![Oltron Group | OLTRON TECHNOLOGY - A TECH-SOLUTION COMPANY]

INDUSTRIAL INTERNSHIP

INTERNET of THINGS (IoT)

A complete package - Beginner to Expert level
ECE / EE / EEE / CSE

Visit Us: www.oltrongroup.com

Mail Us: services@oltrongroup.com

Contact Us: 7205005344

Internet of Things (IoT)

Oltron Internship Program

An internship is a short-term opportunity offered by organisations to students and graduates to gain work experience.

In our industrial internship program, we are offering courses for a limited period of time (ranging from a week to 6 months). Here you'll work on various innovative real-time projects & pick up industry-relevant skills.

Mission & Vision

Through This internship program our aim is to bridge the gap between what is taught in classrooms and what industries look for in recruits.

Trainings Vs Internship

Yes, they're as similar as star and starfish. Wait, what? Exactly! Training and internship are two completely different terms. A training refers to a series of lessons (offline or online) that are aimed at developing a particular skill while an internship is an opportunity to work in an organisation and contribute to its projects.

About Internet of Things()

Internet of Things () is an ecosystem of connected physical objects that are accessible through the internet. The 'thing' in could be a person with a heart monitor or an automobile with built-in-sensors, i.e. objects that have been assigned an IP address and have the ability to collect and transfer data over a network without manual assistance or intervention. The embedded technology in the objects helps them to interact with internal states or the external environment, which in turn affects the decisions taken.

Internet of Things can connect devices embedded in various systems to the internet. When devices/objects can represent themselves digitally, they can be controlled from anywhere. The connectivity then helps us capture more data from more places, ensuring more ways of increasing efficiency and improving safety and security.

Course at a Glance:

Internet of Things (IoT):

- Introduction to IoT
- Study of basic electronics
- Analog and Digital electronics
- Role of IoT
- IoT Concepts
- IoT Automation Concepts
- Wi-Fi Communication
- Overview of electronic components
- Power Supply
- Voltage Regulators
- Microprocessor and microcontroller
- Architecture of microprocessor and microcontroller
- Family of microcontrollers
- Introduction to AVR microcontrollers
- Arduino
- Study of Power supply to microcontrollers
- Input/output Ports of microcontrollers
- Input/output devices
- Arduino Platform
- Registers in Arduino
- Programming
- Pull up and pull down condition
- Memory Devices
- Software for Programming in IoT
- Basic IoT module(Node MCU)
- Fundamental of IoT Programming
- Data Display System
- USART Communication - Wireless
- ADC (Analog to digital Conversion)
- Analog DATA Analysis from Sensors
- Multiple Sensor Network for data matching
- ESP8266 Wi-Fi Module
- Google Voice Communication
- Web Communication

SHOW STOPPER –WORKING WITH **IoT in Real-time INDUSTRIAL SYSTEM**

Benefits towards Students from Internship Program

- Skill Development

- Better opportunities in corporate world

- Industrial Type Environment

- Familiar with latest technology

- Internationally Valid Certification -

  - **ISO Certified**
  - **MSME (Govt. of India) Certified**

Internship Fee: INR 5000/-

Time Duration: 4 - 5 weeks

** Required kit will be provided by the company @ zero cost.