



**NATIONAL INSTITUTE OF TECHNOLOGY  
CALICUT – 673 601 (KERALA)  
URL:www.nitc.ac.in**

**STANDING ADVERTISEMENT  
FOR**

**FACULTY OPENINGS**

**IN ALL BRANCHES OF ENGINEERING/ ARCHITECTURE/ MATHEMATICS/  
MANAGEMENT/ SCIENCE AND HUMANITIES**

(Released on 29-01-2009)

National Institute of Technology Calicut, an Institute of National Importance established under the NIT Act, 2007 invites applications from Indian nationals, possessing excellent academic background, commitment to quality teaching and potential for carrying out outstanding research, for faculty positions at the level of Professor, Assistant Professor and Lecturer in various Departments of the Institute.

The appointment to the positions of Professor and Assistant Professor will be in the regular cadre. Candidates aspiring to the position of Lecturers having Ph.D. degree will be considered for appointment in the regular cadre and candidates without Ph.D. degree will be on a contract for a period of 3 years duration on year to year basis or till the candidate acquires Ph.D. degree which ever is earlier. The contract will be renewable every year on the condition of satisfactory progress of Ph.D. work, good conduct and good performance in teaching. Fresh Ph.D. Degree holders may be considered for the position of Senior Lecturers. The Institute has flexible cadre structure among Lecturer, Senior Lecturer and Asst. Professor positions (as per the pre revised pay scale structure).

The number of vacancies in each cadre (tentative) is given below. The number of vacancies is subject to change and are not final, but only indicative.

**Number of vacancies (tentative)**

Professor	-	7
Asst. Professor	-	23
Lecturer	-	31

**Reservations** : Reservation is applicable to the position of Lecturer and is as per Government of India Rules. Candidates applying under OBC reservation have to submit the recent OBC certificate in the prescribed format given along with the application form. Candidates claiming PH reservation have to submit the certificate in the prescribed format given along with the application form.

Interested persons can respond to this advertisement through email, with detailed resume either in the prescribed format or otherwise. The applications will be screened initially by the faculty Search Committee of the Institute. If found suitable for further processing, the applicants will be requested to supplement the applications with supporting materials. Short-listed candidates will have to appear for an interview before the selection committee, either in person, or by video conferencing in the case of candidates stationed abroad at the time of interview and are hence not able to attend the interview in person.

Those who have already applied for a faculty position in this institute within the last one year and not called for interview/selected during the interviews need not apply again unless and otherwise they have acquired higher qualification/s after submission of their earlier application.

Interested persons may send their resume for consideration to the email address [search@nitc.ac.in](mailto:search@nitc.ac.in) to reach the chairperson with a copy to [director@nitc.ac.in](mailto:director@nitc.ac.in). The applications by post (hardcopy with enclosures) may be sent to the Convener Search Committee NIT Calicut, NIT Campus P.O, Calicut, Kerala-673 601. Further clarification can be obtained by sending e-mail to the above e-mail address. The broad areas of specialization for which the Institute is interested at present are listed below.

The institute reserves the right to call for interview all the eligible candidates or short listed candidates after a screening by the institute and/or to defer or cancel the selection process at the discretion of the institute without assigning any reason whatsoever. The decision of the institute in this regard will be final and binding on all the applicants who respond to this advertisement. No interim communication on the status of application will be entertained.

Candidates for lecturer's positions may have to deliver a demo-lecture of 5-10 minutes duration during the interview on a topic other than their research.

Personal interview calls to the eligible candidates will be issued through their ***E-mail id only and will also be placed on the institute website.*** Candidates should express their willingness to appear for the interview by reply e-mail.

### Specialization

Discipline	Broad Areas of Specialization
<b>Architecture</b>	Urban Design, Urban and Regional Planning, Interior Architecture, Landscape Architecture, Architectural Conservation, Housing, Transportation Planning and Design, Sustainable Human Habitat, Environmental Architecture, Rural Architecture, Architecture and Construction Project Management, Digital Architecture, Computer Aided Architectural Design, City Planning.
<b>Bio-Technology</b>	Microbiology, Bio-Chemistry, Molecular Biology, Bio-Statics, Plant Bio-Technology, Bio-Informatics, Enzyme Engineering, Genetic Engineering, Bio-Process Plant Design, Immuno Technology, Molecular Bio-Physics, Cell & Tissue Engineering.

<b>Chemical Engineering</b>	Process Dynamics and control, Simulation and Modeling, Computer Aided Process and Equipment Design, Transfer Operations, Particle Technology, Multiphase flow, Thermodynamics and Reaction Engineering, Polymer Science and Technology, Separation Technology, Environmental Engineering, Biochemical Engineering.
<b>Civil Engineering</b>	Structural Engineering, Geotechnical Engineering, Transportation Engineering, Environmental Engineering, Water Resources Engineering, Construction Management, Offshore Structures, Infrastructure Development and Management, Environmental Geotechniques.
<b>Computer Science and Engineering</b>	Information Security, Computer Architecture, Computer Networks, Operating Systems, Database Systems, Programming Languages & Compilers, Software Engineering, Graphics and Multimedia, Distributed Computing, Image Processing and Pattern Recognition, Theoretical Computer Science, Logic and Verification, Algorithms and Complexity, VLSI Design, Data Communication, Digital Signal Processing.
<b>Electrical Engineering</b>	Electrical Machines, Power Systems, Energy Systems, Energetics, Energy Studies, Power Electronics and Drives, Power Electronics, Industrial Electronics, Control Systems, High Voltage Engineering, Instrumentation and Control, Microprocessor and Embedded systems, Electronics and Circuits and Systems, Digital Signal Processing, Image Processing, Biomedical Instrumentation, Systems and Control Engineering, Process Automation & Control, Applied Electronics & Instrumentation, Computer Controlled Industrial Power, Computer Applications in Power Systems.
<b>Electronics and Communication Engineering</b>	Communication Systems, VLSI Design, Embedded Systems, Telecommunication & Networking, Digital Signal Processing, Electronics Instrumentation, Computer Vision & Image Processing, Microelectronics, Microwave Engineering, Electronic Design & Technology.
<b>Mathematics</b>	Scientific Computing/ Numerical Methods, Computer applications, Mathematical Modelling, Operations Research, Applied Mathematics, Discrete/ Fuzzy Mathematics, Soft Computing , statistics.
<b>Mechanical Engineering</b>	Mechanics of Machinery, Machine Design, Vibration, Tribology, CAD/CAM, Mechatronics, Robotics, Thermodynamics, Thermal Engineering, Fuels and Combustion, Refrigeration & Air-conditioning, Cryogenics Engineering, Heat Transfer, Fluid Mechanics, Production Engineering, Flexible Manufacturing, Metal Foaming, Surface Engineering, Industrial Engineering, Industrial Management, Operations Research, Quality Engineering and Management, Lean Manufacturing, Advanced Materials, Composite Materials and Technology, Physical Metallurgy, Process Metallurgy, Nano Technology.

<b>Management</b>	Operations Management, Finance Management, Marketing Management, Human Resource Management, Micro Economics, Strategic Management, Business Intelligence, Organizational Behavior.
<b>Science and Humanities</b>	<p><b>Physics:</b> Optical Engineering, Optical Communication, Photonics, Applied Optics, Computational Physics, Applied Electronics, Solid State Physics.</p> <p><b>Economics:</b> Econometrics, Industrial Economics, Applied Economics, Development Economics, International Economics, Business Economics, Managerial Economics.</p> <p><b>Chemistry:</b> Inorganic Chemistry and Theoretical Chemistry, Organic Chemistry.</p> <p><b>English:</b> Communication, Business English, Technical Writing, English Language Teaching.</p>

Chair Person, Search Committee  
For DIRECTOR