



Indian Institute of Science Education & Research Bhopal

Bhopal By Pass Road, Bhauri, Bhopal-462066, M.P., India

Advertisement for the position of Research Associate & Junior Research Fellow (JRF) within ISRO funded research project.

Applications are invited from motivated individuals for a research position in Modelling of Buried Channel MOSFET under the supervision of Dr. Aditya Sankar Medury within ISRO funded project, as detailed below.

1. **Project title:** Modelling of Buried Channel MOSFET.
2. **Position:** One Research Associate & One Junior Research Fellow (JRF).
3. **Fellowship:** Research Associate : Rs. 47,000/- per month + 18% HRA
Junior Research Fellow : Rs. 31,000/- per month + 18% HRA
4. **Basic Eligibility:**

Research Associate: Ph.D/MD/MS/MDS or equivalent degree or having 3 years of research, teaching and design and development experience after MVSc/M.Pharm/ME/M. Tech with at least one research paper in Science Citation Indexed (SCI) journal.

Junior Research Fellow: PG Degree in Basic Science OR Post Graduate/Post Graduate Degree in Professional Course selected through a process described through any one of the following: (a) Scholars who are selected through National Eligibility Test - CSIR-UGC NET including lectureship (Assistant Professorship) or GATE (b) The selection process through National level examinations conducted by Central Government Departments and their Agencies and institutions such as DST, DBT, DAE, DOS, DRDO, MHRD, ICAR, ICMR, IIT, IISc, IISER etc.

5. **Essential Requirements:**

Junior Research Fellow: Good Understanding of the physics of MOS Transistors with experience on MATLAB /Python.

Desirable: Experience with Synopsys Sentaurus TCAD Tools in Device/Process Simulation is highly desired.

Research Associate: Experience on MOS Transistor modeling including device/process simulation using Sentaurus TCAD Tools, device/compact model development.

Desirable: Experience on MOS Device Characterization is highly desired.

6. **Duration:** The initial offer will be for one year which may be extended, based on performance and mutual interest.

7. **How to apply:** Interested candidates are requested to send their CV (including name, date of birth, address for communication, phone number, email id, details of educational and scientific accomplishments) to Dr. Aditya Sankar Medury over email. The subject line must contain “ISRO JRF application” for those candidates applying for the JRF position, while those candidates interested in applying for the Research Associate position should mention “ISRO RA Application” in the subject line of their email .
8. **Last date of application:** 06th May 2022. The selected candidates will be expected to join at the earliest.

Contact Details:

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