राष्ट्रीय प्रौद्योगिकी संस्थान, राउरकेला
NATIONAL INSTITUTE OF TECHNOLOGY, ROURKELA

RECRUITMENT OF FACULTY

Advertisement No.: NITR/ES/04/2017

National Institute of Technology, Rourkela, an Institute of National Importance under Ministry of Human Resource Development, Government of India invites applications from Indian nationals possessing excellent academic background along with commitment to quality teaching and research for faculty positions as per following table in most branches/specializations/academic groups of Engineering, Architecture, Science, Humanities and Management as given in **Annexure – I**:

Sl. No.	Name of the Post	Pay Scale	Vacancy	Age Limit
1	Assistant Professor (on Contract)	PB–3 (₹15,600 – ₹39,100) AGP: ₹6,000	UR-55 SC-40 ST-26 OBC-82 [Total – 203 inclusive of PWD-15]	30
2	Assistant Professor (on Contract)	PB–3 (₹15,600 – ₹39,100) AGP: ₹7,000		35
3	Assistant Professor	PB–3 (₹15,600 – ₹39,100), AGP: ₹8,000 Minimum Pay in Pay-band ₹30,000		40
4	Associate Professor	PB–4 (₹37,400 – ₹67,000), AGP: ₹9,500 Minimum Pay in Pay-band ₹42,800		45
5	Professor	PB–4 (₹37,400 – ₹67,000), AGP: ₹10,500 Minimum Pay in Pay-band ₹48,000		50

Educational Qualification & Experience

Detailed Educational Qualifications, Experience and other criteria for selection shall be as per the Modified Recruitment Rule (MRR) for faculty in NITs approved in the Minutes of the meeting of the Council of NITSER on 26th May, 2017, issued by MHRD, GOI vide No. 33-9/2011-TS.III, dated 29/05/2017 available on our website at https://nitrkl.ac.in/websiteNew/docs/Career/MRR.pdf.

Eligibility

a) **Engineering Departments:** First Class B.Tech./BE with Ph.D. in relevant branch/discipline.
b) **Industrial Design:** First Class B.Tech./B. Des. with Ph.D. in relevant branch/discipline.
c) **Architecture:** First Class B.Arch and M.Arch. and/or Ph.D.
d) **Science / Humanities and Social Sciences Departments:** First Class Masters' Degree with Ph.D. in relevant discipline.
e) **School of Management:** First Class MBA/PGDBM with Ph.D. in management.

Academic Compensations and Incentives

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

a) Full funding for attending national/international conference either for presenting a paper or chairing session as per Institute guidelines membership of professional societies and purchase of books under Professional Development Allowance (PDA), limited to ₹3.00 lakh in 3 years for all taken together (policy may change from time to time as per GOI guidelines).

b) Reimbursement of telephone charges up to ₹500.00 per month.

c) Reimbursement of **relocation charges** from within India to join the institute as per GOI guidelines.

d) Attractive medical facility including referral to outside specialized and reputed hospitals.

e) **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.

General Information

1. **All Qualifications, Experiences and Age Limit will be considered as on or before 11/09/2017 (Closing date of online application form).**

2. Reservation for SC/ST/OBC/PWD/Ex-Serviceman is as per GOI Rules.

3. Age relaxation for SC/ST/OBC/PWD/Ex-Serviceman/NIT Rourkela employees is applicable as per Institute/GOI Rules.

4. All degrees mentioned in the application should be awarded by an Institute/ University recognised by the Government.

5. No person, (i) who had entered into or contracted a marriage with a person having a spouse living; or (ii) who is having a spouse alive, has entered into or contracted a marriage with any person, shall be eligible for appointment to the said post;

6. As an Institute of National Importance, NITR strives to have a workforce which reflects an all-India character and hence candidates from all over the country are encouraged to apply.

7. NITR strives to have a workforce which also reflects gender balance and hence women candidates are especially encouraged to apply.

8. In order to attract bright candidates and enhance competition, the Institute reserves the right to publicize the vacancies with selected institutes, organizations and individuals through letters, emails, telephone calls and other media in addition to the basic mode of advertising on the Institute website and/or newspapers.

9. **Persons employed in Government / Semi Government Organizations or Autonomous Bodies should submit their application through proper channel (Reference: point (d) of "How to apply").**

10. Fresh appointments beyond the age of 60 years is discouraged except in the case of faculty with exceptionally brilliant research (particularly industrial research involving a strong record of patents) career and with ongoing or approved externally funded research projects.

11. There shall be no distinction between external and internal candidates with regard to the requirements of qualification and experience except that there shall be no specialization constraint on existing faculty applying for a higher post. Applications received on or before the published closing date will only be considered for scrutiny and selection.

12. Candidates who have been considered at least twice on earlier occasions but not selected will not ordinarily be short-listed. An exception can be made only on the basis of special achievement(s) made after the last selection round.

13. **Applications received against advertisement Nos. NITR/ES/01/2015 and NITR/ES/01/2016 will not be considered for this recruitment advertisement (NITR/ES/04/2017). Hence candidates who had applied against advertisement Nos. NITR/ES/01/2015 and NITR/ES/01/2016 need to apply once again with revised credentials (if so desire) against this advertisement.**

14. 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.

15. Depending on perceived availability of qualified candidates, different departments may set different short listing criteria. The same department may also set different short-listing criteria for different specializations.

16. Candidates possessing qualifying degrees in allied branches (other than the one being mentioned in **Annexure-I** of the advertisement) with superior academic record, appropriate course background and relevant research experience may be considered on merit.

17. The Institute reserves the right to call all the eligible candidates or short listed candidates for interview after screening by the Institute. The Institute also reserves the right to defer or cancel the selection process without assigning any reason thereof. 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.

18. Candidates who are unable to attend the interview for being abroad can be permitted to attend the interview on their request through video conferencing on case to case basis. It is mandatory to have personal presence in the interview for the applicants who are residing in India.

19. Candidates who will get selected for interview will have to produce original documents in support of all the particulars mentioned in their application form regarding their reservation category, educational qualification, experience, and other claims.

20. 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 will be 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. The Institute's decision on reputation of other Universities/Institute will be binding.

21. For the same achievement in terms of research record, younger candidates will be given preference.

22. The Institute reserves the right to offer a lower post and/or AGP than that applied for by any candidate based on recommendation of the selection committee.

23. Experienced and/or meritorious candidates may be granted higher starting pay on recommendation of the selection committee.

24. Selected candidates on regular positions will be under probation and will be confirmed subject to satisfactory completion of the probation and other requirements as per Institute Rules.

25. Candidates may be posted and/or transferred to any appropriate department "deems fit" at any time during service career at the discretion of the management.

26. Canvassing in any manner would entail disqualification of the candidature.

27. **Name of the shortlisted candidates will be displayed in the Institute website.** Beside, all information regarding selection test, Interview schedule etc. will also be provided through the Institute website only. The Institute will not be responsible in any manner if a candidate fails to visit / access the website in time. Candidates are requested to regularly visit the Institute website i.e., **www.nitrkl.ac.in** for updated information.

28. The decision of the Institute in all matters will be final. No correspondence /interim inquiries will be entertained from the candidates in connection with the process of selection/ interview including reasons for not being called for interview. Any dispute with regard to the selection / recruitment process will be subject to Courts / Tribunals having jurisdiction over Rourkela.

How to Apply

a) Candidates willing to apply for one or more posts are requested to apply online at **http://nitrkl.ac.in (go to Career@NITR section)**.

b) The online application can be filled in multiple sessions.

c) Applications shall be received online only. No application or CV should be sent against this advertisement by email or letter mail.

d) No application fee is applicable.

e) Persons employed in Government / Semi Government Organizations or Autonomous Bodies may apply directly against the advertisement. For this the application should be completed online. The print-out of the application generated online should be submitted through employer if shortlisted for interview.

f) Candidates are required to check the Institute website from time to time for latest information, application status, call for interview, change of dates and final results.

Important Dates

Opening of online application portal   -   10th August, 2017

Closing of online application portal   -   11th September, 2017

For further queries (if any) please contact:

Dean (Faculty Welfare): e-mail: dean-fw[at]nitrkl.ac.in
                        Tel: 0661-2462012
Deputy Registrar (Establishment): email: establishment[at]nitrkl.ac.in
                        Tel: 0661-2462061

The preferred mode of communication is e-mail.

Sd/-
Registrar

Branches/Specializations/Academic Groups:

Following is the list of branches/specializations/academic groups in each department. Vacancy exists in almost all fields.

a) **Biotechnology & Medical Engineering:**
- Medical Electronics and Instrumentation
- Biomechanics & Biotransport
- Cell and Molecular Engineering
- Bioprocess Engineering

b) **Civil Engineering:**
- Structural Engineering
- Transportation Engineering
- Environmental Engineering
- Water Resource Engineering
- Geotechnical Engineering

c) **Chemical Engineering:**
- Process Modelling, Simulation & Control
- Transport Processes
- Separation & Purification
- Energy and Environmental Engineering
- Material Research
- Bio-Chemical Engineering

d) **Ceramic Engineering:**
- Structural Ceramics
- Nano Bio-ceramics
- Electro Ceramics
- Industrial Ceramics

e) **Computer Science & Engineering:**
- Information Security
- Computer Networks
- Artificial Intelligence and Robotics
- Architecture and VLSI Design
- Data Analytics
- Software Engineering
- Cloud Computing and IoT

f) **Chemistry:**
- Organometallic Chemistry
- Computational Chemistry

g) **Earth & Atmospheric Science:**
- Paleontology
- Sedimentology and Stratigraphy
- Structural Geology
- Climatology
- Air Pollution
- Solar Radiation

h) **Electronics & Communication Engineering:**
- Communication Engineering
- Microwave and High Frequency Engineering
- Digital VLSI Design
- Embedded Systems
- Hardware Security
- Signal Processing
- Image Processing and Computer Vision
- Instrumentation
- Control Engineering
- Process Control

i) **Electrical Engineering:**
- All Specializations in Electrical Engineering

j) **Food Process Engineering:**
- Post-Harvest Operations
- Food Quality Control and Safety
- Food Process, Modelling and Simulation
- Food Product Development and Ingredients Innovation

k) **Humanities & Social Sciences:**
- English: Any Areas
- Psychology: Educational Psychology
- Political Science: Specialization in Public Administration / Public Policy
- Economics: Agricultural Economics / Development Economics
- Sociology / Anthropology: Any Areas

l) **Industrial Design:**
- Industrial Design
- Ergonomics
- Product Design
- Visual Design
- Photo Communication
- Animation
- Interaction Design
- Geometric Modeling/CAD

m) **Life Science:**
- Biochemistry and Molecular Biology
- Cell and Developmental Biology
- Immunology and Molecular Medicine
- Microbiology and Ecology
- Bioinformatics
- Biophysical Sciences

n) **Mathematics:**
- Real Analysis
- Complex Analysis
- Functional Analysis
- Topology
- Line Algebras

- Line Groups
- Linear Algebra
- Abstract Algebra
- Group Theory
- Differential Equations
- Operation Research
- Optimization
- Statistics
- Number Theory
- Algebraic Topology
- Fuzzy Set Theory
- Operator Theory
- Graph Theory
- Numerical Analysis

o) **Mechanical Engineering:**
- Machine Design and Analysis
- Machine Dynamics and Vibration
- Robotics
- Mechatronics
- CAD/CAM
- Tribology
- Thermal Engineering
- Refrigeration and Air-conditioning
- Cryogenics
- Fluid Flow and Heat Transfer
- Production Engineering
- Manufacturing Science
- Industrial Engineering
- Composite Materials and Surface Engineering

p) **Metallurgical & Materials Engineering:**
- Process Metallurgy (Metallurgical Thermodynamics and Kinetics, Iron Making, Steel Making, Non-ferrous Extraction)
- Steel Metallurgy
- Electro Metallurgy and Corrosion
- Computational Materials Engineering
- Mechanical Characterization
- Theoretical and Experimental Studies of Phase Transformation
- Advanced Structural Materials

q) **Mining Engineering:**
- Mine Environment
- Underground Mine Technology
- Computer Applications in Mining
- Geo-Mechanics

r) **Planning & Architecture:**
- Urban Design
- Landscape Architecture
- Architectural Conservation
- Planning

s) **Physics & Astronomy:**
- Theoretical and Experimental Condensed Matter Physics
- High Energy Physics / Nuclear Physics
- Non-linear Dynamics and Statistical Physics
- Astrophysics and Cosmology
- Non-linear and Quantum Optics

t) **School of Management:**
- Marketing
- Human Resource Management
- Finance
- Operations Management
- Systems Management
- General Management

0*0