

Pratik Tirodkar

Area of specialization

- ✓ Internet of Things
- ✓ Good Hands on experience wireless communication protocols such as 802.15.4 (Zig - Bee) , 6 Low Pan, BLE (nrf52832) , Sub - 1, Wi - Fi and Wired communication protocols such as CAN, MOD, SPI, I2C and Serial, RS232, RS485.
- ✓ Hands on Experience with 8 / 16 / 32bit controllers and processors such as Arduino / Raspberry - pi - 3/ Node MCU / Intel
- ✓ Analog Digital sensors and circuits design, PCB layout EMI / EMC knowledge, PCB layout design standards, Bread board / General purpose PCB prototyping testing, Eagle / Portus tools, Schematic design, Final layout etc.
- ✓ Very good experience in C, C++, Java, Python, Linux, Device drivers, System programming, assembly programming and firmware updates or SOC level programming.
- ✓ Very good exposure of IOT cloud services such as AWS IOT, IBM Blue - mix Watson, Thing - worx, Xively, MS Azure IOT, Cayenne, wylidrin etc
- ✓ Robotics & Embedded System
- ✓ Ethical Hacking
- ✓ MATLAB & Simulink
- ✓ Machine Learning & AI

Experience

- Delivered 100+ workshops & Lectures across pan India including IIT Bombay, IIT Kanpur, IIT Chennai, VJTI, NIT Trichy, etc
- Worked with 5+ companies for research-based projects, corporate trainings and industrial solutions
- Designed Course material for online courses on IoT, MATLAB & Robotics
- Delivered 5+ Faculty Development Program.
- Delivered lecture for Adobe.