



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.- 24EC056 / L / 016

dt.14-May-2025 Ref: FTS 250507-5215

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:	Metasurface-based Circularly Polarized Antenna Configurations for Indian Regional Navigation Satellite System (IRNSS) and UAV.		
2.	Project Code, Dept. with Closing Date:	SR/24/EC/056	23-Mar-2025	Electronics and Communication Engg.
3.	Funding Agency Details:	ANRF		
4.	PI details:	Prof. Situ Rani Patre	patresr@nitrkl.ac.in, 0661-246 2479	
		9340409098	-	- @ gmail.com
5.	Details of the Post(s):			
Junior Research Fellow (JRF)		6. Educational Qualification & Working Knowledge		
[Name of the Post(s)]		Essential Qualification (s):		
01 (One)		ME/MTech/MS (with GATE qualified) in Electronics/ Instrumentation/ Electronics and Communication/ Electrical and Electronics/ Electrical/ Computer Science and Engineering or similar with specialization in Electronics/ Communication/ RF and Microwave/ Rada/ Photonics/ Signal Processing/ VLSI/ Embaded System or similar with minimum 60% marks or 6.5/10 CGPA at both BE/BTech and ME/MTech.		
02 Year(s), 10 Month(s)		(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.		
[No. of Post(s)]				
[Tenure of Post]				
Year 1 & 2		Experience / Software / Skillset & Desirable Qualification:		
INR 37,000.00 /- per month (+) HRA @ NA % (if applicable)		Knowledge of Electromagnetic Theory, RF and Microwave, Antennas, Metasurface, Microwave Integrated Circuit, Communication, Radar, Navigation System, GNSS, Radar Signal Processing.		
Year 3		Experience/ Software skill set: 1) HFSS/CST/FEKO, 2) Matlab/Python Programming, 3) Industrial experience with 5G/6G wireless communication, radar, 4) ADS simulation tools, Systemview software, 4) Experience on PCB design would be a plus.		
INR 42,000.00 /- per month (+) HRA @ NA % (if applicable)				
Job Description:				

Provide continuous handholding support through regular field visits and supportive supervision in the following areas:

1. Conduct research work (simulation, theoretical modeling, fabrication and experimental verification) on metasurface-based antenna related to project.
2. Prepare project report/articles etc. and other project related work.

Online Interview details: 28-May-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: 26-May-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. Situ Rani Patre, 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.