

12.Post:	Project Associate –IoT and Embedded System
Position Code:	PA (IES)
No. of Posts	01
Location	C-DAC, Silchar
Duration of the position	Three Years
Minimum Educational Qualification	1st Class (60 %) B.E/ B. Tech (Electronics & Communication / Telecommunication / Electronics/ Instrumentation/Computer Science) OR 1st class M.E/M. Tech in Micro-Electronics/ VLSI Design/ Electronics or equivalent OR PhD (in relevant domain)
Minimum Post Qualification Relevant Experience	NIL
Desirable Skills (in one or more topics)	<ul style="list-style-type: none"> • Prior Job experience in relevant field is preferred. • Hands-on experience in working with IoT System, Electronic System design, Circuits design, simulation, analysis, Debugging, ECAD tools, Signal Integrity/Power Integrity analysis tools, High speed board designs and analysis • Experience in working with IoT Sensor and system interfacing, Microcontrollers, Interfacing Peripherals, Memories, sensors, actuators, mechatronic/robotic components, power management system etc. • Working knowledge in end to end IoT System Design, Electronic system design, development, fabrication, assembly, testing, EMI/EMC, SI/PI, Thermal, Environmental compliance and standard certification. • Experience in VLSI, FPGA Verilog Programming, FPGA/ Microcontroller Python Programming, Embedded C Programming • Experience in Artificial Intelligence/ Machine Learning/Image Processing Programming • Experience in IoT software stack development and communication interface. • Hands-on experience in Python Programming, Machine Learning and Image Processing.
Job Profile and other Skills	<ul style="list-style-type: none"> • IoT/Electronic Circuit Design and Simulation, Embedded Software Programming, Testing and Debugging. • Meeting the desired technical competencies for end to end embedded system hardware design and development based on the project requirement. • Self-motivated, goal oriented and strong in problem solving skills are desired. • Designing, Testing , Product Development and Qualification, Project Proposal Writing and Documentation
Mode of selection	Written Test cum Interview
Emoluments	<p>Consolidated pay : Rs.25,000-35,000 p.m</p> <p>At present the salary and other benefits include Consolidated pay, Medical Reimbursement, Provident fund, Food / Canteen Subsidy, Leave Encashment, Gratuity and annual increment (as per the performance).</p>