# BESTPRACTICE-1

Title of the Practice: Value Added Course (CCNA)

1.



### 2. TheContext:

The Value Added Course (CCNA) refers to a specialized educational program or training course that focuses on the Cisco Certified Network Associate (CCNA) certification for students. The CCNA certification is an entry-level credential course offered by Cisco Systems, one of the leading networking technology companies globally.In this context, the term "Value Added" indicates that the course goes beyond the basic requirements of the CCNA certification, providing additional benefits and skills to the students. The Value Added Course (CCNA) aims to enhance the knowledge and expertise of individuals in the field of networking and computer systems, equipping students with practical skills and advanced concepts.

### 3. ObjectivesofthePractice:

The primary objective of the Value Added Course (CCNA) is to provide students with a comprehensive understanding of networking concepts, practical skills, and advanced knowledge beyond the standard CCNA certification.

### 4. ThePractice:

Hands-on practice is essential components of the Value Added Course (CCNA). They serve as a critical point of practice, allowing students to apply their theoretical knowledge, develop technical skills, and gain real-world experience in networking. The point of practice in the course includes lab exercise, packet tracer, study cases and Troubleshooting Sessions etc.

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SAIRAM_CISCO_BATCH_3

# CCNAv7: Introduction to Networks

CCNAv7: Introduction to Networks (English - 7.02)

20 May 2022 - 05 May 2023, SRI SAI RAM INSTITUTE OF TECHNOLOGY
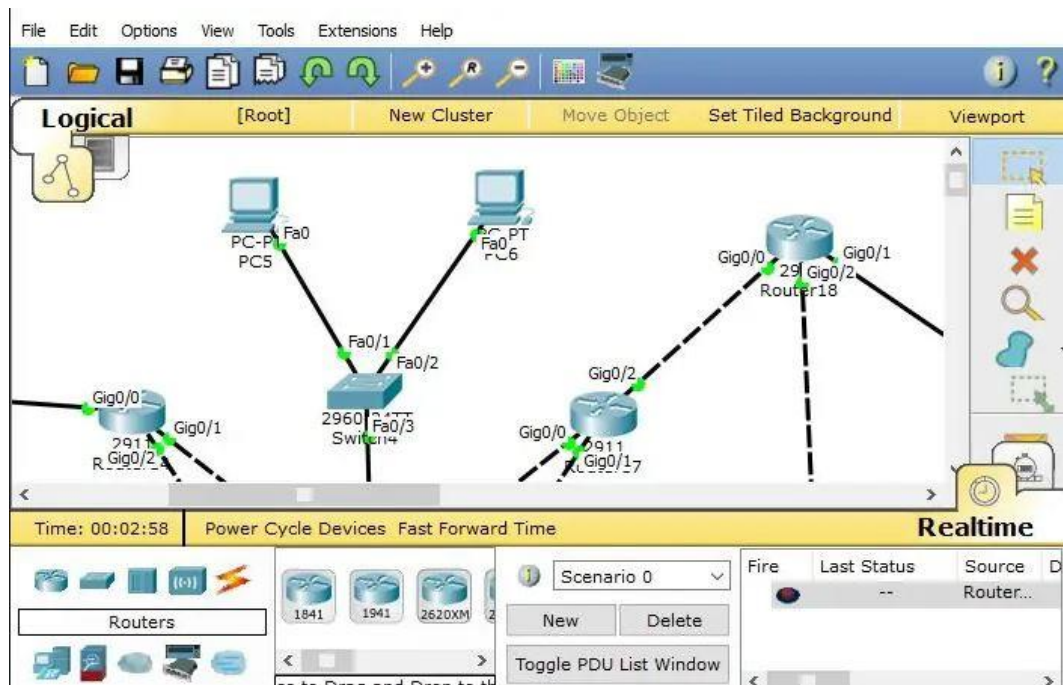
Instructors: ASHOK P, JANAKI R, D Rajalakshmi
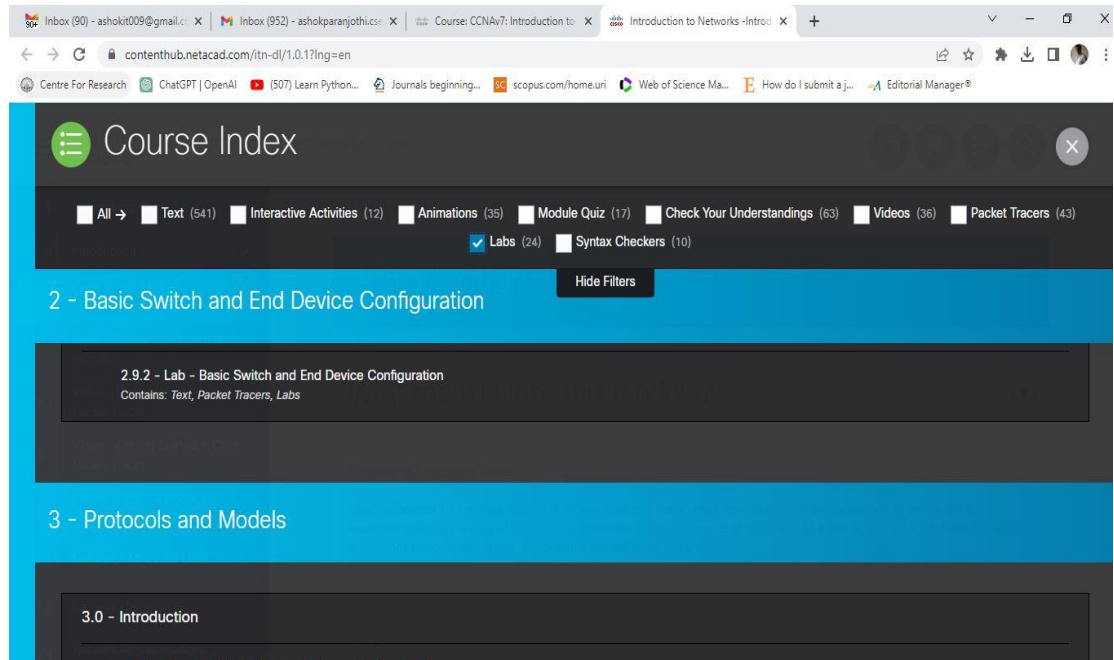
Course Facilitators: Sreedevi B.

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5. **Obstaclesfaced/Problemsencountered:**

Students may encounter challenges in comprehending complex topics such as routing protocols, subnetting, or network security.

The Value Added Course (CCNA) typically covers a wide range of topics, and students may find it challenging to manage their time effectively.

6. **Impact of the Practice / Evidenceof Success:**

   ✓ Improved Skills and Knowledge
   ✓ Exam Success and Certification
   ✓ Practical Project Outcomes
   ✓ Continued Learning and Professional Growth

## CCNAv7: Introduction to Networks

The student has successfully achieved student level credential for completing CCNAv7: Introduction to Networks course administered by the undersigned instructor. The student was able to proficiently:

- Configure switches and end devices to provide access to local and remote network resources.
- Explain how physical and data link layer protocols support the operation of Ethernet in a switched network.
- Configure routers to enable end-to-end connectivity between remote devices.
- Create IPv4 and IPv6 addressing schemes and verify network connectivity between devices
- Explain how the upper layers of the OSI model support network applications.
- Configure a small network with security best practices.
- Troubleshoot connectivity in a small network.

**shri Harri Priya Ramesh**

Student

**SRI SAI RAM INSTITUTE OF TECHNOLOGY**

Academy Name

**India**

Location

**5 May 2023**

Date

*Laura Quintana*
Laura Quintana
VP & General Manager, Cisco Networking Academy

**ıı|ıı|ıı** Networking Academy
**CISCO.**

5 May 2023

Dear shri Harri Priya Ramesh,

I want to congratulate you on completing the Cisco® **CCNAv7: Introduction to Networks** course as part of the Cisco Networking Academy® program. This hands-on, lab-oriented course has prepared you for tremendous career opportunities.

You have achieved student level credential for completing CCNAv7: Introduction to Networks, and acquired the following capabilities:

- Configure switches and end devices to provide access to local and remote network resources.

- Explain how physical and data link layer protocols support the operation of Ethernet in a switched network.

- Configure routers to enable end-to-end connectivity between remote devices.

- Create IPv4 and IPv6 addressing schemes and verify network connectivity between devices

- Explain how the upper layers of the OSI model support network applications.

- Configure a small network with security best practices.

- Troubleshoot connectivity in a small network.

In today's world, technical literacy is more important than ever, and Cisco is proud to provide you with the knowledge and skills necessary to build and maintain digital networks.

Keep up the great work and best wishes for continued future success.

Sincerely,

*Chuck Robbins*

Chuck Robbins
Chairman and Chief Executive Officer
Cisco

## 7. Resources Required:

- ✓ Well equipped lab for offline classes.
- ✓ Individual laptop or Desktop for practice at home or hostel
- ✓ To access online content, need of user id and password for individual students

## 8. ContactDetails

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PinCode:**600044**

AccreditedStatus:      **A+**          ValidityPeriod:**upto2023**

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