

NATIONAL INSTITUTE OF TECHNOLOGY CALICUT, KERALA

NOTIFICATION FOR FACULTY RECRUITMENT – 2013

(Faculty openings in Technology, Science, Architecture and Management at NIT Calicut, Kerala)

National Institute of Technology Calicut, Kerala, established under Act XXIX/ 2007 of the Parliament is one of the leading technological institutions in the Country with nearly 6000 students enrolled for various UG, PG and Ph.D. programmes in Technology, Science, Architecture and Management. The Institute invites applications from Indian nationals, possessing consistent excellent academic record, commitment to quality teaching and potential for carrying out outstanding research, for the post of Assistant Professors in various departments against the backlog reserved vacancies for Scheduled Caste (SC), Scheduled Tribe (ST), Other Backward Communities (OBC) and Persons with Disabilities (PWDs) and also under open merit quota as detailed below. Candidates belonging to SC, ST and OBC desirous of considering for selection under UR category also shall specifically indicate so in column 4. Reservation quota for PWDs will be counted against the respective community. Young, meritorious, dynamic and student friendly academicians are welcome to join hands with the existing team in their effort to transform this Institute to a world class educational institution.

Candidates possessing Ph.D. degree will be considered for appointment on contract basis initially. They will be considered for movement to AGP ₹7000 after one year of satisfactory performance. Meritorious candidates possessing M.Tech./M.Phil. (*) with remarkably good potential to carry out outstanding research and already pursuing Ph.D. or aspiring to pursue Ph.D. will also be considered for appointment on contract, initially for a period of 3 years, extendable for a further period of 2 years on a year to year basis or till the candidate acquires Ph.D. degree whichever is earlier. Renewal of contract will be done on an annual basis, subject to satisfactory progress of Ph.D. work, good conduct and good performance in teaching. Faculty appointed on contract basis will not be treated as regular staff till they are regularized, subject to the conditions stated earlier. The Institute has adopted 4-tier flexible faculty structure recommended by MHRD.

Details of vacancies are furnished below

1. Backlog vacancies of Assistant Professors in PB-3 ₹15600-39100 + AGP ₹6000 (Special Recruitment)

Sl. No.	Category	Number of vacancies (approx.)	Minimum qualification
1	Scheduled Caste (SC)	8 (including one PWD)	Ph.D. in relevant area of specialisation in the respective disciplines with consistent excellent academic record*. Upper age limit 40 years as on 1.10.2013.
2	Scheduled Tribe (ST)	7	
3	Other Backward Communities (OBC)	12	

**2. Open quota vacancy of Assistant Professors in PB-3 ₹15600-39100 + AGP ₹6000
(General Recruitment)**

Sl. No.	Category	Number of vacancies (approx.)	Minimum qualification
1	Unreserved (UR)	10 (including one PWD)	Ph.D. in relevant area of specialization in the respective disciplines with consistent excellent academic record*. Upper age limit 35 years as on 1.10.2013.

* Candidates should have passed both Bachelors and Masters degree through regular program in the desired branch of study with minimum 60% marks (CGPA 6.5/10). For SC/ST candidates, the minimum is 55% marks (CGPA 6.0/10).

Vacancies that are likely to arise in a period of one year will be filled up from the rank list prepared during the interviews, subject to clearance of a proposal in this regard by the Board of Governors (BoG) of the Institute. Candidates applying for reserved vacancies will have to submit attested copy of the relevant certificate issued by competent revenue authority of the place of domicile of the candidates clearly authenticating the category to which they belong along with the application and enter the category and community name in the relevant column of the application form. Candidates applying for posts reserved for OBCs and PWDs shall have to submit the relevant certificate issued by appropriate authorities and also a certificate for eligibility to apply for posts reserved under the respective category. All certificates and testimonials submitted by the applicants are subject to verification with the respective authorities. In the event of genuinity and eligibility of the certificates proven wrong/ false, candidature/ appointment will be cancelled forthwith.

Interested candidates within the prescribed age limit may send the applications in the prescribed format along with copies of certificates proving eligibility in sealed covers superscribing 'Application for faculty position in NIT Calicut' and addressed to **The Registrar, NIT Calicut, NIT Campus P.O., Calicut, Kerala -673 601 on or before 29.11.2013 by speed/ registered post. Candidates already employed in Government/Quasi-Government undertakings shall forward their applications through proper channel.** The application along with all attachments should be neatly tagged below a covering letter to the NIT Calicut, **containing a brief self-appraisal and also stating how you can contribute to the growth of the Institute, if you are appointed.** Originals of all certificates should be produced at the time of interview. Shortlisted candidates residing in India will have to appear for an interview in person and candidates stationed abroad may appear through video conferencing on the date and time fixed for the interview. NRI applicants shall submit the original certificates for verification as and when called for during the process of selection. **All candidates will be paid to and fro sleeper class train fare from the railway station nearest to the residence of the candidate in India on production of tickets.** Request for any change in the date and time allotted for interview will not be entertained. **Those who have already applied for a faculty position against the standing advertisement published in the Institute website during the last three years shall also apply afresh as per this notification.**

The Institute reserves all the rights regarding faculty selection as per this advertisement - such as right to call all the candidates or only short listed candidates found eligible for interview or to defer or cancel the selection process without assigning any reason whatsoever. The decision of the Institute in this regard will be final and binding on all. No interim communication on the status of selection will be entertained. **Mere satisfaction of the minimum criteria may not entitle an applicant to be short**

listed and called for interview. Canvassing in any form will be a disqualification. During the interview, the candidates may be required to deliver a demo-lecture for 5-10 minutes on any topic in their respective discipline other than their area of research. Personal call letters to the eligible candidates for interview will be sent through Registered Post and email. List of candidates called for interview will be put up in the Institute website. Candidates should confirm their willingness to appear for the interview by reply e-mail.

Indicative list of broad areas of specialization are listed below

Discipline	Broad Areas of Specialization
Civil Engineering	Structural Engineering, Geotechnical Engineering, Transportation Engineering, Environmental Engineering, Water Resource Engineering, Construction Management, Offshore Structures, Infrastructure Development and Management, Environmental Geo-techniques, Geomatics.
Mechanical Engineering	Mechanics/Dynamics of Machinery, Machine Design, Vibration, CAD/ CAM /CAI, Mechatronics, Robotics, Thermodynamics, Thermal Engineering, Fuel and Combustion, Refrigeration & Air-conditioning, Cryogenics Engineering, Heat Transfer, Fluid Mechanics, Production Engineering, Flexible Manufacturing, Metal Forming, Surface Engineering, Industrial Engineering, Industrial Management, Operations Research, Quality Engineering and Management, Advanced Materials, Composite Materials and Technology, Physical Metallurgy, Process Metallurgy, Metal Cutting, Metrology.
Electrical Engineering	Power Electronics and Drives, Power Electronics, Industrial Electronics, Control Systems, High Voltage Engineering, Microprocessor and Embedded Systems, Electronics Circuits and Systems, Signal Processing, Image Processing, Biomedical Engineering, Systems and Control Engineering, Process Automation & Control, Applied Electronics & Instrumentation, Computer Controlled Industrial Power, Computer Applications in Power Systems, Instrumentation and Control Engineering, Industrial Power & Automation.
Electronics and Communication Engineering	Communication Systems, VLSI Design, Embedded systems, Telecommunication & Networking, Digital Signal Processing, Electronics, Instrumentation, Computer Vision & Image Processing, Microelectronics, Microwave Engineering, Electronic Design & Technology.
Computer Science and Engineering	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.
Chemical Engineering	Process Dynamic 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/Biochemical Engineering.
Architecture	Urban Design, Urban and Regional Planning, City Planning, Interior Architecture, Landscape Architecture, Housing, Transportation Planning and Design, Sustainable Urban Development, Infrastructure Planning, Environmental Architecture, Rural Architecture, Architectural Conservation, Architecture and Construction, Construction Project Management, Computer Aided Architectural Design.

Biotechnology	Bioinformatics, Immunology, Biochemical Engineering.
Nanotechnology	Any specialization area of Nanotechnology with basic degree in Science/Engineering
Mathematics	Scientific Computing/ Numerical Methods, computer applications, Mathematical Modeling, Operations Research, Applied Mathematics, Discrete/Fuzzy Mathematics, Soft Computing, Statistics.
Physics	Applied Electronics and Instrumentation, Applied Optics, Astrophysics, Computational Physics, Condensed Matter Physics, High Energy Physics, Material Science, Nuclear Physics, Theoretical Physics.
Chemistry	Inorganic Chemistry and Theoretical Chemistry, Organic Chemistry, Physical Chemistry, Solid State Chemistry.
Humanities	<u>(i)Economics</u> : Econometrics, Industrial Economics, Applied Economics, Development Economics, International Economics, Business Economics, Managerial Economics. <u>(ii)English</u> : Communication, Business English, Technical Writing, English Language Teaching.
Management	Operations Management, Finance Management, Marketing Management, Human Resource Management, Micro Economics, Strategic Management, Business Intelligence, Organizational Behaviour.

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