



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 / 2025 / Advt.- 25EC008 / L / 005

dt.17/04/2025 Ref: FTS 250411-2773

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:	Design and Analysis of On-the-air RIS-Assisted Semantic Communication for 6G		
2.	Project Code with Duration (Closing Date):	SR/25/EC/008	16/12/2027	
3.	Funding Agency Details:	Department of Telecommunications (DoT)		
4.	Department / Centre:	Dept. of Electronics and Communication Engg.		
5.	Name of the PI with details:	Prof. Anirban Bhowal bhowala @nitrkl.ac.in anirbanb45 @ gmail.com 0661-246 2485 7002668986 -		
6. Details of the Post(s):		7. Educational Qualification & Working Knowledge		
Junior Research Fellow (JRF) [Name of the Post(s)] 01 (One) 02 Year(s), 10 Month(s) [No. of Post(s)] (Tenure of Post) Year 1 & 2 INR 37,000.00 /- per month (+) HRA @ NA % (if applicable) For the Tenure as Mentioned above INR 42,000.00 /- per month (+) HRA @ NA % (if applicable)		Essential Qualification (s): (i) B.Tech/B.Sc./M.Tech/M.S./M.Sc. in ECE, EE, EC, EEE, CSE or related specializations pertaining to wireless communication, optimization, and deep learning, with minimum CPI of 6.0 or 60% for both postgraduate and undergraduate courses. (ii) Valid qualified GATE score is required. Desirable Qualification: 1. Good knowledge of Matlab, Python, and Verilog (desirable) specially with respect to deep learning and optimization tools. 2. GATE qualified candidate eligible for Ph.D. subject to fulfillment of the institute regulations. Without valid GATE scorecard, fellowship amount may be reduced as per institute policy. Experience / Software / Skillset: -NA- Job Description: Will be working in the project related to semantic communication and focus on the following objectives: 1) Design suitable DL architecture for semantic encoder and decoder. 2) Model the DL architecture using RIS, and optimize the design. 3) Experimental prototype design of RIS controller and the semantic encoder using Verilog. Candidates will get chance to work in collaboration with IIT Tirupati and IIT Guwahati. Candidates may enroll for Ph.D. at NIT Rourkela subject to fulfillment of all the eligibility criteria.		

Notified Later Interview details: - - - Department of Electronics and Communication Engg.

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: 05/05/2025

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 , Dept. of EC
- Chairman, DRC, Dept. of EC
- Head of the Department / Centres / Units
- Dealing Seat (SR – Project Recruitment)
- Advertisement File

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.

To publish advertisement at NITR website.