June 06, 2023

Advertisement for Junior Research Fellow in DST funded Project

Applications are invited from high caliber, enthusiastic and research-oriented candidates for the position of **Junior Research Fellow (JRF) (01 in No.)** in a research project entitled **"AI-augmented portable device for Damage Detection AIDD in rice and wheat grains"** sponsored by the Department of Science and Technology, Government of India.

About the project: The project aims at developing a device that helps in instant quality evaluating food grains. This is a portable device that can be employed at mandi's, flour mills and trading locations to ensure a quality index-based market pricing of food grains. The device is expected to require minimum installation procedure with little learning for its end users.

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

Desirables: The candidate should possess a good knowledge of image acquisition, image processing, as well as machine learning technique. Additionally, candidate with good exposure to deep CNN, signal processing are highly encouraged to apply.

Monthly Stipend: Consolidated Rs. 31,000 per month and HRA as per the funding agency.

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:
1. 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 JRF position in DST project"*. The last date for submission of applications is 22 June 2023. Only shortlisted candidates will be intimated by email for the online interview.
2. 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.
3. CV should include complete information such as academic grades/percentage starting from X[th] 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.
4. Only shortlisted candidates will be intimated by email for an online interview.
5. In case of any query related to above project, kindly email to Dr. Ankur Miglani.