

Internet of Things (IoT) Certification Course with Kits



Joint Program of
Eckovation and Shri
Venkateshwara
University (SVU)



Course Brochure

Course duration: 2 Months, Open for : All years, all streams

Certification: Eckovation and SVU

What will you learn?

- Build your own exciting real IoT Projects in this Internet of Things Certification Course
- Understand the full end to end working of Raspberry PI
- Understand the integration of Sensors, electronics, mobile application, data analytics and optimization

Why to choose IoT Certification program of Eckovation



Industry Oriented Curriculum



Most Trusted Online Platform by 10+ Lakh Learners Worldwide



Real-Time Doubt Solving



24*7 Availability with Lifetime Content Access



Capstone Project under Expert Guidance



Guaranteed Internship after Course Completion

Description

How will an Internet of Things Certification Course help you?

Internet of Things, or IoT in short, is the internetworking of physical devices like sensors, motors or simply a smart device and linking them to cloud, so as to get updates remotely from almost anywhere. IoT has promising applications for smart homes, wearable devices, smart cities, connected cars and more.

This is a very practical oriented **Internet of Things Certification Course**. After you enroll for this course, you'll be couriered a kit costing around Rs. 8,000 and through video lectures, you'll be guided to use the kit to complete all your projects.

The kit includes components like Raspberry Pi 3, Sensors, Soldering Iron, Multimeter, Jumper wires, Cable, Relay Module, Raspberry Pi camera module, Breadboard, Transistors, Resistor box, Micro SD (16GB), Capacitor Box, PCB, LEDs, etc.

In this **Internet of Certification Course**, you will be building 6 projects, which will give you a complete idea of how electronics control systems work.

Once you complete the course and all the assignments you will be granted a soft and hard copy of the [completion certificate](#).

Price: Rs 35,000

Special additional discount of Rs 5000 for all SVU Students

Details related to Guaranteed Internship:

i) **Why?** - We believe acquiring a new skill without working on an actual project is wasteful spending of your time and resources. For your holistic learning experience, both course and internship should be combined.

ii) **Who?** - An Internship is guaranteed by Eckovation to **all Eckovation Alumni** - those who complete at least a course with us.

iii) **Where?** - The Internship will be either with **Eckovation or one of our partner organizations**. You will be able to access internship.eckovation.com once you register for a course with us. Our Internship Portal will feature profiles of our alumni and also list internship opportunities by various organizations where alumni can apply.

iv) **How many?** - The internship will be related to the skill(s) which you've acquired from Eckovation platform. In case of **multiple skills**, multiple internship opportunities may be provided.

v) **Nature of internship?** - The internships will be **virtual** in nature, i.e., you will be able to work on the internship project from home.

vi) **When?** - The Internship will start only **after your course completion** in either Summer/December Vacation depending on which comes first. In-semester internships can also be considered on a case-by-case basis.

vii) **Certificate** - A **separate internship certificate** will be provided at the end of internship period.

You'll design and develop the following projects in this Internet of Things Certification Course:

- Room Temperature Monitoring System
- Motion Detection System

- Soil Moisture Sensor
 - Home Automation System
 - Smile Detection using Raspberry Pi Camera
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Curriculum

Download Curriculum

Introduction to IoT

Introduction to Basic Electronics

- Resistor
- Capacitor
- Capacitor
- Breadboard
- Relay
- Motors
- Multimeter
- Potentiometer
- Seven Segment Display

Microcontroller

Introduction to Basic Programming

- Data Types
 - Variables
 - Operators
 - Control statements
 - Loops
 - Function declaration
 - String
 - Arrays
 - Objects
 - Time Functions
-

Raspberry Pi - Programming

Project 1 - Room Temperature Monitoring System

Project 2 - Motion Detection System

Project 3 - Soil Moisture Sensor

Project 4 - Home Automation System

Project 5 - Smile Detection using Raspberry Pi Camera

About Instructors

Yash Shukla

NIU , 2y+ experience

An Engineering graduate and Software Engineer.

Having more than 2 years of programming experience in Robotics .

He has in-depth working experience with multiple technologies including languages like Java, C, C# .

Niranjan Kumar

BITS Pilani, 8y+ experience

4 years of Industry Programming Experience with **Oracle** and **Ebay**,

8 years of experience with programming languages like C, C++, Python, Assembly Language (8086, 8085),

4 years of experience in Natural Language Processing, Artificial Intelligence

Akshat Goel

IIT Delhi, 8y+ experience

An IIT Delhi graduate and an acclaimed software engineer.

He has over 8 years of programming experience and has worked in major companies like DeNA, Japan etc.

Over the last decade, he has worked with multiple technologies. He has in-depth working experience starting from backend languages like Java, Node.js, PHP, Python, and frontend languages like AngularJs, React.js and jQuery.

He has been working with Android and Hadoop since last couple of years.