

INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE
(Name of Dept./Centre)


Dated: Jul 28, 2025

ADVERTISEMENT TO FILL UP PROJECT POSITIONS*

Applications are invited from Indian nationals only for project position(s) as per the details given below for the consultancy/research project(s) under the Principal investigator (Name: Prof. Ekant Sharma), Dept./Centre Electronics and communication Engineering, Indian Institute of Technology, Roorkee

1. Title of project: 5G Advanced ORAN Massive MIMO Base Station
2. Sponsor of the project: IIITB COMET Foundation
3. Project position(s) and number: Post-Doctoral Fellow (1)
4. Qualifications: Ph.D. in EC/EE/CS
5. Emoluments: 80000 + HRA (As per Institute Rules)
6. Duration: Initially, for ONE year (extendable based on performance)
7. Job Description: You will be responsible for the design, development, testing, and optimization of ORAN based 5G Distributed Unit. This role requires deep technical expertise, hardware knowledge innovative problem-solving skills, and the ability to work collaboratively in a fast-paced environment.
8. Essential Experience: Physical Hardware Design, PCB Layout, Peripheral testing and debugging, IC programming via I2C/JTAG, programming Xilinx FPGA/SoC, Vivado/Vitis, Verilog/VHDL, Board Support Package, Vector Network Analyzer, Spectrum Analyzer, Knowledge of Software Defined Radio/USRP, Timing Protocol, Wireless Communication.

Note:

- Candidates before appearing for the interview shall ensure that they are eligible for the position they intend to apply.
 - Candidates should apply by filling up the below google form
- <https://forms.gle/uBJxdT5jocbXMm4v5> or
- 
- After shortlisting, only shortlisted candidates will be called for the Interview.
 - Preference will be given to SC/ST candidates on equal qualifications and experience.
 - Please note that no TA/DA is admissible for attending the interview.

The last date for the applicants to fill the form is ~~18th August'25~~ ^{7th September 2025}. The interview will be held online on ~~21st August'25~~ ^{10th September 2025}. Details will be mailed to shortlisted candidates.

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APPROVED

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Name and signature of Principal Investigator

(Prof. Ekant Sharma)

डॉ. एकान्त शर्मा / Dr. Ekant Sharma

सहायक प्राध्यापक / Assistant Professor
इलेक्ट्रॉनिक्स एवं संचार अभियांत्रिकी विभाग
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*To be uploaded on IIT Roorkee website and copy may be sent to appropriate addresses by PI for wider circulation.