

Indian Institute of Technology Roorkee

Department of Electrical Engineering

Advertisement for Institute Post-Doctoral Fellow (IPDF)

The Department of Electrical Engineering, IIT Roorkee, invites applications from highly motivated and qualified candidates for the position of Institute Post-Doctoral Fellow (IPDF) under the supervision of Dr. Avik Bhattacharya.

Area of Specialization

- Power Electronics
- Advanced Control Systems
- Applications of Artificial Intelligence / Machine Learning in Power Electronics and Control

Eligibility

Candidates should hold a Ph.D. degree (or have submitted their thesis) in Electrical Engineering or a closely related discipline, with a strong research background in one or more of the above areas.

Desirable Skills

- Expertise in design and control of power electronic converters
- Proficiency in AI/ML-based modeling, control, and optimization techniques
- Experience with hardware implementation and simulation tools such as MATLAB/Simulink, dSPACE, and OPAL-RT

Tenure and Fellowship

As per Institute norms for the Institute Post-Doctoral Fellowship at IIT Roorkee.

Application Procedure

Interested candidates are requested to send the following documents as a single PDF file to **bavikfee@iit.ac.in**:

1. Detailed Curriculum Vitae (CV)
2. List of Publications
3. Research Statement outlining proposed work
4. Copies of key publications

Important Dates

- Last date for application: **14th November 2025**
- Interview mode: Online and Offline (Hybrid)

Contact

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