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.- 25EC005 / L / 035 dt. 18-Jun-2025 **Ref: FTS** 250617-8806 **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 Development of Deep Learning based Secure Joint Channel Estimation and Feedback.		
2.	Project Code, Dept. with Closing Date:	SR/25/EC/005	16-Dec-2027	Electronics and Communication Engg.
3.	Funding Agency Details:	Department of Telecommunication (DOT)		-
4.	PI details:	Prof. Shrishailayya M Hiremath	hiremaths@nitrkl.ac.in, 0661-246 2459	
		9438503621	-	hiremaths @ gmail.com
5.	Co-PI details:	Prof. R P Naik, P Singh, B Palit and S Behera	setshri@nitrkl.ac.in, 0661-246 4691	
		-	-	- @ gmail.com

6. Details of the Post(s):	7. Educational Qualification & Working Knowledge
Research Fellow (RF) *[Name of the Post(s)]*	**Essential Qualification (s):** B.Tech/B.E/B.Sc(Engg) (with valid GATE/NET score) in ECE, EE, EC, EEE, EI, Telecommunication, Applied Electronics, Communication and Networks, CSE or related specializations pertaining to Telecommunication, signal processing, wireless and RF communication and VLSI and Embedded system, Information technology, AI and ML, with minimum 60% marks or 6.5/10 CGPA for throughout the carrier. M.Tech/M.E/M.Tech(R)/MS in Electronics and Communication, Telecommunication, Applied Electronics, Communication and Networks, Signal processing Communication and Signal processing, Wireless Communication, RF Communication, VLSI and Embedded system, AI and ML , Computer networks, CSE, any allied specialization, with minimum 60% marks or 6.5/10 CGPA for both postgraduate and undergraduate courses. or M.SC/MCA(with valid GATE/ NET/ Any national fellowship) in Electronics and Communication, Telecommunication, Applied Electronics, Communication and Networks, Signal processing Communication and Signal processing, Wireless Communication, RF Communication, VLSI and Embedded system, AI and ML , Computer networks, CSE, any allied specialization, with minimum 60% marks or 6.5/10 CGPA for both postgraduate and undergraduate courses.
01 (One) *[No. of Post(s)]* / 03 Year(s), 00 Month(s) *(Tenure of Post)*	
Year 1 & 2 INR 42,000.00 /- per month (+) HRA @ NA % (if applicable)	**Experience / Software / Skillset & Desirable Qualification:** 1.The candidate should have a basic understanding of Signal Processing, Digital Communication, MIMO Communication, Probability, and Linear Algebra / Optimization / Machine Learning algorithms. 2. Strong programming skills in languages such as C, C++, Python, MATLAB, VHDL, or Verilog are essential, along with experience in deep learning frameworks and wireless communication models. 3. Exposure to hardware platforms such as SDR, FPGA, or RF-SoC is desirable. 4.Familiarity with EDA tools will be given preference. 5. GATE-qualified undergraduate or postgraduate candidates in the above specializations are eligible for Ph.D. admission, subject to fulfillment of the institute's regulations. Candidates without a valid GATE scorecard may receive a reduced fellowship amount as per institute policy
Year 3 INR 42,000.00 /- per month (+) HRA @ NA % (if applicable)	
Job Description:	

Carry out research in the specified area of the project, including the following tasks: collecting CSI datasets, designing algorithms for joint channel estimation and feedback, developing deep learning techniques, implementing adversarial attacks and corresponding mitigation strategies, and developing joint sensing solutions on SDR/RF-SoC platforms.

Online Interview details: 07-Jul-2025 | 10:00 AM | 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: **04-Jul-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 32 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 & CO- PI: Prof. Shrishailayya M Hiremath , EC & Prof. R P Naik, P Singh, B Palit and S Behera EC
- Chairman, DRC, Dept. of EC
- 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)
- Advertisement File

→ *To publish advertisement at NITR website.*