KEY FEATURES

- 24×7 Support on exercises.
- **Free Demo classes**
- Case studies
- 4.7/5 rating
- Industry standard tools
- Two decade of experience
- World class course structure
- Expert mentorship on IOT career
- 100% Placement Support
- Lifelong membership

COURSES OFFERED

DATA ENGINEERING
- Data Analytics
- Machine Learning
- Business Analytics
- Python

SYSTEM ENGINEERING
- IoT
- Hardware Design
- Embedded System
- VLSI Design

PRODUCT ENGINEERING
- Product Design
- Product Management
- Digital Marketing
- Start your Startup

SOFTWARE ENGINEERING
- AI
- Cloud
- Full Stock
- Develops

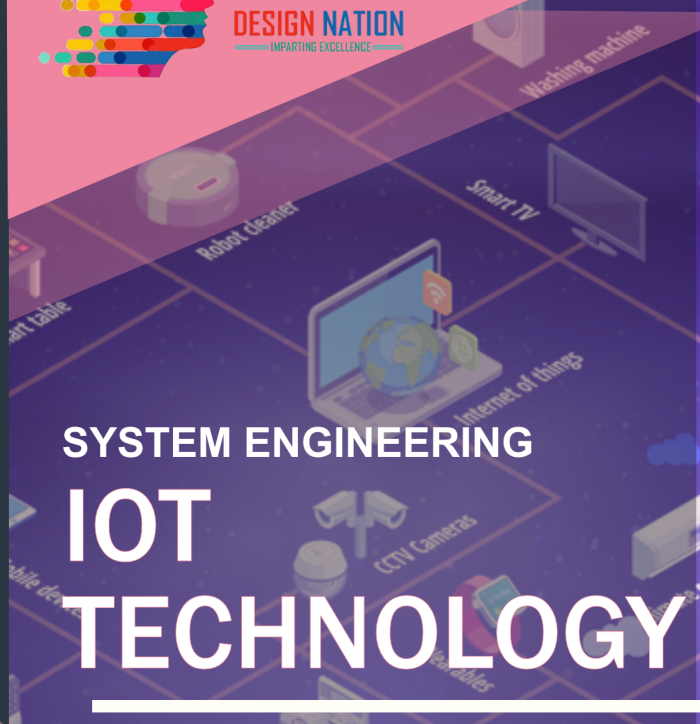
Location:

Center for Innovation and Entrepreneurship,
IIIT-H Campus,
Gachibowli,
Hyderabad – 500032
Telangana, India

Contact us:

http://designnation.in
contact@designnation.in
+91-8106294689

DESIGN NATION
IMPARTING EXCELLENCE



SYSTEM ENGINEERING

IOT TECHNOLOGY

ABOUT THE COURSE

Internet of Things (IoT), is an ecosystem or network of connected physical objects, including devices, gateways, machines that are accessible through internet. Amazon Echo, Google Home and Nest Thermostat are most popular IoT products.

Internet of Things, program is specifically designed with an objective to provide a sound platform and prepare attendees for a successful career in the field of IoT Design. The course content, the advanced lab, 1:5 classroom strength allows special focus on individual performance. We provide in-depth insights into IoT Stack, IoT Hardware, IoT Device Software, IoT Communications, IoT Cloud, and IoT User Applications. Embedded Linux, and Debugging Techniques.

SCHOLARSHIP

1. Scholarship will be provided based on online test and technical interview performance.

2. Candidates with score 80% in Engineering and 90% above in online test will be selected.

3. Candidates with good GATE score can avail additional scholarship.T&C Apply.

COURSE CURRILCULUM

1. Introduction
2. IoT Architecture
3. Sensor & Actuator
4. Raspberry pi and Arduino Hardware Overview
5. Arduino Programming fundamentals
6. Interfacing Sensors and Actuators with Hardware
7. Program Raspberry Pi board
8. IoT Communication Protocol
9. TCP/UDP Transport layer Protocol
10. HTTP Application layer IOT Protocol
11. MQTT IOT Protocol
12. CoAP IOT Protocol
13. Theory Introduction to the Big Data and Big data technologies
14. AWS IoT Setup for Application Development
15. IOT Project

INFRASTRUCTURE

1. ARM Cortex Board
2. Arduino Board
3. Raspberry Pi Mod-4 IoT Board
4. Arduino Uno Board
5. ARM Cortex starter kit
6. Xilinx SPartan-6 starter kit
7. Xilinx Zync starter Kit
8. 100+ Variety of Sensors
9. PIC and Rabbit 5000 Microcontrollers

QUALIFICATION

Aggregate 60% marks or above in a Graduate degree (BE/B.Tech. or M.Sc) in Electronics Engineering & Telecommunication/ Electrical engineering/ Computer Science & Engineering/Instrumentation or Master of Computer Applications (MCA). (Students of 4th year engineering are also eligibile).