



भारतीय प्रौद्योगिकी संस्थान इन्दौर
सिमरोल, खण्डवा रोड, इन्दौर, भारत, पिन - 453 552
Indian Institute of Technology Indore
Simrol, Khandwa Road, Indore, India PIN - 453 552

IIT Indore

18 Nov. 2024

Advertisement for 02 Senior Research Fellows in ADA funded Project

Applications are invited from high caliber, enthusiastic and research-oriented candidates for the **two positions of Senior Research Fellow (SRF)** in a research project entitled "**Condition monitoring of axial piston pump of aircraft hydraulic system**" sponsored by the Aeronautical Development Agency, Government of India.

About the project: The project aims at developing a data driven modelling strategy for fault diagnosis of an aircraft's axial piston pump under different operating conditions; with specific emphasis on signal processing and machine learning to characterize and classify the different fault types and their severity.

Essential Qualification: First Class B.E./B.Tech./M.E./M.Tech or Pursuing M.Tech. in Mechanical Engineering/Mechanical and automation/Mechatronics/Electronics and/or Instrumentation/Computer Science/Data science and/or any other relevant engineering discipline. Candidate must have qualified GATE in the relevant area.

Desirables: The candidate should possess a good knowledge in fluid power systems and hydraulic components. Additionally, candidates with good command on machine learning, deep CNN, and signal processing is highly encouraged to apply.

Monthly Stipend: SRF salary at INR 42,000/month + 18% HRA; subject to the available project funding.

Duration: Initial appointment is for one year, which is extendable further based on performance up to the project duration. **Selected candidate may be considered for admission to Ph.D. Program as a regular full-time scholar at IIT Indore as per Institute norms.**

How to Apply:

- Interested candidates are requested to submit a **two-page write-up and a detailed CV** to Dr. Ankur Miglani (amiglani@iiti.ac.in), via email only with the subject line as "**Application for SRF position in ADA sponsored project**". The last date for submission of applications is 29 Nov. 2024.
- In the two-page write-up, the candidate should brief about the following: his/her past research work, any relevant research projects done previously, his/her idea for future research or views on the above project based on the literature search etc.
- CV should include complete information such as academic grades/percentage starting from Xth standard onwards with the details of year of graduating, university or college, GATE score with year, discipline, marks, All India Rank, number of candidates appeared, contact details and a valid email id. **Kindly mention the details of the work experience in the project relevant field.** Incomplete applications will be rejected.
- Only shortlisted candidates will be intimated by email for an online interview.
- In case the selected candidate does not meet the relevant experience of an SRF (Qualification prescribed for JRF with two years of research experience) they will be hired as a JRF. In such a case, the JRF norms would apply.
- In case of any query related to above project, kindly email to Dr. Ankur Miglani.