



# National Institute of Technology Rourkela

Rourkela – 769008, Odisha

## Recruitment for Faculty Positions

Advertisement Number: NITR/ES/07/2022, Dated: 22<sup>nd</sup> November 2022

National Institute of Technology Rourkela, an Institute of National Importance under the Ministry of Education, Government of India invites applications for faculty positions at the level of Assistant Professor, Associate Professor, and Professor from Indian nationals fulfilling eligibility criteria and possessing excellent academic background, commitment to quality teaching and research, and propensity for institutional development in various specializations of *Engineering, Architecture, Science, Humanities, and Management* as given in Annexure-I.

Sl. No.	Post	Level	Category						Total
			SC	ST	OBC	EWS	UR	PWD	
1	Assistant Professor Grade II	10	8	3 (2+1*)	10	5	27	SC-1 ST-1 OBC-1 EWS-1 UR-2	53
2	Assistant Professor Grade II	11	4	8 (3+5*)	21 (17+4*)	5	21		59
3	Assistant Professor Grade I	12	1	2*	5 (2+3*)	-	3		11
4	Associate Professor	13A2	2	1	5	1	8		17
5	Professor	14A	-	1	-	-	2		3
Total			15	15	41	11	61	143	

\* Backlog Vacancy

- Notes:
- Reservations are applicable as per Government of India guidelines.
  - The number of vacancies shown above are tentative and may vary.
  - In case, the vacancies reserved for EWS are not filled due to non-availability of suitable/ eligible candidate(s) belonging to EWS category, such vacancies shall be filled by UR candidates.
  - As per Note 1: (5) of Schedule E attached to Statute 23(5)(a) of NIT Amendment Statutes 2017, the departments which are not having any vacancy, movement in higher Academic Grade Pay or cadre shall be carried out as per specified selection process but it will be restricted to only serving faculty members of the respective departments.
  - As there is no vacancy in the Department of Chemistry and Planning & Architecture, **fresh applicants can not apply. Only the serving faculty members of NIT Rourkela can apply.**

### Educational Qualification and Experience

Educational qualifications, experience, and other criteria shall be as per Schedule 'E' of NIT Statute, published in the Gazette of India on 24<sup>th</sup> July, 2017, and subsequent clarifications received from Ministry of Education erstwhile Ministry of HRD, Government of India. A copy of the Gazette notification is available at <https://nitrkl.ac.in/docs/Career/MRR.pdf>

### Eligibility

The minimum eligibility for various Department/School is prescribed in the following table

Department/School	Minimum Educational Eligibility
Engineering Departments	First Class in B.Tech./B.E. with Ph.D. in relevant branch/discipline
Industrial Design	First Class in B.Tech./B.E./B.Des. with Ph.D. in relevant branch/discipline

Planning and Architecture	(i) First Class in M.Arch./ M.Plan. for Assistant Professor Grade II (ii) First Class in M.Arch./ M.Plan. with Ph.D. in relevant branch/ discipline for Assistant Professor Grade I and higher position
Science Departments	First Class in Masters' Degree with Ph.D. in relevant branch/discipline
Humanities and Social Sciences	First Class in Masters' Degree with Ph.D. in relevant branch/discipline
School of Management	First Class in MBA/PGDBM with Ph.D. in Management

### **General Information**

- 1) All qualifications, experiences, and age limit will be considered as on the closing date of application.
- 2) Applications received on or before the closing date only will be considered for scrutiny and selection.
- 3) NIT Rourkela has adopted four-tier flexible faculty structure for NITs. Any new guidelines and clarifications issued by MOE, till final selection, shall be applicable. The faculty recruitment will be carried out as per the guidelines of the CEI (Reservation in Teachers' Cadre) Act, 2019 and clarifications received from Ministry of Education vide F.No.20-2/2022-TS.III, dated 27/04/2022.
- 4) All degrees acquired by the applicant should be from an Institute/University recognized by the UGC/AICTE/AIU.
- 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, NIT Rourkela strives to have faculty members, which reflects an all-India character and hence candidates from all over the country and abroad are encouraged to apply.
- 7) NIT Rourkela strives to have faculty members, which also reflects gender balance and hence women candidates are especially encouraged to apply.
- 8) Fresh appointment beyond the age of 60 years is discouraged except in the case of faculty with exceptional research, industrial, and/or academic career.
- 9) Serving regular faculty members of the institute shall be eligible to apply for higher positions in their own departments irrespective of their specialization, if they satisfy other advertised criteria.
- 10) In order to limit the number of candidates to be called for interview, the scrutiny committee constituted for the purpose may prepare a list of candidates to be called for interview by following a higher standard for shortlisting.
- 11) Mere fulfilment of minimum qualification and experience does not entitle a candidate for a call to attend interview. Short listing criteria may be set higher than the minimum advertised.
- 12) Since Departments/Subjects/Specializations are many and not comparable with each other, following an uniform standard/norm for shortlisting of a candidate by a department is not feasible. Hence, Departments may fix different short-listing criteria for a post/specialization.
- 13) The Institute reserves the right to call finally short-listed candidates for interview after screening by the committee. The Institute also reserves the right to modify/defer or cancel full/part of the advertisement/recruitment process at any stage without assigning any reason thereof. The decision of the Institute in this regard will be final and binding on all the applicants who responded to this advertisement. No interim correspondence or unsolicited query will be entertained.

- 14) Number and nature of posts shown above may change and vary at the time of selection/recruitment. Further, the Institute reserves the right not to fill any post(s) or increase the vacancy.
- 15) Candidates applying from abroad can be permitted to attend the interview on their request through video conferencing depending on merit. It is mandatory to have personal presence in the interview for the applicants who are residing in India.
- 16) Candidates shortlisted for interview will have to produce original documents for verification in support of their application regarding reservation category, educational qualification, experience, and other claims.
- 17) Apart from the merit, the specialization of a candidate within a department will play a vital role in selection. Candidates with specialization in greater need by the department will be given preference. Candidates with work experience in reputed Universities, Institutions or Industry or with greater relevance to the academic programmes of a department will be given preference. The Institute's decision on reputation of other Universities/Institutes will be binding.
- 18) If a candidate is found suitable to a lower post (or Pay Level) than that applied for based on the recommendation of the short listing and selection committee, offer may be given for the lower post.
- 19) Experienced and/or meritorious candidates may be given higher starting pay on recommendation of the selection committee against the applied post.
- 20) Candidates may be posted and/or transferred to another Post/Department at any time during service career, in the interest of the Institute.
- 21) Canvassing in any manner or unsolicited query made would entail disqualification of a candidate.
- 22) Application Ids of the shortlisted candidates will be displayed in the Institute website. Information regarding application status, interview schedule, etc. will be made available in the recruitment portal only. The Institute will not be responsible in any manner if a candidate fails to visit / access the portal in time. Candidates are advised to regularly visit and login to the Institute's recruitment portal <https://nitrkl.ac.in/recruitment> for update status/information.
- 23) Any dispute with regard to the selection / recruitment process will be subject to Courts / Tribunals having jurisdiction over Rourkela.
- 24) 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.

### **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:

- 1) 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 Lakh in 3 years for all taken together (policy may change from time to time as per GOI guidelines) is admissible.
- 2) Reimbursement of telephone charges (as per Institute rule).
- 3) TA/DA as per NIT, Rourkela Rule to join the Institute as per GOI guidelines.
- 4) Attractive medical facility including referral to outside specialized and reputed hospitals.
- 5) Suitable residential accommodation as per rules subject to availability will be provided in the Institute Campus. HRA may be paid if the Institute can not provide accommodation.

## **How to Apply**

- 1) Candidates willing to apply for one or more posts are requested to apply online at <https://nitrkl.ac.in/recruitment>
- 2) The online application can be filled in multiple sessions.
- 3) Applications shall be received online only. No application or CV should be sent against this advertisement by email or letter mail. Application fee is not required.
- 4) Persons employed in Government / Public Sector Enterprise / Autonomous Bodies should forward a copy of their application through proper channel or should furnish a no objection certificate (NOC) from the competent authority or employer at the time of interview.

## **Important Dates**

- Opening of online application portal: **17:00 h IST, 22<sup>nd</sup> November, 2022**
- Closing of online application portal: **17:00 h IST, 30<sup>th</sup> December, 2022**

**For further queries (if any) please write to: [career@nitrkl.ac.in](mailto:career@nitrkl.ac.in)**

**Sd/-  
Registrar**

**Annexure -I**  
**SPECIALIZATIONS FOR FACULTY RECRUITMENT 2022**

Sl. No.	Department	Specialization
1	Biotechnology & Medical Engineering (BM)	<ul style="list-style-type: none"> <li>• Agricultural Biotechnology</li> <li>• Environmental Biotechnology</li> <li>• Bioprocess Engineering</li> <li>• Cell Engineering</li> <li>• Molecular Engineering</li> </ul>
2	Civil Engineering (CE)	<ul style="list-style-type: none"> <li>• Geotechnical Engineering</li> <li>• Transportation Engineering</li> <li>• Water Resources Engineering</li> </ul>
3	Ceramic Engineering (CR)	<ul style="list-style-type: none"> <li>• Electroceramics</li> <li>• Industrial Ceramics</li> <li>• Nano and Bio Ceramics</li> <li>• Structural and Advanced Ceramics</li> <li>• Computational Material Science</li> </ul>
4	Chemical Engineering (CH)	<ul style="list-style-type: none"> <li>• Clean energy</li> <li>• Energy planning and system modeling</li> <li>• Energy conversion systems for coal, oil, gas, solar, biomass, nuclear</li> <li>• Battery and super capacitor</li> <li>• Energy storage and transportation</li> <li>• Energy economics &amp; Energy security</li> <li>• Electrochemical Engineering</li> <li>• Process Systems Engineering &amp; Control</li> <li>• Thermodynamics and Energy Analysis</li> <li>• Membrane Science &amp; Technology</li> <li>• Environmental Engineering</li> <li>• Bio-informatics/chemo-informatics</li> <li>• Biochemical Engineering and bioprocess engineering</li> <li>• Petroleum refining Engineering and petrochemicals</li> <li>• Particulate technology/mineral processing</li> <li>• Polymer and Soft Materials/ Polymer science and engineering</li> </ul>
5	Computer Science & Engineering (CS)	<ul style="list-style-type: none"> <li>• Information Security</li> <li>• Network Security</li> <li>• Cyber Security</li> <li>• Software Engineering</li> <li>• Software Testing</li> <li>• Software Architecture</li> <li>• Service-Oriented Architecture</li> <li>• Cloud Computing</li> <li>• Block Chain</li> <li>• Data Science</li> <li>• Natural Language Processing</li> <li>• Social Network Analysis Theoretical Computer Science</li> <li>• Machine Learning</li> <li>• Artificial Intelligence</li> <li>• Internet of Things</li> <li>• Information Retrieval</li> <li>• Augmented Reality</li> <li>• Computer Vision</li> <li>• Algorithms</li> <li>• Computer Networks</li> <li>• Database</li> </ul>

6	Electronics & Communication Engineering (EC)	<ul style="list-style-type: none"> <li>• Electronics &amp; Instrumentation Engineering</li> <li>• Signal &amp; Image Processing</li> <li>• Artificial Intelligence &amp; Machine Learning</li> <li>• Communication &amp; Networks</li> <li>• VLSI &amp; Embedded Systems</li> <li>• Microwave &amp; Radar Engineering</li> </ul>
7	Electrical Engineering (EE)	<ul style="list-style-type: none"> <li>• Control Systems</li> <li>• Embedded Systems</li> <li>• Power Electronics and Drives</li> <li>• Power Systems</li> <li>• Energy Systems</li> <li>• Signal/Image Processing &amp; Computer Vision</li> <li>• Communication Engineering</li> <li>• Artificial Intelligence/Machine Learning</li> </ul>
8	Earth & Atmospheric Sciences (ER)	<ul style="list-style-type: none"> <li>• Paleontology</li> <li>• Sedimentology</li> <li>• Ore Geology</li> <li>• Physical Oceanography</li> <li>• Agrometeorology</li> <li>• Climate change</li> </ul>
9	Food Process Engineering (FP)	<ul style="list-style-type: none"> <li>• Computer Aided Food Engineering</li> <li>• Transport Process and Kinetics</li> <li>• Food Packaging and Storage Engineering</li> </ul>
10	Humanities & Social Sciences (HS)	<ul style="list-style-type: none"> <li>• English</li> <li>• Economics</li> <li>• Sociology</li> <li>• Psychology</li> <li>• Sanskrit</li> </ul>
11	Industrial Design (ID)	<ul style="list-style-type: none"> <li>• Animation / New Media Design / Digital Media &amp; Design</li> <li>• Applied Ergonomics / Human Factors in Design / Universal and Inclusive Design / Rehabilitation and Assistive Technology</li> <li>• Art &amp; Design / Aesthetics in Design</li> <li>• Communication Design / Visual Design / Graphic Design</li> <li>• Design Policy / Design Strategy / Design Management</li> <li>• Industrial Design / Conceptual Design</li> <li>• Interaction Design / Design for UX/UI / Human-Computer Interaction (HCI) / Design Psychology</li> <li>• Product Design / Design Methodology / Applied Design</li> <li>• Sustainable Design / Social and Cultural Applications of Design</li> </ul>
12	Life Science (LS)	<ul style="list-style-type: none"> <li>• Embryology</li> <li>• Neurobiology</li> <li>• Molecular Genetics</li> <li>• Bioinformatics</li> </ul>
13	Mathematics (MA)	<ul style="list-style-type: none"> <li>• Complex Analysis</li> <li>• Abstract Algebra</li> <li>• Topology</li> <li>• Algebraic topology</li> <li>• Differential Geometry</li> <li>• Nonlinear dynamics</li> <li>• Number Theory</li> </ul>
14	Mechanical Engineering (ME)	<ul style="list-style-type: none"> <li>• Design</li> <li>• Production Engineering</li> <li>• Thermal Engineering</li> </ul>

15	Metallurgical & Materials Engineering (MM)	<ul style="list-style-type: none"> <li>• Extractive metallurgy: Thermodynamics and kinetics, ferrous and non-ferrous metal extraction, mineral dressing</li> <li>• Physical metallurgy: Solidification, solid-state transformations, metal joining, steel metallurgy</li> <li>• Advanced materials: Processing and characterization</li> </ul>
16	Mining Engineering (MN)	<ul style="list-style-type: none"> <li>• Drilling and blasting</li> <li>• Computer Applications and IoT in Mining</li> <li>• Geomatics</li> <li>• Mine Planning and Geostatistics</li> <li>• Mineral Processing Technology</li> <li>• Geomechanics</li> <li>• Mine Environment</li> </ul>
17	Physics & Astronomy (PH)	<ul style="list-style-type: none"> <li>• Theoretical Physics (preferably Quantum Computation &amp; Information)</li> <li>• Experimental Physics (preferably Low Temperature Physics and Soft Matter Physics)</li> </ul>
18	School of Management (SM)	<ul style="list-style-type: none"> <li>• Business Analytics</li> <li>• Decision Sciences</li> <li>• Operations Management</li> <li>• Human Resource Management</li> <li>• Information Systems</li> </ul>