



**Indian Institute of Technology Ropar**  
Department of Electrical Engineering  
JC Bose Block (Permanent Campus),  
IIT Ropar, Ropar, Punjab, India - 140001

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### **Advertisement for JRF in SERB sponsored Project**

Applications are invited for a junior research fellow (JRF) position in the Department of Electrical Engineering, IIT Ropar under the project titled “**Design and development of an IoT enabled Pulse-Oximeter system for integrating with oxygen concentrators**”. The overall objective of the project is to design a pulse-oximeter system using commercially available electronic components for closed-loop control of blood oxygen saturation by integrating it with a standard oxygen concentrator.

#### **Essential qualifications:**

Master's degree in Electrical Engineering/ Electronics and Communication Eng./ VLSI/ Electronics Eng./ Electronics and Instrument Eng/ Biomedical Eng./ Equivalent branches with a GATE or CSIR UGC NET qualified score.

**OR** Bachelor degree in Electronics and Communication Eng./ Electronics Eng./ Electronics and Instrument Eng/ Biomedical instrumentation/ Equivalent Engineering or Technology branches with a GATE or CSIR UGC NET qualified score.

Candidates must have obtained at least 60% marks (or 6.5 CGPA) (55% marks or 6.0 CGPA for SC/ST) in their Bachelor's and Master's degrees.

**Desired qualifications:** Experience in electronic circuit and PCB design, soldering, testing, characterization and prototype development will be an added advantage.

**Duration:** The position is for twelve months in total.

**Salary:** A consolidated salary of **Rs. 31000/- per month** will be provided as per the institute norms.

The applicant must send the following documents in a single PDF file to **devarshi.das@iitrpr.ac.in (Dr. Devarshi Das)** on/before **28th March 2022** with the subject of the email as “Application for JRF position”.

1. A one-page cover letter describing the background and how it will help to pursue this project.
2. Resume with complete qualification, CGPA or % marks and experience details.
3. Soft copy of all degree certificates.
4. Proof of GATE/NET qualification.

**The selected candidates will be called for an online interview in the first or second week of April 2022 (tentatively).**

For any further information, please contact the principal investigator:

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