

Since 2007, Making IT Experts & Products

Course: Internet of Things (IoT)

Duration: 100 Hrs (Changeable) | Fees: Individual / Batch

Since 2007, Nestsoft TechnoMaster has been providing training, internships, and services in IT technologies, both online and offline, with the expertise of **over 250 industry experts**. We have delivered internships, training, and seminars to more than 50,000 students, resulting in numerous success stories. **We offer 100% placement support through JobsNEAR.in**

Our Courses/Internship

- Python/Django Fullstack
- Artificial Intelligence
- Machine Learning
- Data Science
- Software Testing (All)
- Wordpress, Woocommerce
- Digital Marketing, SEO
- Php/MySQL, Laravel
- Flutter, Android, IOS
- Asp.net MVC
- Web Design, Javascript
- Angular JS, React JS
- CCNA, MCSA, CCNP
- AWS, GCP, Azure
- Odoo, Salesforce, Sap
- Microsoft Excel
- Ethical Hacking



Syllabus on the Next Page ..



Our Head Office: Nestsoft TechnoMaster, Infopark, Cochin - 42, Kerala, India

+91 9895490866

+91 8301010866

join@nestsoft.com

www.nestsoft.com

Since 2007, Making IT Experts & Products

* Internet of Things (IoT)

Month 1: Embedded Hardware & Microcontroller Fundamentals

Microcontroller basics, electronics basics, circuit design, sensor interfacing, and C/C++ programming for communication protocols (I2C, SPI, UART).

Month 2: Wireless Communication & Networking Protocols

LoRaWAN and 4G/5G networking fundamentals, Wi-Fi, Bluetooth Low Energy (BLE), Zigbee, and socket-based IoT gateway messaging protocols: MQTT, CoAP, HTTP REST APIs, and

Month 3: Edge Computing & Raspberry Pi Integration

* Linux fundamentals, Python scripting, and edge architecture using Raspberry Pi. containerization on edge devices, server modules, local data processing, gateway design, and Docker

Month 4: Cloud IoT Platforms, Security & Data Pipelines

telemetry data via AWS IoT Core, Azure IoT Hub, device provisioning, shadow management, and management, and TLS/SSL encryption, secure booting, authentication, certificate

Month 5: Edge AI (TinyML) & Industrial IoT Capstone

Microcontroller (TinyML) Machine Learning models on microcontrollers using TensorFlow Lite for project from hardware to cloud building a production-ready end-to-end Industrial IoT capstone

(Click on Course for more details)

Course: Internet of Things (IoT)

Duration: 100 Hrs (Changeable) | Fees: Individual / Batch

- Thank You -

N.B: This syllabus is not final and can be customized as per requirements / updates.

Our Head Office: Nestsoft TechnoMaster, Infopark, Cochin - 42, Kerala, India

+91 9895490866

+91 8301010866

join@nestsoft.com

www.nestsoft.com