

GUDLAVALLERU ENGINEERING COLLEGE
(AN AUTONOMOUS INSTITUTE WITH PERMANENT AFFILIATION TO JNTUK, KAKINADA)

Seshadri Rao Knowledge Village :: Gudlavalleru

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CHECK LIST OF DOCUMENTS TO BE SUBMITTED FOR TRAINING PROGRAMS

Academic Year: 2020-21

Name of Coordinator: M.N. SATISH KUMAR

Semester: II

Name of Training Program: CCNA V7: Switching and Routing
Wireless Essentials

Designation: Asst. prof

Date

Sl. No.	Content	Check Mark (√ / X)	Remarks
1.	Circular signed by HoD with stamp	✓	
2.	Sample registration form	✓	
3.	Student registered list signed by HoD	✓	
4.	Sponsored letter by college		
5.	Faculty certificate	✓	
6.	Course description with outcomes	✓	
7.	Mapping of CO's with PO's and PSO's	✓	
8.	Schedule of the program	✓	
9.	PHOTOS (Soft Copy And Hard Copy)		
10.	Certificates of all participants	✓	
11.	Feedback with mapping of objectives and outcomes and it's analysis	✓	

No. of students Registered: 113

No. of students Certified : 30

Class of participants: III - B.Tech

Budget available for SDP: —

Budget utilized for this SDP: —

Budget remains:

Signature of Training program Coordinator

Signature of Criterion Coordinator


GUDLAVALLERU ENGINEERING COLLEGE
(An Autonomous Institute with Permanent Affiliation to JNTUK, Kakinada)
Seshadri Rao Knowledge Village, Gudlavalleru
Department of Computer Science and Engineering

Date: 01-04-2021

NOTICE

All the III B.Tech CSE students are informed that the Department of Computer Science and Engineering is conducted one month **Training Course** on **“CCNAv7 Switching Routing and Wireless Essentials”** by **Mr. M. N. Satish Kumar**, Assistant Professor of CSE, Gudlavalleru Engineering College starts from 04th April 2021, through online mode. Interested Students can register through the fallowed link <https://forms.gle/aun7kzh395vkiB1i9> on or before 03-04-2021.


(Mr. M. N. Satish Kumar)
Training Co-ordinator


(Dr. M. Babu Rao)
HoD, CSE

Head of the Department
Computer Science and Engineering
Seshadri Rao
Gudlavalleru Engineering College
Seshadri Rao Knowledge Village
Gudlavalleru - 521 356 Krishna District, A.P.

Copy to: Notice Board/ Training programs file

Training Registration For Cisco Certified Network Associate (CCNAv7) Switching Routing and Wireless Essentials

* Required

1. Student First Name *

2. Student Last Name *

3. Mail id *

4. Roll Number *

5. Branch *

Mark only one oval.

CSE

ECE

IT

EEE

6. Phone Number *

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Google Forms

GUDLAVALLERU ENGINEERING COLLEGE

(An Autonomous Institute with Permanent Affiliation to JNTUK, Kakinada)
Seshadri Rao Knowledge Village, Gudlavalleru – 521356, Krishna District (A.P.)

Department of Computer Science and Engineering CCNAv7_Switching Routing and Wireless Essentials

Course Registration Details

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1	17481A0528	saikrishna	chennareddy	saikrishnachennareddy@gmail.com
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 Instructor
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 HoD, CSE
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 Gudlavalleru - 521 356 Krishna District, A.P.

29	Bodi	Ishwarya	-	-	-	-	-	-	-	-
30	Chittiprolu	Jahnavi	-	-	-	-	-	-	-	-
31	GOTTAPU	JAHNAVI	100	100	100	96.2	100	99.24	95.4	96.94
32	Ashwini	Jangam	-	-	-	-	-	-	-	-
33	Lakshmi Sreya	Janjanam	100	100	100	100	97.6	99.52	97.9	98.55
34	Venkata Prasanth	Jogi	-	-	-	-	-	-	-	-
35	Durga Sri	Jonnalagadda	100	100	95.3	98.1	87.5	96.18	93.3	94.45
36	Manikanta Sai Manoj	Kambhampati	-	-	-	-	-	-	-	-
37	Mahali	Kathyayani	-	-	-	-	-	-	-	-
38	EMMADI	KEERTHI	-	-	-	-	-	-	-	-
39	devikiran	kesavarapu	-	-	-	-	-	-	-	-
40	Stuthi keerthi	kokkiligadda	97.7	100	100	96.4	92.7	97.36	98.9	98.28
41	Mahesh	Kollipara	-	-	-	-	-	-	-	-
42	Naga Venkata Naresh	Kollu	-	-	-	-	-	-	-	-
43	Pavan sai	Kolusu	-	-	-	-	-	-	-	-
44	Sri Tanuja	Komatlapalli	-	-	-	-	-	-	-	-
45	Anjani Varsha	Kona	-	-	-	-	-	-	-	-
46	Vagadheeswari	Kona	100	100	100	96.1	92.7	97.76	100	99.1
47	Hebsiba	Kundeti	-	-	-	-	-	-	-	-
48	siddhardha	kurma	95.6	93.3	86	98.1	94.9	93.58	93.3	93.41
49	VANGAPALLI	LAKSHMI POOJITHA	-	-	-	-	-	-	-	-
50	PUNUKOLLU	LIKITHA	-	-	-	-	-	-	-	-
51	Sai Sathwika	Mamidi	-	-	-	-	-	-	-	-
52	SAMMATA	MANIKANTA	-	-	-	-	-	-	-	-
53	Anji Reddy	Modugula	100	100	100	100	87.8	97.56	98.9	98.36
54	Sharanya	Movva	-	-	-	-	-	-	-	-
55	venkata sai	nadella	100	100	100	100	92.5	98.5	96.8	97.48
56	Avuru.Vasavi venkata	naga durga	-	-	-	-	-	-	-	-
57	Namburi	Naga Venkata Surya Kumari	100	97.8	100	100	92.7	98.1	95.8	96.72
58	Manikanta	Nagarapu	-	-	-	-	-	-	-	-

94	BIRUDUGADDA	SUDHA RANI	-	-	-	-	-	-	-	-
95	Daram.	Susmitha	-	-	-	-	-	-	-	-
96	EDE	SWAPNA	-	-	-	-	-	-	-	-
97	Hemanth	Tannidi	100	97.7	95.5	92.6	100	97.16	92.6	94.42
98	Sowmya	Teepireddy	96	95.2	100	100	95.1	97.26	96.7	96.92
99	Jaswanth	Teja	-	-	-	-	-	-	-	-
100	Rajeswari Sai Pooja	Thulam	-	-	-	-	-	-	-	-
101	Sravankumar	Tikkavarapu	-	-	-	-	-	-	-	-
102	Manjusha	Valluri	-	-	-	-	-	-	-	-
103	MAGULURI	VARSHITHA	-	-	-	-	-	-	-	-
104	Naga Tulasi Parvathi	Veerla	-	-	-	-	-	-	-	-
105	peddineni	venkata naga ramya	-	-	-	-	-	-	-	-
106	Rentachinthala	venkata Sai Praveen Kumar	-	-	-	-	-	-	-	-
107	SAI KUMAR REDDY	VUYYURU	-	-	-	-	-	-	-	-
108	MANDADI	VYSHNAVI	-	-	-	-	-	-	-	-
109	Hemasri	Yadavalli	-	-	-	-	-	-	-	-
110	Rishitha	Yadavareddy	-	-	-	-	-	-	-	-
111	keeerthi	yarramothu	-	-	-	-	-	-	-	-
112	Himaja	Yarrarapu	95.7	-	-	-	-	95.7	-	95.7
113	lakshmi prasanna	yekkaladevi	97.7	97.6	97.7	100	100	98.6	95.5	96.74


 Instructor
 (M.N.SATISH KUMAR)


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CCNAv7: Switching, Routing, and Wireless Essentials

The learner has successfully achieved instructor level credential for completing CCNAv7: Switching, Routing, and Wireless Essentials course administered by the undersigned instructor trainer. The learner was able to proficiently:

- Configure VLANs and Inter-VLAN routing applying security best practices.
- Troubleshoot inter-VLAN routing on Layer 3 devices.
- Configure redundancy on a switched network using STP and EtherChannel.
- Troubleshoot EtherChannel on switched networks.
- Explain how to support available and reliable networks using dynamic addressing and first-hop redundancy protocols.
- Configure dynamic address allocation in IPv6 networks.
- Configure WLANs using a WLC and L2 security best practices.
- Configure switch security to mitigate LAN attacks.
- Configure IPv4 and IPv6 static routing on routers.

M N SATISH KUMAR

Learner

EduSkills Foundation

Instructor Training Center

India

Location

4 Jul 2020

Date

Laura Quintana

Laura Quintana
VP & General Manager, Cisco Networking Academy

CCNAv7_Switching Routing and Wireless Essentials

This course focuses on switching technologies and router operations that support small-to-medium business networks, including wireless local area networks (WLAN) and security concepts. In this second course in a 3-course CCNA series you'll perform basic network configuration and troubleshooting, identify and mitigate LAN security threats, and configure and secure a basic WLAN.

You'll Learn These Core Skills:

- Work with routers, switches and wireless devices to configure and troubleshoot VLANs, Wireless LANs and Inter-VLAN routing.
- Configure and troubleshoot redundancy on a switched network using STP and Ether Channel.
- Develop critical thinking and problem-solving skills using real equipment and Cisco Packet Tracer.
- Explain how to support available and reliable networks using dynamic addressing and first-hop redundancy protocols.

Mapping of CO's with PO's and PSO's

Course Outcome:

By the end of the course,

CO 1: Work with routers, switches and wireless devices to configure and troubleshoot VLANs, Wireless LANs and Inter-VLAN routing.

CO 2: Configure and troubleshoot redundancy on a switched network using STP and Ether Channel.

CO 3: Develop critical thinking and problem-solving skills using real equipment and Cisco Packet Tracer.

CO 4: Explain how to support available and reliable networks using dynamic addressing and first-hop redundancy protocols.

Program Outcomes:

Engineering Graduates will be able to:

- a. **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- b. **Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- c. **Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- d. **Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- e. **Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
- f. **The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- g. **Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- h. **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- i. **Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- j. **Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

- k. Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- l. Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Program Specific Outcomes:

- a) Design, develop, test and maintain reliable software systems and intelligent systems.
- b) Design and develop web sites, web apps and mobile apps.

Mapping of Course Outcomes with Program Outcomes:

1- Low 2- Medium 3- High

	a	b	c	d	e	f	g	h	i	j	k	l
CO1	2	1	1	1								
CO2		1	2	1								
CO3			1		3							
CO4		1		1								

Mapping of Course Outcomes with Program Specific Outcomes:

	a	b
CO1	1	
CO2	1	
CO3	1	
CO4		

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 DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CCNAv7_Switching Routing and Wireless Essentials
Schedule of the Course

Module		Module Group Assessments
Module 1	Basic Device Configuration	Switching Concepts and VLANS (04-04-21 to 09-04-21)
Module 2	Switching Concepts	
Module 3	VLANs	
Module 4	Inter-VLAN Routing	
Module 5	STP	Redundant Networks (10-04-21 to 13-04-21)
Module 6	Ether channel	
Module 7	DHCPv4	
Module 8	SLAAC and DHCPv6 Concepts	Available and Reliable Networks\ (14-04-21 to 18-04-21)
Module 9	FHRP Concepts	
Module 10	LAN Security Concepts	L2 Security and WLANs (19-04-21 to 27-04-21)
Module 11	Switch Security Configuration	
Module 12	WLAN Concepts	
Module 13	WLAN Configuration	
Module 14	Routing Concepts	Routing Concepts and Configuration (28-04-21 to 06-05-21)
Module 15	IP Static Routing	
Module 16	Troubleshoot Static and Default Routes	

CCNAv7: Switching, Routing, and Wireless Essentials

The student has successfully achieved student level credential for completing CCNAv7: Switching, Routing, and Wireless Essentials course administered by the undersigned instructor. The student was able to proficiently:

- Configure VLANs and Inter-VLAN routing applying security best practices.
- Troubleshoot inter-VLAN routing on Layer 3 devices.
- Configure redundancy on a switched network using STP and EtherChannel.
- Troubleshoot EtherChannel on switched networks.
- Explain how to support available and reliable networks using dynamic addressing and first-hop redundancy protocols.
- Configure dynamic address allocation in IPv6 networks.
- Configure WLANs using a WLC and L2 security best practices.
- Configure switch security to mitigate LAN attacks.
- Configure IPv4 and IPv6 static routing on routers.

Anji Reddy Modugula

Student

Gudlalleru Engineering College

Academy Name

India

Location

M N SATISH KUMAR

Instructor

10 May 2021

Date



Instructor Signature

CCNAv7: Switching, Routing, and Wireless Essentials

The student has successfully achieved student level credential for completing CCNAv7: Switching, Routing, and Wireless Essentials course administered by the undersigned instructor. The student was able to proficiently:

- Configure VLANs and Inter-VLAN routing applying security best practices.
- Troubleshoot inter-VLAN routing on Layer 3 devices.
- Configure redundancy on a switched network using STP and EtherChannel.
- Troubleshoot EtherChannel on switched networks.
- Explain how to support available and reliable networks using dynamic addressing and first-hop redundancy protocols.
- Configure dynamic address allocation in IPv6 networks.
- Configure WLANs using a WLC and L2 security best practices.
- Configure switch security to mitigate LAN attacks.
- Configure IPv4 and IPv6 static routing on routers.

Batchu Srilasya

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