



राष्ट्रीय प्रौद्योगिकी संस्थान, राउरकेला
NATIONAL INSTITUTE OF TECHNOLOGY, ROURKELA

Advt. No. - 02/2011

ADVERTISEMENT FOR RECRUITMENT OF FACULTY POSITIONS

NIT, Rourkela invites applications from Indian nationals possessing excellent academic background along with commitment to quality teaching and potential for carrying out relevant research for faculty positions at the level of **Professor, Associate Professor and Assistant Professor.**

POST	QUALIFICATION	EXPERIENCE	AGE LIMIT	PAY SCALE	NO. OF POSTS (Provisional)	
Assistant Professor		Nil	35	PB-3 AGP-6000/ 7000/ 8000	SC	14*
					ST	10*
					OBC	35*
					UR	30*
Associate Professor	Ph. D degree with 1 st class (60%) or equivalent grade (6.5/10) at the B.Tech. / M.Sc. / M.A / MBA level in appropriate branch.	At least 6 years of post Ph. D teaching/ research/industrial experience out of which at least 3 years should be at the level of Assistant Professor or equivalent.	40	PB-4 AGP-9000	11*	
Professor		At least 10 years of post Ph. D teaching/ research/industrial experience, out of which at least 4 years should be at the level of Associate Professor or equivalent.	50	PB-4 AGP-10000	10*	

*Number of vacancies including those under reserved categories are purely provisional.

Notes

1. Short listing criteria may be higher and narrower than those advertised.
2. All Qualification, Experience and preferred age limit will be considered as on **01/07/2011**.
3. Pay and allowances will be as applicable to Central Government employees at Rourkela.
4. Higher starting pay and/or AGP may be offered to deserving candidates on recommendation of the selection committee at the discretion of the Board of Governors.
5. **Reservation will be as per Government of India rules.**

6. Ph. D is compulsory for Science and Humanities subjects. However candidates expecting award of Ph. D degree within one year will also be considered for appointment as Asst. Professor on contract for one year or till award of Ph. D degree.
7. Exceptionally talented candidates with M. Tech degree will be considered only for appointment as Asst. Professor on contract for 3 years or till award of Ph. D degree, extendable by 2 more years on recommendation of a second selection committee.
8. The performance and progress of Asst. Professors on contract towards acquiring Ph. D degree will be monitored continuously and the appointment shall be terminated if progress is not found satisfactory at any stage.
9. The contract position will be regularized w.e.f date of joining on acquiring Ph. D degree.

Appropriate Branch

The following paras provide some exceptions or clarifications to “**appropriate Branch**”.

1. **Computer science & Engineering**: B. Tech in Computer Science followed by M. Tech/Ph. D., or B. Tech in Electronics/Electrical Engineering followed by M. Tech/Ph. D. in Computer Science. Candidates with other backgrounds and Ph. D in Computer science may be considered on the basis of the subjects studied, Ph. D. topic and post Ph. D. experience.
2. **Electronics & Communication Engineering**: Candidates having B. Tech. in Electrical Engineering will be eligible depending on the curriculum covered.
3. **Humanities & Social Sciences**: Post Graduate degree in Economics/English or B. Tech degree in any branch followed by Ph.D.
4. **Biotechnology**: Ph. D or M. Tech. in Biotechnology or in a related branch of engineering with B. Tech. in any branch of engineering. Candidates with M. sc. degree followed by M. tech. and Ph. D. in Biotechnology will be considered on the basis of subjects studied, M. tech. and Ph. D. research topics and post Ph. D. experience.
5. **Medical Engineering**: Ph. D. or M. Tech. with B. Tech in Biomedical Engineering, Electronics Engineering, Electrical Engineering, Mechanical Engineering, Metallurgical Engineering, Materials Engineering, Instrumentation Engineering, and Chemical Engineering **Or** B. Tech. in any branch of engineering with Ph. D and post PH.D work in the area of Medical Engineering.

Academic Reimbursements and Incentives:

In addition to normal pay and allowances as applicable to the central Govt. employees stationed at Rourkela, following additional incentives are also available to the faculty members:-

1. Full funding for attending national conference either for presenting a paper or chairing session as per Institute guidelines.
2. Financial assistance up to Rs. 3.00 lakhs in 3 years under Professional Development Fund.
3. Reimbursement of telephone charges up to Rs.500/- per month.
4. Reimbursement of **relocation charges** from within India to join the institute.

5. Honorarium of 15,000/- per month to the teachers who have obtained Bhatnagar Award OR are having fellowship of two national Academies. A faculty member is entitled for only one honorarium.
6. Attractive Medical facility including referral to outside specialized and reputed hospitals.

Accommodation: Suitable residential accommodation as per rules subject to availability will be provided in the Campus of the Institute. HRA may be paid in lieu of residential accommodation.

SPECIALIZATION (Indicative only and subject to change as per requirement)

Department	Areas of Specialization
Biotechnology And Medical Engineering	Immunotechnology/Bio-informatics/ Plant Biotechnology/ Animal Biotechnology/ Genetic Engg./ Structural Biology & Drug Design/ Biochemical Engg. Environmental Engg./ Cancer Biology/ Molecular Biophysics/ Cell & Tissue Engg./Proteomics, Protein Chemistry & Protein Engineering/ Biophysics & Biochemistry/ Microbiology/Medical Biotechnology/Stem Cell Biology/Virology. Tissue Engg./ Biomedical Imaging/ Signal Processing/ Bioelectronics/ Biothermodynamics/ Biomedical Instrumentation and control/ Bio-equipment design/ Clinical Biochemistry/ Biomechanics/ Rehabilitation Engg./ Bio-fluid Dynamics/ Immunology/ Hospital Management/ Medical Informatics.
Business School	Marketing / HRM / IT & Systems / Accounting & Finance / Business Economics / Commercial Banking
Ceramic Engineering	Refractories, Structural Ceramics/ Nanomaterials/ Bio-ceramics/ Composites/ Glass & Glass Ceramics/ Thin Films and Coatings.
Chemical Engineering	Transfer operations/ Process dynamics & control/ Simulation and Modeling/ Particle technology/ Multiphase flow/ Thermodynamics and reaction Engineering/ Polymer Science/Separation Technology/Environmental Engg./CA Process & Equipment Design .
Chemistry	Organic / Inorganic / Physical / Environmental Chemistry
Computer Science Engineering	Information and Network Security/ Computer Architecture/ Microprocessor Based Systems/ Embedded Systems/ Data Communication/ Computer Networks/ VLSI Design/ Database Engineering/ Software Engineering/ Soft Computing/ Web Engineering, Systems Simulation/ Theoretical Computer Science/ Image Processing and Computer Vision/ Parallel and Distributed Computing/ Digital Signal Processing/ Data Compression.
Civil Engineering	Transportation/Structural/Environmental/Water Resource Management.
Electrical Engineering	Electrical Machines/Power System/ Power Electronics & Drives/ Control Systems/ High Voltage Engineering/ Instrumentation/ Signal Processing/ Communications Systems/ Microprocessors & Embedded Systems/ Electronic Circuits & Devices.
Electronics & Communication Engineering	Communication Systems/VLSI Design and Embedded Systems/ Telecommunication and Networking/ Digital Signal Processing/ Systems & Control Engineering/ Electronic Instrumentation/Process Control/ Computer Vision and Image Processing/ Soft Computing.

Mathematics	Analysis/ Algebra/ Topology/ Probability and Statistics/ Advanced Computing/ Fluid Dynamics/ Operational Research.
Mechanical Engineering	Mechanisms / Structural Mechanics and Analysis / Machine Design / Machine Dynamics / Tribology / Robotics and Mechatronics / Compression and Expansion Machines / Manufacturing Engg./ Precision Engg. / Non Conventional Machinery / Flexible Manufacturing / Industrial Engg./ Advance Materials and Composites / Vacuum Technology / Fluid Mechanics / Heat Transfer / CFD / Heat exchangers / Refrigeration / Cryogenic Engineering /
Metallurgy and Materials Engineering	Process Metallurgy/Physical Metallurgy/Materials Engineering/ Polymer Engineering.
Mining Engineering	Computer Application in Mines/ Mining Machinery/ Rock Excavation Engineering/ Mine Ventilation.
Physics	Low Temperature Physics /Material Science/ Mathematical Physics/ Condensed Matter Physics (Theory)/ Atomic and Molecular Physics/ Statistical Physics.
Humanities and Social Sciences	Economics: Environmental Economics/ Development Economics. English: Any Specialization. Social Work/ Sociology/ Anthropology/ Psychology: Development studies/Gender studies/Tribal studies/Rehabilitation Studies.
Life Sciences	Any specialization.
Industrial Design	Mechanical Design / Engineering Design / Industrial Design / Product Design / Ergonomic & Aesthetic Design / CAD-CAM / Mechatronics /Concept Design / Computer Graphics

General information:

1. Minimum requirement of experience may be relaxed for outstanding candidates.
2. Mere fulfillment of minimum qualification and experience requirements does not entitle any candidate for a call for interview. A short listing criterion may be set higher and narrower than the minimum advertised.
3. Depending on perceived availability of qualified candidates, different departments may set different short listing criteria.
4. Apart from merit, the specialization of a candidate within a department will play a vital role in selection, candidate with specialization in greater need by the department being given preference.
5. Experienced and/or meritorious candidates may be granted higher than starting pay on recommendation of selection committees.
6. For the same achievement In terms of research record, younger candidates will be given preference.
7. The Institute reserves the right to fill or not to fill any or all the posts advertised.
8. **Reservation for SC/ST/OBC/ Physically Challenged persons will be as per Government of India norms.**
9. Enclosures such as Publication, Research Plan etc as stated in the Application form should be sent along with the application form.
10. Application should be submitted on a signed hard copy only. **[PLEASE DO NOT SEND APPLICATION THROUGH ELECTRONIC MEDIA]**
11. Names and Addresses (with e-mail addresses and fax numbers) of at least three referees who may also be requested to send their reports directly in confidence to Director, NIT, Rourkela-769008.

12. Persons employed in Government and Semi-Government organizations must apply through proper channel.
Note: (a) For faculty members presently serving at NIT Rourkela, all specializations are acceptable.
(b) External candidates not possessing qualifying degrees/ in specified branches but possessing strong academic record with appropriate course background and relevant research experience will be considered on merit.
13. Candidates in an advanced stage of Ph.D. in any Institute are encouraged to apply. If selected, the candidate may be given time up to one year to complete Ph.D. and join NITR or complete the programme after joining NITR, to be decided by the Director.
14. Candidate without Ph.D. degree will be required to enroll in the Institute's Ph.D. programme while taking a reduced teaching load.
15. Candidates who are unable to attend the interview for being abroad or for any other reason will be considered in absentia. A specific request giving sufficient justification must be made in advance. Such candidates may be appointed under regular terms or under contract based on the judgment of the Selection Committee.
16. Students pursuing Ph.D. need to enclose a reference letter from thesis supervisor indicating status of his project.
17. Any other details may be submitted in a separate sheet.
18. No correspondence whatsoever will be entertained from the candidates regarding postal delays, conduct and result of interview and reasons for not being called for interview or selection.

HOW TO APPLY

- I. Applications must be in the prescribed format as available in the institute website only. Interested candidates may download the same from the website <http://www.nitrkl.ac.in> .
- II. Please mention **Post Applied** and **Department** on the left-top corner of the envelope containing the application.
- III. Application forms complete in all respects along with photocopies of certificates (Attestation not required), list of publications, reprints/preprints of publications and a detailed research plan should reach the to **"The Registrar, National Institute of Technology, Rourkela – 769 008, Odisha, INDIA"**.
- IV. **Last Date of Application – 15th July, 2011** for the School of Management, Biotechnology, Biomedical Engg., Chemistry and Humanities. **16th August, 2011** for all other disciplines.
- V. Application received after the last date may be considered in the forthcoming selection round or deferred to the next round depending on administrative convenience.
- VI. Incomplete application forms and applications without photograph, signature, etc. will not be entertained.
- VII. Candidates are required to attach a self addressed stamped (Rs.5/-) envelope (9"X4" size) along with the application for sending acknowledgement by the institute.

NOTE

1. Candidates who have applied earlier in response to Advt. Nos. – 02/2010 and 04/2010 for School of Management, Biotechnology, Biomedical Engg., Chemistry and Humanities need not apply again. Their applications are being considered for this round. However, they may send any additions and updates to qualification/experience/publication in brief preferably in one sheet.
2. Applications for faculty positions will be received any time during the year. Accumulated applications will be considered in the selection committee when it meets. Deserving candidates may be given short contract appointments depending on the need of the Institute and specialization of the candidate.

Sd/-
REGISTRAR