

**INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE
(Electronics and Communications Engineering)**

Dated: 20/07/2020

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: **Dr. Karun Rawat**), Department of **Electronics and Communications Engineering** Indian Institute of Technology, Roorkee.

1. Title of project: **Design & Development of Ultra-Wideband Multi-Octave Gallium Nitride Monolithic Microwave Integrated Circuit (MMIC) based Power Amplifier.**
2. Sponsor of the project: **SERB, New Delhi.**
3. Project position(s) and number: **Junior Research Fellow(JRF): 01 (one position)**
4. Qualifications: **M.E/M Tech. in Electronics & Communication or equivalent with CGPA above 7.0 (on 10.0 scale) or percentage greater than 70% aggregate irrespective of category. B.E./B.Tech. in Electronics & Communication or equivalent with CGPA above 7.5 (on 10.0 scale) or percentage greater than 75% aggregate irrespective of category are also eligible.**

The candidate must have qualified National Eligibility Tests- CSIR-UGC NET including lectureship (assistant Professorship) or GATE. The candidate with exposure and interest in Microelectronics, VLSI, Device modelling, Radio frequency circuit design, Analog Electronics Design, etc. will be given preference. This is minimum qualification for application, the shortlisting will be done based on applicant's academic performance & their experience in the relevant areas etc.

5. Emoluments: **25000+ HRA (or as per SERB norms).**
6. Duration: **1 year and likely to be continue up to Project Duration.**
7. Job description: **The JRF will be involved in the research and development activities related to Power Amplifiers and wireless transmitter design with focus towards on-chip implementation. The JRF will also get exposure in measurement and characterization with test beds using embedded systems (or FPGA) in this research project. Based on performance, the JRF may be considered for PhD enrollment, subject to his eligibility as per the institute norms.**

1. Candidates before appearing for the interview shall ensure that they are eligible for the position they intend to apply.
2. Candidates desiring to appear for the Interview should submit their applications with the following documents to the office of Principal Investigator through email, by post or produce at the time of Interview:
 - Application in a plain paper with detailed CV including chronological discipline of degree/certificates obtained.

Approved.
Manish
22 July 2020.
Rajeev
20 DEAN (SRIC)

- Experience including research, industrial field and others.
 - Attested copies of degree/certificate and experience certificate.
3. Candidate shall bring along with them the original degree(s)/certificate(s) and experience certificate(s) at the time of interview for verification.
 4. Preference will be given to SC/ST candidates on equal qualifications and experience.
 5. Please note that no TA/DA is admissible for attending the interview.

Note: The selected candidate may get an opportunity for PhD admission.

The last date for application to be submitted to following emails of Principal Investigator is 05/08/2020, by 12 PM.

Emails:- karun.rawat@ece.iitr.ac.in, karun.rawat.in@ieee.org. Please mention project title in subject of the email.

Following documents (scanned copy) must be submitted with your application via email:

- (a) Detailed CV mentioning your academic and professional credentials along with industrial experience (if any),
- (b) Graduation and Post-graduation (if applicable) mark-sheets,
- (c) Valid Gate/NET score

The above documents must be sent through email. In case any candidate is failed to send the above documents, your application may not be considered while short-listing.

The interview date will be conveyed after shortlisting.

Tel: +911332284830

Email: karunfec@iitr.ac.in, karun.rawat.in@ieee.org

*To be uploaded on IIT Roorkee website and copy may be sent to appropriate addresses by PI for wider circulation.

Digitally signed by
Karun Rawat
DN: cn=Karun Rawat,
o=IIT Roorkee,
ou=Dept. ECE,
email=karun.rawat@iitr.ac.in, c=IN
Date: 2020.07.20
16:28:20 +05'30'

**Dr. Karun Rawat
(Principal Investigator)**

Approved

कुसुमासक (सिद्दिक)/Dean (SRIC)

[Signature]