CODING PRO ACADEMY

INTERNET OF THINGS (IoT)

Sense • Connect • Control • Automate

Build smart devices with Arduino, sensors, logic gates and ICs, then bring them together in real IoT projects.



DURATION 2 MONTHS

COURSE CURRICULUM

TOPICS	SUB TOPICS	
1. Introduction to IoT and Networking	Introduction to Internet of Things (IoT) IoT Components and Architecture	Applications of IoT Networking Basics for IoT
2. Event Handling	Digital Input and Output Interrupts and Timers	Sensors and Event Detection
3. Arduino and Their Programming	Introduction to Arduino Arduino Programming Basics Serial Communication	Arduino IDE Installation & Setup Working with Sensors and LEDs
4. Basic Gates	Introduction to Logic Gates NAND, NOR, XOR and XNOR Gates	AND, OR and NOT Gates Truth Tables and Gate Applications
5. Integrated Circuits	Introduction to Integrated Circuits Relay Modules and Motor Drivers	555 Timer IC Basic IoT Circuit Design
6. Project	LED Blinking Project Temperature Monitoring System	Smart Street Light Home Automation Project

ONLINE & OFFLINE LEARNING | **CERTIFICATE AVAILABLE** | **LED BY IIT / IIM ALUMNI** | **AI INTERVIEW & RESUME BUILDER**

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