

Online Internet of Things Training
Dive into the new age technology of Internet of Things
Duration: 4 weeks | Certified Training

About Internet of Things Training

The IoT Training by Internshala is a 4-weeks training program in the field of electronics, web applications and autonomous control of devices over the internet. This training will give you extensive insight to the world of Internet of Things. As you progress through the training you will work on the following projects:

- Environment monitoring application which senses the changes in light intensity and movement of people in a room
- A smartphone app to evacuate your premise in case of an emergency like fire, earthquake, terror attack
- Web-based monitoring system
- App-based light dimmer
- Sensor data based trigger
- Smart alerts and social media of things

Following are the detailed table of contents of the training:

Table of Contents

1. IoT Introduction & BOLT: *You will learn the key concepts of BOLT IoT and data visualization*

- Introduction: IoT
- The Thing: Part 1
- Hardware kit components
- BOLT IoT Module
- Registering on BOLT
- Adding your first BOLT device
- Building your first product
- Data Visualization
- Visualizing light data
- Type of charts
- Coding for visual graphs
- Gauge type charts

2. Building Web Apps: *Study about basic of HTML and Javascript. Learn how use the BOLT to collect data and controlling hardware.*

- Basics of HTML
- Basics of Javascript
- Remote API on BOLT
- LED Control
- Home automation I
- Remote alarm system
- Reading digital switch
- Home automation II
- ADC

3. Building real world apps: *Learn about interfacing hardware control with interactive applications*

- Creating VPS
- Python basics
- Controlling lights with Python
- Obstacle detection
- Reading sensor data
- Intruder alarm notification system
- Energy saving system
- Windows with twitter
- Facebook Punch in Punch out system

Excited to learn IoT, click [here](#) to sign-up for the training.

FAQs

What is this IoT training program about?

This is an online training program in the field of web based automation technology and is known as Internet of Things. Students will be trained in the basics of automation, web application and interface between hardware and software.

Who would be my instructor?

The Internshala Internet of Things training content has been developed in joint collaboration with Inventrom. Inventrom team will clear your doubts through live chat and answer your queries on the forum.

What is the duration of this training?

This is a 4 weeks training program.

Will kits be provided?

Yes, kits will be delivered to the students' address so as to enable them to build the projects demonstrated in the course.

What are the timings of this training program?

As this is a purely online training program, students can choose to learn at any time of the day. We will recommend a pace to be followed throughout the program, but the actual timings and learning hours can be decided by students according to their convenience.

Who can join? I am a beginner/advanced user, is this IoT training program for me? Anyone with an interest in the Internet of things (College students (every stream and year) & Working Professionals) are encouraged to join this program. Please note that this is a beginner level training.

Are there any pre-requisites for joining this program? This program is for beginners. There are no pre-requisites.

What are the benefits of joining this training program?

The Internet of Things (IoT) is the network of physical objects or "things" embedded with electronics, Software, sensors, and connectivity to enable it to achieve greater value and service by exchanging data with connected devices. Each thing is uniquely identifiable through its embedded computing system but is able to interoperate within the existing Internet infrastructure. It is one of the most advanced technology in the field of automation and robotics and this training would help lay in this field if you wish to make a career in it.

What software is required for doing this training?

All the necessary software are uploaded online which can be downloaded during training. The installation software is compatible with Windows OS only.

Will there be any project that I will get to work on?

Yes. You will receive a kit and use this to build the IoT projects demonstrated in this course. The kit will be delivered to your address.

Will I be able to download the training content?

If you enroll for this training, you can download entire content towards the end of your training. The download link will be available on your home page 18 days after the start of your training till the end of your training.

Will there be a certificate provided at the end of the training?

Yes, a certificate will be provided by Internshala upon completion of the training. Students may download a soft copy of the certificate through our portal.

Can the material be used by a group of students?

No. These training programs are meant for individual users. Multiple users will not be allowed to access the portal using the same account.

If you have any queries or doubts regarding the training, please write to us at trainings@internshala.com or call us on +91 85860 80747.