



**Advt. No. 02/2010**

**SPECIAL RECRUITMENT DRIVE FOR FILLING FACULTY POSITIONS UNDER  
RESERVED (SC, ST, OBC & PH) CATEGORIES**

NIT, Rourkela invites applications from Indian nationals belonging to SC, ST, OBC (below creamy layer) and PH categories and 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	MAXIMUM AGE	PAY SCALE
Assistant Professor	Ph. D degree with 1 <sup>st</sup> class (60%) or equivalent grade (6.5/10) at the B.Tech. / M.Sc. / M.A / MBA level in appropriate branch. (A through-out 1 <sup>st</sup> class career is highly desirable)	Nil	35	PB-3 AGP-6000
Associate Professor		At least 6 years of 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
Professor		At least 10 years of 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

Note –

1. All Qualification, Experience and preferred age limit will be considered as on **30/06/2010**.
2. 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.
3. Exceptionally talented candidates with M. Tech degree will be considered only for appointment as Asst. Professor on contract for three years or till award of Ph. D degree.
4. 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.

5. The contract position will be regularized w.e.f date of joining on acquiring Ph. D degree.
6. 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.
7. Pay and allowances will be as applicable to Central Government employees at Rourkela.
8. Reservation will be as per Government of India rules.

The following 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: M.A./M. Sc in Economics, 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, Engg., Electronics Engg., Electrical Engg. Mechanical Engg., Metallurgical Engg., Materials Engg.

#### **Academic reimbursements and incentives:**

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 lakh in 3 years under faculty development programme.
3. Reimbursement of telephone charges up to Rs.500/- per month.
4. Reimbursement of relocation charges from within India to the faculty members at the time of their joining.

#### **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

Department	Area of Specialization
<b>Biotechnology And Medical Engineering</b>	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. Biomedical 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.
<b>Business School</b>	Marketing Management/ Accounting & Finance / Business Economics.
<b>Ceramic Engineering</b>	Refractories, Structural Ceramics/ Nanomaterials/ Bio-ceramics/ Composites/ Glass & Glass Ceramics/ Thin Films and Coatings.
<b>Chemical Engineering</b>	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 .
<b>Chemistry</b>	Inorganic Chemistry / Environmental Chemistry
<b>Computer Science Engineering</b>	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.
<b>Civil Engineering</b>	Transportation/Structural/Environmental Engineering.
<b>Electrical Engineering</b>	Electrical Machines/Power System/ Power Electronics & Drives/ Control Systems/ High Voltage Engineering/ Instrumentation/ Signal Processing/ Communications Systems/ Microprocessors & Embedded Systems/ Electronic Circuits & Devices.
<b>Electronics &amp; Communication Engineering</b>	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.
<b>Mechanical Engineering</b>	Mechanisms/Machine Design/ Vibration/ Tribology/Mechatronics Production Engg./ Manufacturing Engg./ Robotics/ Flexible Manufacturing/ Industrial Engg./ Industrial Management/ Operation Research/ Thermal Engg./ Refrigeration and Cryogenic Engineering/ Heat Transfer/ Heat exchangers/ Fluid Mechanics/ CFD/Compression and Expansion machines/Quality Assurance/ Combustion/ Surface Engg./ Advance Materials/ Metal Forming/ Composite Sc. & Technology/ Soft Computing Application in Manufacturing.
<b>Metallurgy and Materials Engineering</b>	Process Metallurgy/Physical Metallurgy/Materials Engineering/ Polymer Engineering.
<b>Mining Engineering</b>	Computer Application in Mines/ Mining Machinery/ Rock Excavation Engineering/ Mine Ventilation.
<b>Mathematics</b>	Analysis/ Algebra/ Topology/ Probability and Statistics/ Advanced Computing/ Fluid Dynamics/ Operational Research.

<b>Physics</b>	Low Temperature Physics /Material Science/ Mathematical Physics/ Condensed Matter Physics(Theory)/ Atomic and Molecular Physics/ Statistical Physics.
<b>Humanities and Social Sciences</b>	Economics: Environmental Economics/ Development Economics. English : Any Specialization. Social Work/ Sociology/ Anthropology/ Psychology: Development studies/Gender studies/Tribal studies/Rehabilitation Studies.
<b>Life Sciences</b>	Any specialization.
<b>Industrial Design</b>	Engineering Design/ Industrial Design/Product Design/Ergonomic & Aesthetic Design/CAD-CAM / Mechatronics /Concept Design

### **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 than the minimum.
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. [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. Interested candidates may apply in prescribed application form, which may be downloaded from the web site <http://www.nitrkl.ac.in> For obtaining the application form by post, please send a self-addressed envelope (26 cm X 11 cm) to the Registrar, NIT, Rourkela-769008 writing "Request for application form for faculty appointment" on the envelope.
- II. Application forms complete in all respects along with Xerox copies of certificates (Attestation not required), list of publication, reprints/preprints of publication and a detailed research plan should reach the Office of the Registrar on or before **15<sup>th</sup> March, 2010** for consideration in the forthcoming round of selection process. Application received after this date may be considered in the forthcoming selection round or deferred to the next round depending on administrative convenience. Incomplete application forms will not be entertained.
- III. Candidates are required to send a self addressed stamped (Rs.5/-) envelope (9"X4" size) along with the application for sending acknowledgement.
- IV. 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**

Memo No.NITR/ES/RG/2010/M-1432

Dated.15.02.2010

**Copy to:**

- (1) All HODs/HOOs of Deptts./ Sections/ Centres with the request to give wide publicity.
- (2) Prof. B.D. Sahoo, CSE for necessary action to upload in NITR website.
- (3) Secretary to Director for kind information of Director
- (4) Notice Boards.

Sd/-  
**REGISTRAR**