



राष्ट्रीय प्रौद्योगिकी संस्थान, राउरकेला

NATIONAL INSTITUTE OF TECHNOLOGY, ROURKELA

Addendum to our Avt. No. - 01/2013 Dt. 14.03.2013 for for Special Recruitment Drive for Faculty Position under Reserved Category belonging to SC, ST & OBC (Backlog Vacancies)

Changes have been incorporated to our Advertisement No.01/2013 dated 14.03.2013 in following qualification, relevant experience and other essential requirements and desirable experience clause:

a) Asst. Professor (AGP-7000)

Relevant experience: None

Other essential requirement: **One paper accepted for publication in SCI journal.**

Desirable requirement: Two papers in SCI journal papers or one patent (May be based on PhD work)

b) Asst. Professor (AGP-8000)

Relevant experience: 3 years after Ph.D. or 6 years total (not counting Ph.D. enrolment period) after obtaining M. Tech. degree.

Other essential requirement:

- 2 papers in SCI journals outside Ph. D. work.
- One ongoing sponsored project for candidates from academia.
- Two experimental or computational projects added to teaching laboratories where appropriate.

Desirable requirement:

- One Ph. D. supervision ongoing;
- One Patent;
- Experience in industry or R & D lab. of repute;
- M. Tech., M. Sc. or B. Tech. project supervision on live industrial problems.

Last date for submitting online application: 15 May, 2013

It is not necessary to send printout of online application. Intimation regarding sending printout will be sent at appropriate time.



राष्ट्रीय प्रौद्योगिकी संस्थान, राउरकेरा
NATIONAL INSTITUTE OF TECHNOLOGY, ROURKELA

Advt. No. - 01/2013 Dt. 14.03.3013

**ADVERTISEMENT FOR SPECIAL RECRUITMENT DRIVE FOR FACULTY POSITION
UNDER RESERVED CATEGORY BELONGING TO SC, ST & OBC (BACKLOG
VACANCIES)**

NIT, Rourkela invites applications from Indian nationals under reserved categories (SC, ST and OBC) for faculty position from candidates possessing excellent academic background along with commitment to quality teaching and potential for carrying out relevant research at the level of Assistant Professor. The details provided here are as per 3tier rigid faculty structure.

POST/ DESIGNATIO, Pay Bad and Academic Grade Pay	QUALIFICATION	Relevant experience and other essential requirements (Expected to be amended upward with time, as NIT system achieves higher standards)	AGE LIMIT	Desirable requirements	NO. OF POSTS (Provisional)
Assistant Professor (On contract) Grade Pay – Rs.6000 PB3+ 2 increments	M Tech degree with 1st class (60%) or equivalent grade (6.5/10) at both B.Tech and M.Tech in appropriate branch. (Humanities/ Science/ Management candidates expecting to submit PhD thesis within 1 year are encouraged to apply. If selected they will be permitted to join on contract after submission of thesis and will be regularized at AGP 7000 after award of degree)	NIL	30yrs	Advanced state of PhD work in a reputed institute	SC - 4 ST - 7 OBC - 22

Assistant Professor Grade Pay – Rs.7000; PB3	Ph.D degree with 1st class (60%) or equivalent grade (6.5/10) at both B.Tech/ M.Sc./ M.A/ MBA and M. Tech level in appropriate branches	Experience - NIL *	35yrs	Two SCI journal papers or one patent (May be based on PhD work)	
Assistant Professor Grade Pay – Rs.8000; PB3	Ph.D degree with 1st class (60%) or equivalent grade (6.5/10) at both B.Tech/ M.Sc./ M.A/ MBA and M. Tech level in appropriate branches.	Experience – 3Yrs after PhD OR 6Yrs (Not counting PhD enrolment period) after completing M Tech **	NA	***	

❖ **Number of are provisional. There is five years relaxation in age limit for SC & ST and three years for OBC candidates as per Govt. of India rules.**

Details w.r.t. relevant experience and desirable experience:

- * - One paper accepted for publication in an SCI journal.
- ** - Two Papers published in SCI journals outside PhD work. One on-going sponsored project for candidates from academia. Two experimental or computational projects added to teaching laboratories where appropriate.
- *** - One PhD thesis supervision on going, One patent, experience in industry or R&D laboratory of repute, MTech, MSc OR BTech project supervision on live industrial problem.

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 Institute Campus. HRA may be paid in lieu of residential accommodation.

Appropriate Branch: The following points provide some exceptions or clarifications to “appropriate Branch”

1. Computer science & Engineering: B. Tech in Computer Science followed by M.Tech/PhD or B.Tech in Electronics/Electrical Engineering followed by M.Tech/Ph.D. in Computer Science.

Candidates with other backgrounds and PhD in Computer science may be considered on the basis of the subjects studied, Ph. D. topic and post PhD experience.

2. Electronics & Communication Engineering: Candidates having B.Tech.in Electrical Engineering will be eligible depending on the curriculum covered and their specialisation at M.Tech.and/ or PhD.
3. Humanities & Social Sciences: Post Graduate degree in Economics/ English/ Sociology/ Linguistics/ Sanskrit/ Odia/ Hindi or B.Tech degree in any branch followed by PhD.
4. Biotechnology: PhD in Biotechnology or in a related branch of engineering with B.Tech. in any branch of engineering. Candidates with M.Sc. degree in Biotechnology followed by M.Tech. and PhD in Biotechnology will be considered on the basis of subjects studied at M.Tech. and PhD research topics and post PhD experience.
5. Medical Engineering: PhD 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 PhD and post PhD work in the area of Medical Engineering.

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

Department	Areas of Specialisation
Biotechnology and Medical Engineering	Stem cell Engg, Tissue Engg, Environmental Engg, Plant Biotechnology Engg, Bioprocess control, Biochemical Engg, Computational Bioengineering, Biotechnology, Bioprocess design, Fermentation Technology, Industrial Biotechnology, System Bioengineering, Biomedical Instrumentation, Biomedical image process, Biomedical signal processing , Biotransport Phenomenom, Biomechanics
Business School	Marketing, Human Resource, Information System, Production, Quantitative technique, Entrepreneurship, IT
Ceramic Engineering	Structural Ceramics, Nano-ceramics, Bio-ceramics, Glass, Refractories, Whitewares
Chemical Engineering	Transfer operations, Particle Technology, Multiphase flow, Separation Technology, Renewable Energy, Biochemical Process Engg, Process Dynamics & Control, Computer Aided Process & equipment Design, Simulation and Modelling, Computation Fluid Dynamics, Environmental Egieering
Chemistry	Inorganic Chemistry, Organic Chemistry, Physical Chemistry
Computer Science Engineering	Networking, Data Communication, Security , Image processing, signal processing, Computer vision , Architecture, Distributed system, VLSI Microprocessor, Real Time System , Software Engineering
Civil Engineering	Environment Engg, Water Resources Engg, Transportation Engg, Geotechnical Engg, Structural Engg, Remote sensing ad GIS
Electrical Engineering	Power system , Power Electronics , Electronics and Communication , Control System
Electronics & Communication Engineering	VLSI Design (all specializations), Embedded Systems, Wireless Communication, RF & Microwave Engg., Optical Communication, Instrumentation (all specializations), Signal Processing (Signal, image, video), Computer Vision, Machine Intelligence.
Mathematics	Analysis, Algeria, Topology, Algebraic Topology , Statistics Optimisation, Number theory, Applied Mathematics
Mechanical Engineering	Thermal Engg, Cryogenic Engg, Machine Design and Analysis, Production Engineering
Metallurgy and	Physical Metallurgy, Mechanical Materials, Process Metallurgy,

Materials Engineering	Computational Metallurgy, Composites Materials, Thin Film & Surface Coating
Mining Engineering	Mining Engg, Underground coal, Metal Mining, Geo-mechanics, Rock mechanics, Ground control and strata control Engg., Numerical Modeling, Mine subsidence, Rock Excavation Engg.
Physics	Condensed Mater Physics, Low Temperature Physics, Functional Materials, Atomic and molecular physics, Optics and Laser physics, Astrophysics and astronomy
Humanities and Social Sciences	Economics, Sociology, English, Linguistics, Sanskrit, Odia ad Hindi literature
Life Sciences	Biochemistry, Molecular Biology, Microbiology, Genetics, Cell Biology, Zoology, Botany, Immunology, Human Physiology, Bioinformatics, Biophysics, Biophysical Chemistry
Industrial Design	Mechanical Design, Engineering Design, Industrial Design, Product Design, Ergonomic & Aesthetic Design, CAD-CAM, Robotics & Mechronics, Concept Design, Computer Graphics

General information:

1. Minimum requirement of experience may be relaxed for otherwise outstanding candidates.
2. Mere fulfilment 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 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. Candidates with studentship or work experience in reputed universities, institutions or industry or with greater relevance to the academic programmes of the department will be given preference.
5. Experienced and/or meritorious candidates may be granted higher 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. **This advertisement is solely for persons belonging to SC, ST & OBC categories.**
9. (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.
10. 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 NIT Rourkela, to be decided by the Director.
11. Candidate without Ph.D. degree will be required to enrol in the Institute's Ph.D. programme while taking a reduced teaching load.
12. Candidates who are unable to attend the interview for being abroad or for any other reason can be permitted to attend the interview though video conferencing on case to case basis.
13. Students pursuing Ph.D. need to enclose a reference letter from thesis supervisor indicating status of his/her project.
14. Any other details may be submitted in a separate sheets in the application.

15. 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.
16. Incomplete applications or applications received after due date are liable to be rejected. Institute will not be responsible for delay/ missing in transit.
17. Canvassing in any form will lead to rejection of application form.
18. No interim queries will be entertained.

Notes

1. Short listing criteria may be higher or narrower than those advertised.
2. Pay and allowances will be as applicable to Central Government employees at Rourkela.
3. 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.
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.

Application Procedure

1. Application should be filled in online through the link under the heading “Jobs and Tender” → “Faculty Position” at institute website. *Click on special recruitment drive for reserved category.*
2. Please mention **Post Applied** and **Department** on the left-top corner of the envelope containing the application, while submitting the printout after online application is complete.
3. Application forms complete in all respects along with photocopies of caste certificate, M Tech certificate (Attestation not required), reprints/ preprints of two best publications should be sent to “**The Dean (FW), National Institute of Technology, Rourkela – 769 008, Odisha, INDIA**” on being asked for after completion of scrutiny.
4. Application received after the last date may be considered in the forthcoming selection round or deferred to the next round depending on administrative convenience.
5. Persons employed in Government and Semi-Government organizations must apply through proper channel. For this the application should be completed online first and the printout of the application generated online should be submitted through employer.
6. The online application can be filled in multiple sessions.
7. Candidates are encouraged to check the website from time to time for latest information and application status.
8. **Important Dates:**
 - Opening date for filing online application through website: **20 March, 2013**
 - Last date for submitting online application : **20 April, 2013**
 - Last date for receipt of signed printout of online application along with enclosures: **30 April, 2013**

For any query you may contact:

Prof. S.K.Patra,

Dean (Faculty Welfare)

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