1 vacancy · Junior Research Fellow

Build the sensors that keep harvests fresh

Join a research project at IIT Indore developing an integrated sensor-based data logger for microclimate monitoring and predictive quality modeling in post-harvest storage.

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Rs. 37,000 + HRA Monthly fellowship	**1 year** Initial duration, extendable
December 05, 2026 Last date to apply	**December 08, 2026** Interview (tentative)

Ready to apply?

Keep your CV ready and fill in the form before December 05, 2026.

Apply on Google Form

Official PDF

Position

Junior Research Fellow (JRF), 1 vacancy

Funding agency

AgriHub, IIT Indore

Department

Mechanical Engineering

Fellowship

Rs. 37,000 per month + HRA, as per funding agency

Duration

Initially 1 year, may be extended as per institute and funding agency guidelines

Last date to apply

December 05, 2026

Interview
December 08, 2026 (tentative)

About the project

An Integrated Sensor-Based Data Logger for Microclimate Monitoring and Predictive Quality Modeling in Post-Harvest Storage

The project is funded by AgriHub, IIT Indore and hosted in the Department of Mechanical Engineering. It brings together hardware, edge analytics and prediction to help monitor storage conditions and forecast produce quality.

What you will do

You will be responsible for the project objectives below, along with any other work assigned by the Principal Investigator (PI).

Hardware development

Design and build the sensor-based data logger.

Data collection and edge analytics

Collect field data and process it on the device.

Modeling

Develop models linking storage conditions to produce quality.

Predictive platform

Deliver a platform that predicts quality in post-harvest storage.

Who can apply

Essential qualification

A graduate or postgraduate degree in Mechanical Engineering, Mechatronics, Instrumentation, Electronics and Communication Engineering, or any other related branch.

Age limit

32 years for General category, with a 5-year relaxation for SC, ST, OBC-NCL and PwD candidates, as per rules.

Desirable, but not required

Qualification

- First Class M.E./M.Tech in Mechanical Engineering, Mechatronics, Instrumentation or Electronics
- A valid GATE score in a relevant area

Experience and skills

Work in CFTI, research labs or industry on similar projects, plus any of these:

PCB design | Wireless communication (BLE / LoRa / mesh) | Low-power embedded systems | Data analysis and ML (Python) | Device prototyping

Prototyping experience can be shown through a portfolio, publications or patents.

How to apply

1. **Prepare a detailed CV**
   Include academic grades or percentages from X standard onwards, with year of graduation, university or college, and discipline. Add your GATE score with year, marks, All India Rank and number of candidates who appeared. Include contact details, a valid email ID, and details of your work experience in the project-relevant field.

2. **Submit through the Google Form only**
   Applications are accepted only through the form. Open the application form.

3. **Wait for the shortlist email**

Only shortlisted candidates will be informed by email about the interview. No TA/DA will be paid for attending it.

> Please note: incomplete applications will be rejected. The selected candidate may be considered for admission to the PhD programme as a regular full-time scholar at IIT Indore, as per Institute norms.

Research & Development Section
Indian Institute of Technology Indore
Khandwa Road, Simrol, Indore 453552, India

Official advertisement (PDF)
Application form