



03 January 2025

Notification for Recruitment of Junior Research Fellow, Mechanical Engineering
Project Funded by ANRF Core Research Grant Scheme

Ref: IITPKD/2024/094/ME/SAC

● **Project Areas:**

- Condition monitoring of EV battery packs for Indian climatic conditions.
- Battery Thermal Management and Health Monitoring.
- Developing models and strategies for Predictive Maintenance and Real-Time Condition Monitoring.

● **Required Skills:**

- Basic knowledge in Battery Chemistry/ Thermal management and control systems for battery/ Battery Management Systems (BMS)/ Battery Degradation Mechanisms.
- Embedded systems programming.
- Experimental design and Data acquisition.
- Problem solving and critical thinking.
- Technical writing (LaTex).
- Data analytics.
- Understand various standards and regulations to ensure safety, performance, and environmental compliance.

- **Eligibility:** Bachelor's Degree, B.Tech/B.E in Mechanical Engineering/Electrical Engineering/Instrumentation and Control Engineering with GATE qualification. (or) Master's Degree (Preferred), M.Tech/M.E in Energy Engineering/ Renewable Energy/ Thermal Engineering/ Power Electronics & Control Systems with GATE qualification. Experience (Preferred) in Battery Management System (BMS) design and applications/ Thermal management/ Real time condition monitoring systems etc.

- **Appointment Duration:** Initially for a period of 1 year, can be extended based on performance.

- **No. of Positions:** One

- **Salary Particulars:** The monthly remuneration for this position will be Rs. 37,000/- (Thirty-Seven Thousand Rupees only). 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.

- **Deadline for application:** 17 January 2025 (Friday)

Candidates satisfying the required skills may send their resumes and certificates pertaining to educational qualifications starting from class X (in a single PDF) to “samarjeet@iitpkd.ac.in”. The subject of the application e-mail should be “Application for Junior Research Fellow - **IITPKD/2024/094/ME/SAC**”. The candidate is expected to join immediately after receiving the offer letter.
