



20 December 2024

Notification for Recruitment of Project Associate - I, Electrical Engineering
Project Funded by SERB Core Research Grant Scheme
Ref: IITPKD/2024/095/EE/ARA

- **Project Areas:** Stochastic Resonance based detectors using thin-film integrated ferroelectrics. Work involves fabrication of PVDF based ferroelectric capacitors and characterization of charge-voltage characteristics. Investigating the possibility of stochastic resonance in these capacitors. Fabrication and characterization of ferroelectric-graphene hetero-structure transistors to enable direct detection of stochastic resonance

Will involve work in our cleanroom, device characterization, modeling and numerical analysis.

- **Required Skills:** Strong understanding of fundamentals. Familiarity with micro-fabrication techniques. Good analytical reasoning. Good communication and writing skills. Good competence in Matlab/ Python programming.
- **Eligibility:**
 - B.E./B.Tech or M.E./M.Tech in Electrical/ Electronics/ Instrumentation/ Engineering Physics/ Material Science, Any related branch of Engineering

Or

- M.Sc in Physics/ Chemistry/ Nanoscience/ Material Science Any related field
- Students currently studying for their BE/ BTech/ ME/ MTech/ MSc degree will not be considered

- **Appointment Duration:** Initially for six months with possibility of extension depending on the candidate's performance and availability of funds. The project has been sanctioned for three years with funding received for the first year. Possibility of sponsored MS(by research)/PhD for excellent candidates.
- **No. of Positions:** One
- **Salary Particulars:**
 - ME/MTech graduates: INR 31,000/- + applicable HRA as per norms
 - BE/BTech/MSc graduates:
 - ❖ INR 31,000/- + applicable HRA if candidate has GATE/ NET score
 - ❖ INR 25,000/- + applicable HRA without GATE/ NET score.

- **Deadline for application:** 03 January 2024 (Friday)
- **Additional information, if any:** Hostel accommodation may be provided at the institute based on availability on a chargeable basis. In case of non - availability of institute hostel, admissible HRA will be provided as per Government of India rules.

Candidates satisfying the required skills may send their resumes and certificates pertaining to educational qualifications starting from class X (in a single PDF) to “arvindajoy@iitpkd.ac.in”. The subject of the application e-mail should be **Application for Project Associate - I - IITPKD/2024/095/EE/ARA**. Also, candidates must fill up the Google Form <https://forms.gle/4aYcY9mSS2omjCGP8>. The candidate is expected to join immediately after receiving the offer letter.
