



NATIONAL INSTITUTE OF TECHNOLOGY CALICUT
NITC CAMPUS P.O., CALICUT, KERALA - 673601

RECRUITMENT FOR FACULTY POSITIONS - 2022
(Advertisement No.: P1/456/FR/2022 dated 04/10/2022)

GENERAL INSTRUCTIONS / INFORMATION TO CANDIDATES

Candidates are advised to read all the instructions carefully before filling up the application.

1. Faculty positions are currently available in the following teaching Departments/Schools:

1. Architecture and Planning
2. Biotechnology
3. Chemical Engineering
4. Civil Engineering
5. Computer Science and Engineering
6. Electrical Engineering
7. Electronics and Communication Engineering
8. Management Studies
9. Material Science and Engineering (only for the post of professors – Pay Level 14A)
10. Mathematics
11. Mechanical Engineering
12. Physics

2. Detailed educational qualifications, experience, and other criteria for selection shall be according to the recruitment rules for Faculty in NITs as per Schedule E of the first statutes of the NITs (amendment statutes 2017) issued vide Gazette of India dated 24th July 2017, and clarification issued by Ministry of Education dated 16th April 2019.

3. Prescribed minimum qualification and experience for faculty positions are given in Annexure-I. Preferred areas of specializations in various departments are given in Annexure-II. For faculty members presently employed at NIT Calicut, all specializations are acceptable.

4. Candidates applying for more than one Department are required to submit separate application forms. Also, candidates applying for more than one pay level (AGP) in any department are required to submit separate application forms.

5. Applicants under General and OBC category have to pay a non-refundable fee of Rs. 2000/- per application, and applicants under SC, ST, PwD, and EWS category have to pay a non-refundable fee of Rs. 1000/- per application. Indian nationals applying from abroad can apply with a non-refundable application fee of Rs. 5000/-. Application fees has to be paid through "[SBI Collect](#)".

6. Reservation policy will be as per Govt. of India norms. Candidates belonging to SC/ST/OBC (non-creamy layer)/EWS categories should attach a photocopy of the certificate obtained from Revenue Authorities not below the rank of Tahasildar or from a First Class Magistrate of the place of domicile of the candidates clearly authenticating the

category to which they belong. Non-creamy layer OBC certificate / Income and Asset Certificate for EWS shall be obtained on or after 01/04/2022. The PwD category candidates should attach photocopy of the certificate obtained from Medical Board concerned including the percentage of their infirmity. Candidates must also clearly indicate the category to which they belong in the application form. Persons with disability having percentage above the minimum specified by Government of India shall only be eligible for the benefit of reservation. For the purpose of reservation of post, the Institution will be regarded as one unit.

7. Candidates who have acquired Ph.D. degree from NITC can apply only after having at least 3 years of Post-Ph.D. experience outside NITC. However, this is not applicable to the candidates who are already regular faculty members of NITC.
8. Besides the basic pay in the applicable pay level of the respective positions, admissible allowances like DA, TA, etc. are payable in accordance with Central Government / Institute Rules in force from time to time. Fresh appointees will be covered under the New Pension Scheme (NPS-2004) as per Government of India rules.
9. Period of probation will be one year, which may be extended by the Board of Governors of NIT Calicut depending on the performance during the first year.
10. Fresh appointment beyond the age of 60 years is discouraged except in the case of faculty with exceptionally brilliant research career and with on-going or approved externally funded research project.
11. Mere fulfillment of the required qualifications and experience does not entitle a candidate to be called for interview / selection. The Institute reserves the right to fill or not to fill any of the positions.
12. The Screening Committee shall shortlist the eligible and most desirable candidates to be called for interview from amongst the applicants, based on specialization, availability of candidates, and requirements of the departments. In doing so, it shall not be bound by the options exercised by the applicants.
13. The Institute reserves the right to restrict the number of candidates for interview to a reasonable limit on the basis of qualifications, experience, and credit points higher than those prescribed in this advertisement.
14. Canvassing in any form will disqualify the candidature of the applicant.
15. Selected candidates to the above faculty positions will be fixed in the minimum basic pay as per norms, and only the regular service at NIT Calicut will be counted for any purpose thereafter.
16. More than six months of experience in regular position in Institution of repute or any organization with a pay scale, will only be considered as total experience. Experience rendered on part-time, daily wages or as visiting faculty will not be counted as experience.
17. All Degree Certificates should be from recognized Universities / Institutes. Candidates should have first class degree from Bachelor's Degree onwards. Candidate's UG/PG degree should be relevant to the department concerned.

18. Candidates presently employed must apply through proper channels OR shall provide “No Objection Certificate” while applying or at the time of Interview failing which they will not be considered for interview.
19. Candidates will have to appear for the test and/or interview at their own cost, if called before the Selection Committee, which will be separately notified to the candidates.
20. Selected candidates should be prepared to join duty within the time granted.
21. No correspondence whatsoever will be entertained from candidates regarding the reason for not being called for interview / outcome of interview.
22. The candidate is responsible for the correctness of the information provided in the application. If it is found, at a later date, that any information given in the application is incorrect / false, the candidature / appointment is liable to be cancelled / terminated.
23. Candidates are requested to keep the following documents ready for uploading with the application.
 - A valid photo ID
 - Proof of date of birth
 - Transaction ID of the application fee paid through SBI collect
 - Category certificate for SC/ST
 - Category certificate for OBC (Non-Creamy Layer) / EWS (Income and Asset Certificate) obtained on or after 01/04/2022
 - Category certificate for PwD
 - Academic records (Marks/Grade Cards and Certificates from SSLC/Matriculation onwards up to Ph.D.)
 - Experience certificates
 - Salary certificate/Pay Slip of current employment
 - Publication, patents and copyrights details
 - Details of Workshops/Conferences/Short Term Programs organized
 - Certificate of Training/Summer/Winter Schools attended
 - Conferences/Workshops attended and presented papers
 - Details of Sponsored and Consultancy Projects
 - Fellowship/Membership of Professional Bodies
 - Awards and Recognitions
 - Testimonials
 - Other Relevant Certificates
24. This being an advertisement governed by the Flexible Faculty Recruitment Rules, relevant instructions from Ministry of Education (Govt. of India) issued till the date of the interview will be applicable. Candidates are advised to browse the Institute website: www.nitc.ac.in for relevant information and updates on the recruitment process.
25. Any disputes arising out of or in any way connected with this selection process shall be deemed to have arisen in Kozhikode, Kerala and only the courts in Kerala shall have the jurisdiction to determine the same.

How to apply:

1. Visit the official website of the institute <http://www.nitc.ac.in>
2. Click on the “**Recruitment Portal**” link given in the advertisement for faculty positions.
3. Register with your E-mail Id and mobile number. You can set your own password. An E-mail will be sent to your registered E-mail Id for verification. Once you click the verification link, the login will be activated.
4. Candidate can login with the registered E-mail Id and the password created to complete the submission of application and data sheet.
5. Please click and read the ‘**Instructions to apply**’ given in the portal carefully. Follow the instructions as you go on filling the application form and data sheet.
6. Candidate has to fill up the Application online form including the Data sheet and submit. Before submission, the candidate can use the ‘**Preview**’ button to check the filled Application. After submission, further changes in the Application will not be permitted.
7. The important dates to note are as follows:

Opening date of online portal	: 04/10/2022 (8.00 AM)
Last date for submission of online application	: 19/10/2022 (11.00 PM)

Proceed to Recruitment Portal for applying online

ANNEXURE- I

**Prescribed Minimum Qualification and Experience for Faculty Positions in
all Departments/Schools *except Architecture and Planning Department***

Name of the post, Pay level in 7th CPC (Pre-revised AGP),	Essential Qualification	Relevant Experience	Cumulative Essential Credit Points*
Assistant Professor (Grade II), Pay level: 10 (AGP 6000)	Ph.D. with consistently good academic record	Nil	Nil
Assistant Professor (Grade II), Pay level: 11 (AGP 7000)	Ph.D. with consistently good academic record	01 year post Ph.D. experience of Teaching and Research in Institution of repute / Industry.	10
Assistant Professor (Grade I), Pay level: 12 (AGP 8000)	Ph.D. with consistently good academic record	03 years after Ph.D. or 06 years total teaching and research experience in reputed academic Institute / R&D labs / relevant industry.	20
Associate Professor Pay level: 13A2 (AGP 9500)	Ph.D. with consistently good academic record	06 years after Ph.D. of which at least 3 years at the level of Assistant Professor with pay level 12 (AGP Rs. 8000/-) Or 09 years total working experience, of which 3 years should be after Ph.D., with at least 3 years at the level of Assistant Prof with pay level 12 (AGP Rs.8000/-)	50
Professor Pay level: 14A (AGP 10500)	Ph.D. with consistently good academic record	10 years after Ph.D. or 13 years total working experience, out of which 07 years should be after Ph.D. At least 03 years at the level of Associate Professor with pay level 13A2 (AGP of Rs.9500/-) or 04 years at the level of Associate Professor with pay level 13A1(AGP of Rs.9000/-) or combination of both pay levels, or equivalent in an Institution of repute / R&D lab or relevant industry	80

**Prescribed Minimum Qualification and Experience for Faculty Positions in
Architecture and Planning Department**

Name of the post, Pay level in 7th CPC (Pre-revised AGP)	Essential Qualification	Relevant Experience	Cumulative Essential Credit Points*
Assistant Professor (Grade II), Pay level: 10 (AGP 6000)	M. Arch./M. Plan. with consistently good academic record	One year professional experience	Nil
Assistant Professor (Grade II), Pay level: 11 (AGP 7000)	M. Arch./M. Plan. with consistently good academic record	Two years professional experience	Nil
Assistant Professor (Grade I), Pay level: 12 (AGP 8000)	Ph.D. with consistently good academic record	03 years after Ph.D. or 06 years total teaching and research experience in reputed academic Institute / R&D Labs / relevant industry.	20
Associate Professor Pay level: 13A2 (AGP 9500)	Ph.D. with consistently good academic record	06 years after Ph.D. of which at least 3 years at the level of Assistant Professor with pay level 12 (AGP Rs. 8000/-) Or 09 years total working experience, of which 3 years should be after Ph.D., with at least 3 years at the level of Assistant Professor with pay level 12 (AGP Rs.8000/-)	50
Professor Pay level: 14A (AGP 10500)	Ph.D. with consistently good academic record	10 years after Ph.D. or 13 years total working experience, out of which 07 years should be after Ph.D. At least 03 years at the level of Associate Professor with pay level 13A2 (AGP of Rs.9500/-) or 04 years at the level of Associate Professor with pay level 13A1 (AGP of Rs.9000/-) or combination of both pay levels, or equivalent in an Institution of repute / R&D lab or relevant industry	80

*As per the guidelines given in the "Schedule E" of NITs statutes
(Issued vide Gazette of India No. 651 dated 24th July 2017 and clarifications dated 16th April
2019) – Copy enclosed

ANNEXURE- II

Research areas/specialization required in various Departments/Schools

Sl. No:	Department/School	Area of Specialization
1	Architecture and Planning	Architecture: B.Arch. with Masters/ Ph.D. in Architecture/ Planning/ Design/ Technology/ Management/ Fine Arts/ or equivalent.
		Civil (Structural): Ph.D. and Masters in structural Engineering, B.Tech. Civil Engineering.
2	Biotechnology	Master's degree in Plant and Agricultural Biotechnology (Molecular farming, and Transgenic plants)/Fermentation Technology (Biochemical Engineering/ Bioreactor design and Food Biotechnology)/ Instrumentation (Biomedical devices and sensors)/ Synthetic Biology.
3	Chemical Engineering	Molecular dynamics (MD) and simulation., Catalysis and Reaction Engineering, Process design and System Engineering, Transport processes and Thermodynamics, Renewable energy, Particle technology and Engineering, Food technology and Engineering, Polymer science and Engineering, Process safety and fire Engineering, Artificial Intelligence and Machine learning in Chemical Engineering.
4	Civil Engineering	Structural Engineering, Geotechnical Engineering/ Environmental Geotechnology, Hydraulic/ Water Resources Engineering/ Hydrology Transportation Engineering, Geomatics, Offshore Structures, Construction Technology and Management, Transportation Engineering, Environmental Engineering.
5	Computer Science and Engineering	Algorithms and Complexity, Computer Architecture, Database Systems, Distributed Computing, Logic and Verification, Program Analysis, Quantum Computing, Statistical Learning Theory, Software Engineering, Systems Software.
6	Electrical Engineering	B. E. / B. Tech. degree in Electrical Engineering / Electrical & Electronics Engineering / Instrumentation & Control Engineering / Applied Electronics & Instrumentation Engineering with specialization in Power Systems/Instrumentation & Control Systems/ Industrial Power & Automation/ Power Electronics/ High Voltage Engineering/ Signal Processing.
7	Electronics and Communication Engineering	Signal Processing, Artificial intelligence, Machine Learning, Data science, Wireless Communication and Networking, Microwave, Terahertz and Photonic integrated circuits, Analog/Mixed-signal/RF Integrated Circuit and System Design; Digital System Design, Micro and Nano electronic devices and materials, Embedded systems, Internet of Things, Cyber Physical Systems and Robotics, Quantum Technologies and applications in computing, Communication & Cryptography.
8	School of Management studies	Business Analytics & Systems, Financial Management, Operations Management, English Language Education (ELE) or English Language Teaching (ELT).

9	School of Material Science and Engineering	B. Tech. in Metallurgy/Materials Science and Engineering with M. Tech. and Ph.D. in Metallurgy/Materials Science and Engineering. Desirable: Experience in Computational Materials Science.
10	Mathematics	Numerical Computing, Algebra/Analysis/Geometry, Operations Research/ Applied Probability/Statistics/Data Science.
11	Mechanical Engineering	Industrial Engineering and Management, Manufacturing and Material Science, Mechanics and Machine Design, Thermo-fluid and Energy.
12	Physics	Quantum Computation and Information Theory (Foundations of Quantum Theory, Quantum Decoherence, Quantum Cryptography, Quantum Simulation, Quantum Algorithms, Quantum Error Correction), Condensed Matter Theory (Quantum Materials, Field theoretical approaches to Condensed Matter, Quantum phase transitions and criticality, Topological phases of Quantum Matter, Strongly Correlated systems, Quantum Hall systems), Gravitational Waves .

NOTE: Serving faculty members of all Departments/Schools of the Institute shall be eligible to apply for higher positions in their own Departments/Schools irrespective of vacancy/specializations available, if they satisfy other advertised criteria.