IEM LABS.

COURSE
BROCHURE

Cisco Certified Network Professional | CCNP

Introduction to the Course

This is an intermediate-level certification course in the **Cisco Certified Professional Program**. This type of certification course aims at training for full-time network or system administrators or for people who work with local and/or wide area network. The entire course is taught by professionals who have been in this industry for more than 8 years. They are industry professionals and have an immense amount of experience in this field.

More than **1500+** students have been recruited by leading MNCs. Students who have taken up this course organised by **IEMLabs**. At the end of the **Cisco Certified Network Professional | CCNP** certification course, the student will be able to plan, execute, authenticate and troubleshoot local area networks as well as wide area networks.

Those who complete the **Cisco Certified Network Professional | CCNP** Routing and Switching, can demonstrate the necessary skills required by an enterprise in a **Network Engineer**, **Network Administrator**, **Support Engineer**, etc.

The knowledge and the skills gathered in routing and switching in this certification course provides a very good foundation for application in the physical as well as the virtualized networks present. The certification adds value to the CV and advances the careers of **Networking Professionals**.

Why to choose IEMLabs?

What is more exciting is that we are going to give you **hands-on projects** and **practical based classes** throughout the entire curriculum of this course to give you an idea about the practical aspects of the course.

We at **IEMLabs** 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 **IEMLabs** is "**One Year Lab Access**", i.e. every student from the date of admission will have access to our "**Online Virtual Lab**" for practising and getting all notes, pre-recorded videos and tools according to their course for one year absolutely free of cost.

About the Course

Course Type - **Diploma**

Eligibility Criteria: -

- **No prior knowledge required.**
- **Minimum System Configuration Required: -**
  - o **Intel i5 processor**
  - o **8gb Ram**
  - o **1tb Hard disk**

Batch Size - **5 students maximum**.

Course Duration – **18 months, 2 classes Per week**

Course Fee: -

- **Online - INR 14,000/- + 18% GST**
- **Offline - INR 13,000/- + 18% GST**

Training Location: -

- **Offline - Kolkata**
- **Online - Any**

Gradation System

- **E Excellent (90% - 100% Marks)**
- **A+ Very Good (80% - 89% Marks)**
- **A Good (70% - 79% Marks)**
- **B+ Average (60% - 69% Marks)**
- **B Fair (50% - 59% Marks)**
- **C Fail (Below 50% Marks)**

Course Content

- Module - 1: Introduction
- Module - 2: Lab Setup
- Module - 3: Layer 2 Technologies
- Module - 4: Point to Point Protocol (PPP)
- Module - 5: Frame Relay
- Module - 6: Layer 3 Technologies
- Module - 7: Internet Protocol Version 4 (IPv4)
- Module - 8: Address Resolution Protocol (ARP)
- Module - 9: Dynamic Host Control Protocol (DHCP)
- Module - 10: Internet Protocol Version 6 (IPv6)
- Module - 11: Static Routing
- Module - 12: Dynamic Routing
- Module - 13: Default Routing
- Module - 14: Administrative Distance
- Module - 15: Active & Passive Interfaces
- Module - 16: Protocol Filtering
- Module - 17: Policy-based Routing
- Module - 18: Route Maps
- Module - 19: Router Information Protocol Version 2 (RIPv2)
- Module - 20: Enhanced Interior Gateway Routing Protocol (EIGRP)
- Module - 21: Open Shortest Path First (OSPF)
- Module - 22: Border Gateway Protocol (BGP)
- Module - 23: Hot Standby Router Protocol (HSRP)
- Module - 24: Device Access Control
- Module - 25: Security Features & Configuration
- Module - 26: Project

Frequently asked questions (FAQ's)

1. **What must be the minimum age for doing this course?**
   Answer - There is no minimum age requirement for doing this course.
2. **What must be the minimum qualification required for doing this course?**
   Answer - There is no minimum qualification required if the student meets the **Eligibility Criteria**.
3. **Will I get any course material?**
   Answer - Yes, all materials are available on our online virtual lab, you can access them fully upto 1 year from the date of admission.
4. **Will I get a certificate after this course?**
   Answer - Yes, certificate (hardcopy/softcopy) will be provided after the course which will consist of a grade provided by the assigned trainer as per the final project submitted.
5. **In which language classes will be conducted?**
   Answer - Classes will be conducted mainly on English, Hindi & Bengali, mainly it will depend on majority criteria.
6. **Is this for professionals, students or both?**
   Answer - This course is both for Professionals and Students.
7. **Will there be any exam or project?**
   Answer - Yes, there will be 3 exams through the whole course duration and 1 project to be done after the course completion based on which Grade for certificate will be provided.
8. **Will I have to carry my own laptop or it will be provided?**
   Answer - It is recommended that the student carry his/her own system because it makes their self-practise easier. In case of emergency laptop/desktop can be provided by us.
9. **What kind of jobs roles can I apply after doing this course?**
   Answer - You can apply for any job roles related to the courses covered.
10. **Can I apply for an Internships at IEMLabs? What will be the selection criteria and procedure?**
    Answer - After completion of minimum 2 courses you can apply for an Internship. There will be a technical interview, based on the reports from Faculty and Technical Interview selection will be granted.
11. **Are the Internships paid?**
    Answer - Yes, the Internships are "***Paid Internships***".
12. **My question is not enlisted here, whom can I contact?**
    Answer - Feel free to get in touch with us at: -
    - Email: iema@iemlabs.com
    - Phone: India: +91 9163198148 | Canada: +1-604-431-979