, optoelectronics devices/ Solar cell, organic/inorganic chemistry, combinatorial key management, graph theory, sampling	M.Sc or equivalent degree in Mathematics (Pure/Applied) or Statistics/Chemistry/ Physics, /Material	Full-Time/Part-Time





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		theory, fluid dynamics, string theory, theoretical condensed matter physics and fractional calculus	Science/Nano Science/Bio-Science.	
7	Electrical Engineering (EE)	Antenna Microwave Theory, Power Electronics and Electric Drives, Renewable Energy Sources and Applications, Computational Intelligent Techniques with sub categories of machine learning, deep learning, evolutionary optimization and swarm intelligence based algorithms, Linear and Non-Linear System analysis and design, Power System Domain, Power Quality Issues of Renewable Energy, Micro-hydro Power Plants, Renewable Energy Integration, SEIG for rural areas.	M.Tech / M.E in EE, EEE & ECE having specialization in relevant areas Or B.Tech /BE in EE & EEE having valid GATE score	Full-Time/ Part-Time

## B. VARIOUS CATEGORY OF PHD AND COMPULSORY CONDITION.

S/N	Category	Mandatory condition
1.	Full-Time	Candidates who have joined under Institute fellowship/fellowship received from agencies like CSIR, UGC etc.
2.	Part- Time	(i) Candidates from industry, corporate, any Govt. organization and faculty of recognized Institute should have at least two years' experience. In this regard No Objection Certificate (NOC) will be required from the present employer. Such candidates are not entitled to receive any fellowship from the Institute. (ii) Candidates/Staff working under the project sponsored by MHRD/DST/UGC or some other governmental agency and coordinated by the Institute faculty as Investigator/Co-investigator shall be eligible for admission to Ph. D. programme. Such Candidate/Staff working under sponsored project as Junior Research Fellow (JRF) should have at least 1(one) year work experience as JRF/R&D/relevant industry with minimum of six month experience as a JRF under the project in which he/she is employed at NIT Arunachal Pradesh. The application should be processed through Dean (R&D). No fellowship from institute.

## C. ELIGIBILITY

### Minimum Educational Qualification for admission

#### Engineering departments:

**Master's degree in Engineering/Technology** in the relevant area of research along with Bachelor's degree in appropriate branch of Engineering/Technology with first class or minimum 60 % marks (or CGPA of 6.5 in 10 point scale of equivalent).

**Bachelor's degree in Engineering or Technology or equivalent** in any discipline with a minimum CGPA of 7.5 out of 10 or minimum of 70 % of marks. Candidates must have a valid GATE score to avail institute fellowship. However, candidates having industrial experience (PSU/MNC, Govt. undertaking) of at least five years may be exempted from mandatory valid GATE score. Final year students are also eligible to apply, provided at the time of admission he/she should produce final grade card failing which his/her admission will stand cancelled.

**Master's Degree in appropriate branch of Science** with a first class or minimum 60% marks (or CGPA of 6.5 in 10 point scale or equivalent) or equivalent at Master's level.

Relaxation in minimum percentage / Equivalent grade point requirements will be as per the National Reservation Policy of Govt. of India. The preference shall be given to the valid UGC/CSIR/NET/GATE qualified candidates.

## D. FELLOWSHIP TO FULL-TIME CANDIDATES

Candidates are allowed to receive revised monthly fellowship as per Government and Institute norms subjected to availability of funds.





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## E. SELECTION PROCEDURE

Selection will be done through written test and/or personal interview by respective departments.

### How to apply:

The application form can be downloaded from the institute website. Candidates are advised to visit the institute website for frequent updates. A candidates interested in applying in more than one department/Category shall be required to submit separate application forms along with appropriate fees and documents.

A non-refundable fee for Rs. 100/- (Rs 50/- for ST/SC/PwD candidates) is to be deposited to Canara bank account Name: "NIT,AP FEE ACCOUNT" Account number: 3435101005134, IFSC- CNRB0003435, MIRC – 791015002. And the deposited slip is to be attached with the application form.

The dully filled application form with documents are to be emailed to the respective HoD as given in page no. 4 with subject " **PhD admission in the department of XYZ** )". The candidates are required to produces original documents (for verification purpose) along with NOC to respective HoDs if selected.

**Late receipt of application/mail shall not be entertained in any circumstances.**

### Important dates:

Last date of submission of application form	12 <sup>th</sup> May 2023 till 5PM
Publication of shortlisted applicant	24 <sup>th</sup> May 2023
Date of written test followed by interview	26 <sup>th</sup> – 28 <sup>th</sup> June 2023
Display or notification of result in website	14 <sup>th</sup> July 2023(tentative)
Date of admission	7 <sup>th</sup> – 8 <sup>th</sup> August 2023
Commencement of class	21 <sup>st</sup> August 2023 (tentative)

### Application check list:

The complete application should accompany by the following documents:

1. Self-attested copy of mark sheet/grade card of X,XII and collage,
2. Self-attested copy of age proof certificate,
3. Self-attested copy of community certificate in case of ST/SC candidates from competent authority ( not below the rank of Tahsildar), if applicable,
4. Self-attested copy of **valid** community certificate in case of OBC candidates from competent authority ( not below the rank of Tahsildar) indicating the status regarding the creamy layer , if applicable,
5. Self-attested copy from competent authority for person with disability/ divyang (PwD).
6. Self-attested copy (Income & Asset Certificate) from competent authority for EWS category

Application without these required documents are liable to be rejected.

### How to reach NIT Arunachal Pradesh:

**Rail Link:** The nearest railway station is Naharlagun. This railway station is well connected to Guwahati railway station (daily), New Delhi (Bi-weekly). The Taxi for NIT AP (Jote campus) and share Auto service are also available at Naharlagun City or Naharlagun Railway Station.

**Air Link:** The nearest Airport is Donyi Polo Airport (Itanagar Airport) which is approximately 40km from the Institute. The flight services for Donyi Polo Airport to Kolkata, New Delhi, Mumbai and Guwahati are available.

### Whom to contact:


In case of any queries the candidate may contact the respective head of departments as per details given below:



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S/n	Name	Position	Contact details
1.	Dr. Nabam Rich	HOD (CE)	6033835958, nitapcehod@gmail.com
2.	Dr. Nabakumar Pramanik	HOD (CHE)	9436271050, pramaniknaba@gmail.com
3.	Dr. Rajat Subhra Goswami	HOD (CSE)	9436271052, nitapcsehod@gmail.com
4.	Dr. Sanjeev Kumar Metya	HOD (ECE)	9485231729, smetya@gmail.com
5.	Dr. Dipak Sen	HOD (ME)	9485231949, dipaksen.me@gmail.com
6.	Dr. S N Deepa	HoD(Ee)	9944679333, deepapsg@gmail.com
7.	Dr. Utpal Kumar Saha	HOD (BAS)	9436271194, uksahanitap@gmail.com

  
(Dr. Anup Paul)  
DIC, Academic

संकायाध्यक्ष/Dean  
शैक्षणिक/Academic  
राष्ट्रीय प्रौद्योगिकी संस्थान/National Institute of Technology  
अरुणाचल प्रदेश/Arunachal Pradesh, Jote-791113