



NATIONAL INSTITUTE OF TECHNOLOGY ROURKELA

[An Institute of National Importance under Ministry of Education, Govt. of India]

Sector 1, Rourkela, Sundergarh Dist., Odisha 769 008

SPONSORED RESEARCH INDUSTRIAL CONSULTANCY CONTINUING EDUCATION

NITR / SR / 2026 / Advt.- 26EC023 / L / 028

dt. 22-May-2026 Ref: FTS 260520-6939

SR-R03

Advertisement for Recruitment of Project Position

Candidates who fulfill the below mentioned criteria may submit the application form before the last date. Engagement will be purely on temporary / contractual basis and co-terminus with the completion of the project. Candidates are advised to go through the advertisement details carefully before applying.

1.	Title of the Project:	Quantum Semantic Task-Oriented Communication Framework (Quantum Semantic-Task)		
2.	Project Code, Dept. with Closing Date:	SR/26/EC/023	10-Apr-2029	Electronics and Communication Engg.
3.	Funding Agency Details:	Others		ANRF
4.	PI details:	Prof. Anirban Bhowal		bhowala@nitrkl.ac.in, 0661-246 2485
		7002668986	-	@ gmail.com

5. Details of the Post(s):		6. Educational Qualification & Working Knowledge		
Junior Research Fellow (JRF) <i>[Name of the Post(s)]</i>		Essential Qualification (s):		
01 (One) <i>[No. of Post(s)]</i>	03 Year(s), 00 Month(s) <i>(Tenure of Post)</i>	M.Tech/M.E./M.S. (with GATE/NET qualification) in Electronics and Communication, Electrical and Electronics, Electrical, Electronics, Instrumentation, Computer Science and Engineering, or similar, with specialization in Electronics, Communication, Signal Processing, AI/Machine Learning, Data Science, or related fields. Minimum 60% marks or 6.0/10 CGPA in both B.E./B.Tech. and M.E./M.Tech.		
Year 1 & 2		•B.E./B.Tech. in Electronics, Electronics and Communication, Electronics and Telecommunication, Electrical and Electronics, Electronics Instrumentation, Electrical Engineering, Computer Science Engineering, or similar, with minimum 65% marks or 6.5/10 CGPA and a valid GATE score.		
INR 37,000.00 /- per month (+) HRA @ NA % (if applicable)		Desirable Qualification:		
Year 3		1. Good knowledge of Matlab and Python, specially with respect to deep learning and optimization tools, basic knowledge of quantum communication and related technologies.		
INR 42,000.00 /- per month (+) HRA @ NA % (if applicable)		2. Candidate eligible for Ph.D. subject to fulfillment of the institute regulations.		
Job Description:				

Will be working on the following objectives:

- 1) Preprocess medical speech or image data
- 2) Design quantum semantic framework
- 3) Performance evaluation of the framework
- 4) Deploy the framework on Jetson boards

Notified Later	Interview details:	-	Department of Electronics and Communication Engg.
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Application link for eligible candidate(s): [NIT Rourkela Homepage](#) → [FACULTY & STAFF](#) → [SRICCE](#) → [Career](#) → [Notices](#)

The candidate(s) are required to send the complete filled and signed application (soft copy) with documents regarding educational qualification indicating percentage of marks / division (mark-sheets and / or certificates), research papers (if any), work experience certificate (if any) etc., This may be built as a single PDF file and sent by email with "Advertisement No." on the subject link to the above mentioned e-mail IDs. NO hard copies of application(s) are required to be sent to the Institute. Last date for submitting the Application: **21-Jun-2026**

The period of experience in a discipline / area of work, wherever prescribed, shall be counted after the date of acquiring the minimum prescribed educational qualifications for that position. Mere possession of minimum qualification does not guarantee invitation to the interview. Candidates will be short listed based on merit and need of the project. Selection / Joining will be cancelled in case of any suppression of information / document submitted.

NIT Rourkela reserves the right to fix higher criteria for short-listing of eligible candidates from those satisfying advertised qualification and requirement of the project post. Only short-listed candidates will be informed for Online interview. In case, any clarification is required on eligibility regarding the above post, the candidate may contact in the above mentioned details.

Age Guideline: The upper age limit for applying for the award of project position shall be **28** years, which is relaxed up to 5 years in the case of candidates belonging to Schedule Castes / Schedule Tribes / PWD and Female applicants whereas 3 years in the case of OBCs (Non-creamy layer candidates). Upper age limit shall be reckoned as on the last date of receipt of applications.

Any other terms & conditions governed as per guidelines issued by the funding agency for the engagement of above position as amended from time to time shall be in force towards this temporary recruitment.

Sd/-

Asst. / Dy. / Jt. Registrar (SR)

Copy to:

- PI: Prof. Anirban Bhowal, EC ➤ Chairman, DRC, Dept. of EC ➤ Advertisement File
- Head of the Department / Centres / Units (It is requested that the contents of the above advertisement be brought to the notice of the staff(s) / student(s) working in your Deptt. / Centre / Unit.)
- Dealing Seat (SR – Project Recruitment) → To publish advertisement at NITR website.