



# **CISCO CERTIFIED NETWORK ASSOCIATE ROUTING AND SWITCHING**

---

# **CCNARS**



**COURSE**  
BROCHURE



## Introduction to the Course

**Cisco Certified Network Associate | Routing and Switching certification holders concentrate on network infrastructure, principally routing and switching. However, they also work on security, wireless access, and connectivity with branch offices with the help of Wide Area Network (WAN). The CCNA Routing and Switching credential provides the experts the knowledge and skills that make them job-ready.**

**The Cisco Certified Network Associate Routing and Switching certification is an entry-level networking course offered by IEM Labs. All the trainers of IEM Labs are field experts and have working experience in various firms as Network Engineers. The trainers have been teaching our students according to their diverse academic abilities. All the course modules are taught according to the globally acknowledged Cisco training standards.**

## FOCUS AREAS

- Network Security 
- Control Applications 
-  Linux ●
-  Data Storage ●

With the course completion certificate, the student can get jobs in various reputed organizations working in the Internet of Things (IoT) as an Internet of Things Penetration Tester.

Students will be trained by the Internet of Things (IoT) Certified Job Professionals who have been working in this field for more than 10 years.

What makes this Certified Internet of Things Penetration Tester course much more exciting is that we provide hands-on training procedures through projects and practical-based classes throughout the entire curriculum of the course.

We at IEM Labs provide both Online (through platforms like "Google Hangout Meet", "Go to Meeting", "Zoom", etc.) and Offline mode classes. The most beneficial point for a student to get trained by IEM Labs is the "One Year Lab Access", i.e. every student from the date of admission will have access to our "Online Virtual Lab" for practicing and getting all notes, pre-recorded videos, and tools according to their course for one year free of cost.



## Market Job Openings

Listed below are the Certified Internet of Things Penetration tester jobs that are available for both working professionals and students.

**Penetration Test Security Engineer**

[Click Here to View Jobs](#)

**Web App Security Consultant**

[Click Here to View Jobs](#)

**Ethical Hacker**

[Click Here to View Jobs](#)

**IoT Security Engineer**

[Click Here to View Jobs](#)

# About the Course

- **Course Type: Basic**
- **Eligibility Criteria:**
  - **No Basic Knowledge required**
  - **Minimum System Configuration Required:**
    - o Intel i5 Processor
    - o 8GB RAM
    - o 1TB Hard Disk
- **Batch Size: 5 students maximum**
- **Course Duration: 40 hours**

	<b>ONLINE</b>	<b>OFFLINE</b>
<b>COURSE FEE:</b>	<b>20000 INR</b>	<b>20000 INR</b>
<b>TRAINING LOCATION:</b>	<b>ANY</b>	<b>KOLKATA</b>



# Course content

<b>MODULE 01</b>	<b>Introduction to Internet of Things (IoT)</b>
<b>MODULE 02</b>	<b>Lab Setup</b>
<b>MODULE 03</b>	<b>Internet of Things (IoT) Penetration Testing</b>
<b>MODULE 04</b>	<b>Software Defined Radio (SDR) Penetration Testing</b>
<b>MODULE 05</b>	<b>GNU Radio Penetration Testing</b>
<b>MODULE 06</b>	<b>Global System for Mobile (GSM) Penetration Testing</b>
<b>MODULE 07</b>	<b>Radio Signal Penetration Testing</b>
<b>MODULE 08</b>	<b>Car Penetration Testing</b>
<b>MODULE 09</b>	<b>ARM &amp; MIPS Reversing Techniques</b>
<b>MODULE 10</b>	<b>Firmware Analysis</b>
<b>MODULE 11</b>	<b>Internet of Things (IoT) Cloud Penetration Testing</b>
<b>MODULE 12</b>	<b>Bluetooth Low Energy(BLE) Penetration Testing</b>
<b>MODULE 13</b>	<b>Internet of Things (IoT) Vulnerability Analysis</b>
<b>MODULE 14</b>	<b>Report and Exploit Writing Methodologies</b>
<b>MODULE 15</b>	<b>Post Testing Methodologies</b>
<b>MODULE 16</b>	<b>Project</b>





*Unit: 601, Godrej Genesis Building, Block EP & GP, Kolkata-700091, West Bengal, India*

---

Find us on:



Toll Free: 1800 270 3002

 [www.iemlabs.com](http://www.iemlabs.com)

 [iema@iemlabs.com](mailto:iema@iemlabs.com)