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.- 24EC049 / L / 037 dt. 20-Jun-2025 Ref: FTS 250618-8975 **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 Intelligent Physical Layer Security Techniques for Non-Terrestrial Network-based Communications
2.	Project Code, Dept. with Closing Date:	**SR-24-EC-049** 08-Jun-2028 Electronics and Communication Engg.
3.	Funding Agency Details:	**ANRF, SERB** -
4.	PI details:	Prof. **Vinay Bankey** bankeyv @nitrkl.ac.in, **0661-246 2478**
		8149219260 - vinaybankey @ gmail.com

5. Details of the Post(s):

6. Educational Qualification & Working Knowledge

Junior Research Fellow (JRF)
[Name of the Post(s)]

01 (One)
[No. of Post(s)]

03 Year(s), **00** Month(s)
(Tenure of Post)

Year 1 & 2

INR **37,000.00** /- per month
(+) HRA @ **NA** % (if applicable)

Year 3

INR **42,000.00** /- per month
(+) HRA @ **NA** % (if applicable)

Job Description:

Essential Qualification (s):

MTech/ME/MS (with GATE qualified) in Electronics and Communication/ Electrical and Electronics/ Electrical/ Electronics/ Instrumentation/ Computer Science and Engineering or similar with specialization in Electronics/ Communication/ Signal Processing or similar with minimum 60% marks or 6.5/10 CGPA in both BE/BTech and ME/MTech.
(Or) 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 7.0/10 CGPA and Valid GATE score
(Or) M.Sc. (with GATE/NET/GPAT) in Electronics or similar with 65% marks or 7.0/10 CGPA

Desirable Qualification:

- Have a passion for Telecommunications security, e.g., in the fields of 5G/6G, wireless networks, software defined networks (SDNs), and NTN, satellite communications
- Knowledge of Digital Communications, Wireless Networks, and/or related areas
- Sound understanding of AI/ML algorithms—classification, regression, clustering, reinforcement learning (RL), and Deep learning (DL)
- Excellent written and verbal communication skills; Strong analytical, technical, problem-solving skills
- Programming languages including MATLAB, C++/Python and script languages

Candidate will undertake research on innovative AI/ML solutions and their trustworthiness to enhance Physical Layer Security in Non-Terrestrial Network (NTN)-based Communications including satellite, UAV, HAPS, and their applications.
Opportunity to enroll for PhD program.

Online	Interview details:	**03-Jul-2025**	**11.00 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: 02-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 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. **Vinay Bankey** , **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.*