CREDO SYSTEMZ
Simplifying IT

INTERNET OF THINGS TRAINING

SECTION 1 – Introduction to Internet of Things

- ➢ Basics of Internet
- ➢ What is Internet of Things
- ➢ Technology behind Internet of Things
- ➢ Benefits of Internet of Things
- ➢ Use of Internet of Things
- ➢ Internet of Things Applications & Examples

SECTION 2 – Thing in Internet of Things

- ➢ What is Thing?
- ➢ Components of Internet of Things
    1. The Thing
    2. The Local Network
    3. The Internet
    4. The Cloud
- ➢ Explanation about Microcontrollers
- ➢ Study about Analog and Digital sensors
- ➢ Input and Output of Internet of Things

SECTION 3 - Embedded Systems

- ➢ Basics of Embedded System
- ➢ Components of Embedded Systems
- ➢ Embedded Infrastructure and Devices in IoT
- ➢ Interaction of Embedded Systems with physical world
- ➢ Study about next generation Embedded system hardware, software and tools

SECTION 4 – Sensors in IoT

- ➢ Sensors and Demystified
- ➢ Specification of Sensors
- ➢ Benefits and Usage of Sensors
- ➢ Types of Sensors in IoT
- ➢ Important Sensors used in IoT

SECTION 5 – Integrated Peripherals in IoT

➢ Study about Integrated Peripherals
➢ IoT Communication standards and protocols
➢ Communication protocols in IoT
➢ IoT Standards & Protocols
➢ Serial and Parallel Communication explained

SECTION 6 – Internet Protocol Explanation

➢ What is Internet Protocol?
➢ Types of Internet Protocols
➢ Types of Internet Topology
➢ IPV4 and IPV6 Protocols
➢ Difference between IPV4 and IPV6

SECTION 7 – Introduction of IoT using Arduino

➢ Study about Arduino board and sensors
➢ Arduino IoT platform
➢ Internet of Things Project with Arduino

SECTION 8 – Web + Arduino = Webduino

➢ Connecting Arduino to the Web Development
➢ Components of Arduino and circuits
➢ HTTP and Elements of HTML
➢ Controlling sensors using web page links

Contact Info

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🌐 **Know more about IOT TRAINING**

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