

Advertisement for the JRF position in the Department of Computer Science and Engineering, IIT Ropar

We are looking for a motivated individual to join our group as a Junior Research Fellow (JRF) in the Department of Computer Science and Engineering at the Indian Institute of Technology (IIT) Ropar. The position is under the supervision of Dr. Geeta in the research area of *Cybersecurity for Cyber-Physical Systems*.

Project title: Cybersecurity Framework for Cyber-Physical Systems using Digital Twin Testbeds to Analyze Attack Impact and Countermeasure Efficacy.

Responsibilities: Testbed development and attack-defend simulation

Number of Positions: 01 (Junior Research Fellow)

Duration: The initial appointment will be for six months, with the possibility of extension for up to three years based on satisfactory performance.

Ph.D. Opportunity: Selected candidate may apply for a Ph.D. Program in the future. **Fellowship:** Institute Norms.

Essential Qualifications:

1. Educational Qualification:

- Postgraduate degree (M.Tech.) in Computer Science, Electrical, Electronics Engineering, Embedded systems, or a related discipline, along with a valid GATE/NET qualification.

OR

- Undergraduate degree (B.Tech./B.E.) in Computer, Electrical, Electronics Engineering, Embedded systems, or a related discipline with a valid GATE qualification. GATE/NET qualification is not mandatory for candidates who have completed their UG from an IIT/IIT/NIT.

2. Technical Knowledge:

- Strong understanding of Computer networks, IoT systems, IoT, embedded devices, and cybersecurity.

3. Programming Skills:

- Proficiency in at least one programming language such as Python or C.

Application Deadline: 25th August 2025

- Shortlisted candidates will be called for an interview in online/offline mode.
- The date and time will be notified later through email.

How to Apply: Application will be made through the online Google form:

<https://forms.gle/HX33tUBswyTTdHFD8>

For any queries related to the application, available post and nature of research work, may be emailed to Dr. Geeta at geeta@iitrpr.ac.in. After joining, the selected candidate may be provided with hostel accommodation (subject to availability).