



Thapar Institute of Engineering & Technology Patiala

Advertisement for the Post of Junior Research Fellow (JRF)

Project Scope:	Game Design for Engineering Courses using Unity 3D and Python
Funding Agency:	ACT Centre, Thapar Institute of Engineering & Technology, Patiala
Principal Investigator:	Dr. Abhinay Kumar, Assistant Professor, Civil Engineering Department
Co-Principal Investigator 1:	Dr. Richa Nigam, Assistant Professor, Thapar School of Liberal Arts and Sciences
Co-Principal Investigator 2:	Dr. Jyoti, Assistant Professor, Computer Science and Engineering Department

Position: Junior Research Fellow (01 Post)

Duration: Initially for 1 year; extendable up to 2 years based on performance.

Fellowship: ₹35,000/- per month (consolidated).

Essential Qualifications:

- B.E./B.Tech. or M.E./M.Tech. in CSE or allied disciplines with a minimum of 60% marks or equivalent CGPA.
- Bachelors degree in other areas can be considered if the candidate has strong demonstrable skills in python programming and Unity 3D, with a minimum of 60% marks or equivalent CGPA.
- GATE/NET qualified candidates will be given preference

Key Responsibilities

- Design and develop digital gamification modules using Python and Unity 3D.
- Coordinate the deployment of gamified tools in classrooms and assist in conducting cognitive experiments.
- Gather and analyze quantitative data and qualitative data.
- Assist the Investigators in drafting research manuscripts for journals, preparing conference presentations.

Desirable Expertise

- **Programming Proficiency:** Strong skills in Python, specifically with libraries such as pygame, SimPy, pandas, and tkinter.
- **Game Design Skills:** Experience with Unity 3D for developing immersive, challenge-based 3D environments.

How to Apply:

Interested candidates should email the following documents (as one merged PDF file) to abhinay.kumar@thapar.edu, CC to richa.nigam@thapar.edu and Jyoti.maggu@thapar.edu by **10 April 2026**.

- 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 Position – ACT Project*”. Only shortlisted candidates will be invited for an **interview (online/offline)** and informed via email and phone.

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.