

# Thapar Institute of Engineering & Technology, Patiala

## Advertisement for the Post of Junior Research Fellow (JRF)

**Project Title:** *A socio-economic approach for addressing sustainable crop production in Punjab under impending climate change effects*

**Funding Agency:** ACT Centre, TIET

**Principal Investigator:** Richa Babbar, Associate Professor, Civil Engineering Department at Thapar Institute of Engineering & Technology, Patiala

**Position:** Junior Research Fellow (01 Post)

**Duration:** Initially for 1 year; extendable based on performance and availability of funds.

**Fellowship:** ₹35,000/- per month.

### Essential Qualifications:

- M.E./M.Tech. in Water Resources Engineering, Geomatics, Environmental Science, Environmental Engineering, Agricultural Engineering with a minimum of 60% marks or equivalent CGPA.
- GATE/NET qualified candidates and showing interest in pursuing Ph/D will be given preference.

### Desirable Expertise:

- A good proficiency in **statistical data analysis using Python**
- Experience in **climate change impact assessment**, including relevant modelling.
- Hands-on experience in **GIS and remote sensing tools**
- Familiarity with **agriculture–environment interactions**, socio-economic surveys, and sustainable development concepts.
- Ability to conduct **fieldwork** and interact with stakeholders across rural areas in Punjab.
- Excellent **technical writing and communication skills**.

### Key Responsibilities:

- Conduct geospatial and statistical analyses to assess climate change impacts on crop production.
- Assist in designing and conducting field surveys and socio-economic data collection.
- Analyze climate, environmental, and socio-economic datasets using GIS and Python-based tools.

- Prepare reports, research papers, and outreach materials.
- Collaborate with interdisciplinary project teams and assist in project management tasks.

### How to Apply:

Interested candidates should email the following documents (as one pdf file ) to [richa.babbar@thapar.edu](mailto:richa.babbar@thapar.edu), cc to [act@thapar.edu](mailto:act@thapar.edu) by **25th June 2025**.

- Detailed **CV** with academic and research background.
- A **cover letter** explaining interest and suitability for the position.
- Scanned copies of **certificates and relevant documents**.

Subject line of the email should be: *“Application for JRF – Sustainable Crop Production Project”*.

Only shortlisted candidates will be invited for an **interview (online/offline)** and informed via email.

### Note:

- The position is **purely temporary**.
- No **TA/DA** will be provided for attending the interview.
- The PI reserves the right to **not fill the position** or reject any application without assigning any reason.