APPLICATIONS INVITED FOR THE POST OF Networking & Communication Research lab (NCRL) SRF. Last date for applications: 25th Dec, 2026.

1 Position

Designation	NCRL SRF
Job Description	- **IIoT Infrastructure Development:** Design and implementation of industrial IoT infrastructure integrating intelligent industrial sensors, actuators, PLCs, gateways, security appliances and industrial networking devices using protocols such as Modbus, OPC UA, MQTT, Ethernet/IP and industrial wireless technologies. - **Industrial IoT Applications:** Development of IIoT applications using open-source IoT platforms for device onboarding and management, real-time industrial data acquisition, processing, monitoring, analytics and visualization. - **Cloud and Edge Computing:** Development and deployment of cloud-based IIoT services for industrial device management, data storage, processing, remote monitoring, analytics and integration with edge computing platforms. - **Industrial Testbeds and Demonstrations:** Establishment, integration and demonstration of experimental testbeds involving embedded systems, industrial communication networks, IoT gateways, sensors, actuators and automation systems. - **Industrial Use Cases and Prototyping:** Development and demonstration of IIoT applications such as predictive maintenance, equipment condition monitoring, industrial asset tracking, process monitoring and smart manufacturing.
Qualifications, Experience and Skills needed	**Educational Qualifications** • M.Tech/M.E/M.S in Computer Science, Electronics and Communication Engineering, Electrical and Electronics Engineering, or a related discipline, with a good academic record. • B.Tech/B.E in Computer Science, Electronics and Communication Engineering, Electrical and Electronics Engineering, or a related discipline, with a minimum of 2 years of relevant experience in Industrial IoT, embedded systems, industrial automation or networking. **Required Skills** • **Programming and Industrial Network Security:** Proficiency in computer programming, network security, industrial cybersecurity and secure communication protocols for OT/IT environments.

	• **Open-Source Platforms and Linux:** Experience with open-source IIoT platforms, Linux-based systems, IoT middleware and industrial device management frameworks. • **Industrial Communication Protocols:** Familiarity with Modbus TCP/RTU, OPC UA, MQTT, Ethernet/IP, CAN, and industrial Ethernet and wireless communication technologies. • **Cloud and Edge Computing:** Experience in cloud-based application development, edge computing, data acquisition, processing, storage and visualization for industrial applications. • **IIoT Architecture and Design:** Ability to design, document and implement IIoT solutions integrating sensors, actuators, PLCs, industrial gateways, networking infrastructure and cloud platforms. • **Scripting and Automation:** Proficiency in Python, Shell scripting and automation tools for device integration, data processing, monitoring and deployment of IIoT solutions. • **Embedded Systems and Hardware Integration:** Knowledge of microcontrollers, embedded Linux, sensor interfaces, communication modules, hardware-software integration and industrial gateways. • **Industrial Automation and Monitoring:** Understanding of industrial control systems, SCADA, PLCs, HMI, industrial data acquisition and real-time equipment monitoring •
Pay and Allowances	As per norms of the institute
Last date for applications	Interested candidates may apply with detailed resume with contact details to the google form given below, latest by 25th Dec 2026. https://docs.google.com/forms/d/1QTCQJh-vYZhmUjQaXOHEu0njUMHMA5Eb5XnV26sNa6s/edit