

INDIAN INSTITUTE OF TECHNOLOGY HYDERABAD

Kandi, Sangareddy – 502284, Telangana, India

ADVERTISEMENT

Dated: 14.05.2026

Applications are invited for the following assignment under a collaborative R&D project between **L S Electricals (LSE)** and **IIT Hyderabad**, undertaken in the **Department of Electrical Engineering**.

1. Name of the Post	Junior Research Fellow (JRF)
2. No. of Positions	01 (one)
3. Project Details	Project No. LS/EE/F126/2025-26/C1853 Project Title: Setting up and Operation of RnD Center on Smartgrids PI: Dr Pradeep Kumar Yemula
4. Sponsoring Agency	M/s L S Electricals
5. Appointment Period	Initially for 11 months (extendable based on performance and project requirements)
6. Consolidated Monthly Pay	Rs. 37,000/- + HRA @ 30% (as per Institute norms)
7. Job Description	<p>The selected candidate will contribute to the establishment and functioning of a dedicated Smart Grid R&D Centre at IIT Hyderabad.</p> <p>Key responsibilities include:</p> <ul style="list-style-type: none">• Design, development, and testing of smart grid technologies including distribution automation, power system protection, and advanced metering infrastructure (AMI)• Work on power system automation systems, SCADA integration, and real-time monitoring platforms• Contribute to renewable energy integration frameworks including solar PV, battery energy storage systems (BESS), and microgrids

	<ul style="list-style-type: none"> ● Support power quality analysis, fault detection, and grid stability research ● Assist in development of digital twin models for smart grid assets and simulation environments ● Contribute to research documentation, technical reports, IP filings, and publications jointly with IITH faculty and LSE engineers ● Assist in creation of content for training programs based on Smart Grids.
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8. Essential Qualifications

Criterion	Requirement
Bachelor's Degree	B.Tech / B.E. in Electrical Engineering / Electrical & Electronics Engineering / Power Systems
Academic Performance	Minimum 60% marks or 6.5 CGPA in UG and PG degrees
Age Limit	Below 30 years as on 04.06.2026

9. Desirable Qualifications

- Master’s Degree: M.Tech / M.E. in Power Systems / Smart Grids / Power Electronics / Control Systems or related fields
- Experience with **SCADA/EMS/DMS** platforms or industrial automation tools
- Familiarity with **MATLAB/Simulink**, ETAP, PSS/E, or similar power system simulation software
- Knowledge of **smart metering**, AMI, IoT-based sensing, or communication protocols (MODBUS, DNP3, IEC 61850)
- Exposure to **renewable energy systems** — solar PV, BESS, or microgrid operation
- Prior research/project experience in smart grids, grid automation, or power distribution systems
- Basic programming skills in Python / web development for data analysis or embedded applications

10. Principal Investigator Contact

For technical information on the project, candidates may contact:

Dr. Pradeep Kumar Yemula

Associate Professor, Department of Electrical Engineering

IIT Hyderabad, Kandi, Sangareddy – 502284, Telangana

Email: ypradeep@ee.iith.ac.in

11. How to Apply

Eligible candidates should apply by filling out the online application form available at the link below:

<https://forms.gle/QLqmTEyFzeyES4VU9> Application Deadline: 5:00 PM, 04.06.2026

12. Selection Process

- Candidates will be **shortlisted based on merit** and alignment with project requirements, and notified via email.
 - Shortlisted candidates will be called for an **online/in-person interview**.
 - Candidates appearing for the interview must carry hard copies of:
 - Original degree certificates and academic transcripts
 - Aadhar card or date-of-birth proof
 - Any relevant experience certificates, publications, or awards
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14. General Terms

- The appointment is purely **temporary and project-based**; it does not confer any right to regular employment at IITH.
- The work will be carried out under the MoU signed between L S Electricals and IIT Hyderabad for the establishment of the **R&D Centre for Smart Grids**, dated 18 September 2025.

- Research outputs, intellectual property, and publications arising from this work shall be subject to the IP and confidentiality clauses of the said MoU, with joint ownership vested in both IITH and L S Electricals.
- All procurements and activities will follow the extant rules of IIT Hyderabad.

Department of Electrical Engineering

Indian Institute of Technology Hyderabad

Kandi, Sangareddy, Telangana – 502284

Website: www.iith.ac.in