

Embedded System and VLSI

- ✓ Embedded System and VLSI Lab work in providing in-depth knowledge and skills to enhance the learning paradigm of students
- ✓ In-depth knowledge, skills and comprehensive understanding about the Electronics fundamentals, SoC Design and Verification methodologies and industry practices followed by VLSI Design Companies across the world are practiced in the Lab.
- ✓ Different short-term, long-term courses undertaken under the aegis of Embedded System and VLSI lab are:
 - Six months Industrial Training programmes in Internet of Things (IoT) in collaboration with **IIT Ropar**
 - Six week Programme in
 - Internet of Things (IoT)
 - Internet of Things (IoT) using Augmented Reality (6 weeks)
 - Raspberry Pi with Python (6 weeks)
 - Embedded System Design-8051 / ARM7 / PIC microcontroller
 - Robotics Programming using Arduino
 - Programming with MATLAB
 - Real-Time Operating System
 - VLSI fundamentals and Hardware Design
 - FPGA architecture and programming using Verilog
 - PCB Simulation using Proteus

