



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.- 25EC022 / L / 064

dt.26-Aug-2025 Ref: FTS 250819-5862

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:	Development of subsurface feature detection techniques using subsurface sounding radar.		
2.	Project Code, Dept. with Closing Date:	SR-25-EC-022	30-Sep-2028	Electronics and Communication Engg.
3.	Funding Agency Details:	ISRO		STIC
4.	PI details:	Prof. Subrata Maiti 9438519870	-	smaiti@nitrrkl.ac.in, 0661-246 2468 subrata.maiti@gmail.com
5.	Co-PI details:	Prof. Upendra Kumar Sahoo 9348817431	-	sahooupen@nitrrkl.ac.in, 0661-246 2469 -@gmail.com

6. Details of the Post(s):		7. 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.Tech(R)/MS (with valid GATE/NET score) in Electronics and Communication, Telecommunication, Applied Electronics, Signal processing, Communication, Wireless Communication, RF, Microwave, Radar, 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.		
Year 1 & 2 INR 37,000.00 /- per month (+) HRA @ NA % (if applicable)		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. or M.SC/MCA(with valid GATE/ NET/ Any national fellowship) in Electronics and Communication, Telecommunication, Applied Electronics, Signal processing, Communication, Wireless Communication, RF, Microwave, Radar, 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.		
Year 3 INR 42,000.00 /- per month (+) HRA @ NA % (if applicable)		Experience / Software / Skillset & Desirable Qualification:		
Job Description:		Strong knowledge at least in two research areas among the following: 1) Digital signal processing. 2) RF and Microwave Engineering. 3) Wireless communication. 4) Radar/ Satellite Imaging. Knowledge of 1) Matlab/Python/C Programming, 2) Experience with wireless communication/ radar, 3) Experience with Radar Imaging, 4) Machine learning would be a plus.		

Conduct research on Ground Penetrating Radar (GPR) and Synthetic Aperture Radar (SAR) Imaging technology. Analyze Radar/ Satellite data for Planetary exploration, velocity estimation, identify the subsurface features.

Scope to enroll in Ph.D. program in the department of Electronics and Communication Engineering (Subject to fulfillment of all Institute/ Department eligibility criteria).

Online	Interview details:	11-Sep-2025	10:00 AM	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: 10-Sep-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.

Upper age limit for applying above position shall be 32 years for the candidates having M.Tech/ M.Tech(R)/MS degrees and 28 years for B.Tech/B.E/B.Sc(Engg) /M.Sc degrees respectively on the date of advertisement.
Relaxations for SC/ST/OBS/Women/PD will be given as per the GOI and Institute rules.

Sd/-

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

Copy to:

- PI & CO- PI: Prof. Subrata Maiti, EC & Prof. Upendra Kumar Sahoo, 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 Dept. / Centre / Unit.)
- Dealing Seat (SR – Project Recruitment) ➤ Advertisement File ➔ [To publish advertisement at NITR website.](#)