



MALLA REDDY ENGINEERING COLLEGE (AUTONOMOUS)
(An UGC Autonomous Institution. Affiliated to JNTUH, Hyderabad Accredited 2nd time by NAAC
with 'A' Grade & NBA and Recipient of World Bank Assistance under TEQIP-II S C 1.1)
Maisammaguda (H), Medchal-Malkajgiri District, Secunderabad,
Telangana State – 500100
www.mrec.ac.in

Department of Computer Science and Engineering

CIRCULAR

Date: 21-10-2017

All the students are hereby informed that Value Added Course on “**CCNA MODULE-1, MODULE-2**” on dated **01ST Oct to 05th Oct 2017**, is being organized by the **Computer Science and Engineering** department. The resource person for the course is “**Subhajit Jagadev**”.

Students are advised to register their names to the programme coordinator “**Mr. P Venkateshwar Rao , Assistant Professor, CSE**”, on or before 28-09-2017 and utilize this opportunity to enhance their skills by attending the programme.

The detailed schedule of the programme will be displayed in the notice board.

Head of the Department

Copy to:

- 1) Circulation in Students classroom
- 2) All HOD's
- 3) Notice Boards
- 4) PA to principal for filing.



Kareem
Principal
Malla Reddy Engineering College
Maisammaguda, Dhulapally
(Post Via Kompally), Sec'bad-500100

About the Institution

Malla Reddy Engineering College (Autonomous) is one of the reputed engineering colleges in Hyderabad, Telangana. **MREC (A)** is part of Malla Reddy Group of Institutions (MRGI), founded by Sri. Ch. Malla Reddy, currently Hon'ble Minister, Labor and Employment, Factories, Women and Child Welfare and Skill Development, Govt. of Telangana State. The college is situated in a serene, lush green environment in Maisammaguda, Gundlapochampally, Medchal (M), Medchal-Malkajgiri District Telangana- 500100.

The college was established in 2002 and is an autonomous institution approved by UGC and affiliated to JNTUH. The college is re-accredited by NAAC with 'A' Grade (II Cycle) and was conferred autonomous status by JNTUH in 2011 and by UGC in 2014 for a period of 6 years. Our eligible UG and PG programs received NBA accreditation and some of them received reaccreditation too. The college caters to wide ranging aspirations and goals of student communities by offering new courses in UG courses provides PG courses and MBA along with programs in various streams of Engineering & Technology and Management. It boasts of world-class infrastructure and well-equipped laboratories in all departments and is skillfully and smartly guided by **Dr. S. Sudhakara Reddy, Principal, MREC (A)** who have a rich teaching and industrial experience.

Advisory Committee

Chief Patrons: Sri. Ch. Malla Reddy
Founder Chairman
Malla Reddy Group of Institutions

Patrons: Sri.Ch. Mahender Reddy
Secretary, MRGI
Dr.Ch.Bhadra Reddy
President, MRGI

Co-Patrons: Dr.S. Sudhakara Reddy
Principal, MREC (A)

Convener: Dr. O. Obulesu
HOD CSE

Coordinator: Mr.P. Venkateshwar Rao
Assistant Professor, CSE

Resource Person: Shubhaji Jagadev,
Head, Cisco Academy Support Center

Organizing Committee:

Dr. R P Ramkumar, Professor, CSE

Dr. S. Dhanalakshmi, Professor, CSE

Mr. Sanjeeva Polepaka, Associate Professor, CSE

Mr. P.V.Ramana Murthy, Assistant Professor, CSE

Ms. S. Sandhya Ran, Assistant Professor, CSE

Mr.Md. Inayathulla, Assistant Professor, CSE

Mr.A.Lakshman, Assistant Professor, CSE

Mr.Yarava Rakesh Kumar, Assistant Professor, CSE

Mrs.G. Vamshi Krishna, Assistant Professor, CSE



*A One-Week Skill development Course
(Value added Course)*

On

"CCNA Module-I & II

(1st to 5th October, 2017)



Organized by

Department of

**Computer Science and Engineering
MALLA REDDY ENGINEERING COLLEGE**

(AUTONOMOUS) MAIN CAMPUS

An UGC Autonomous Institution, Approved by
AICTE & Affiliated to JNTUH-Hyderabad
Reaccredited by NAAC with 'A' Grade (II Cycle)
Maisammaguda (H), Gundlapochampally (V),
Medchal (M), Medchal - Malkajgiri District
Telangana - 500100, India.



Principal
Malla Reddy Engineering College
(Autonomous)
Maisammaguda, Dhulapally
(Post Via Kompally), Sec'bad, Hyderabad

About the Department

The Department of CSE was started in the year 2005 with a vision of imparting high-quality education to suite the global standards in Computer science and Engineering. The department has got highly qualified & committed faculty members supported by dedicated technical staff.

The department has its own library and sophisticated laboratories not only to suite curriculum requirements but also to serve research needs such as Computer Networks, Data Mining, Software Engineering, Image processing & Cloud Computing. Workshops, software simulation etc.

The department formed CSI and ISTE student branch for the benefit of students and faculty by conducting technical Conferences, workshops, FDPs and Guest lectures.

Overview of the Programme

The CCNA course recognizes basic skills in installing, supporting, and troubleshooting wired and/or wireless networks. One can choose from several tracks, including Cloud, Collaboration, Cyber Ops, Data Center, Industrial, Routing and Switching, Security, Service Provider and Wireless.

The CCNA certification validates your skills and knowledge in network fundamentals, network access, IP connectivity, IP services, security fundamentals, and automation and programmability.

Objectives of the Programme

During the Cisco Networking Academy® course, administered by the undersigned instructor, the student was able to proficiently:

- Understand and describe basic switching concepts and the operation of Cisco switches
- Understand and describe enhanced switching technologies
- Understand and describe dynamic routing protocols, distance vector routing protocols, and link-state routing protocols
- Configure and troubleshoot basic operations in a small switched and routed network
- Configure and troubleshoot VLANs and inter-VLAN routing

Topics to be covered

- Exploring the Network,
- Configuring a Network Operating System,
- Network Protocols and Communications,
- Network Access

Certificate

After successful completion of the course the certificates shall be issued to the participants.

Outcome of the program

On completion of this course, participants will be able to equip with all the skills required to match their expectations.

Registration Form

Name of the Participant :-----

Branch&Year :-----

Name of Institution:-----

Address for Communication:-----

Mobile Number:-----

E-Mail ID:-----

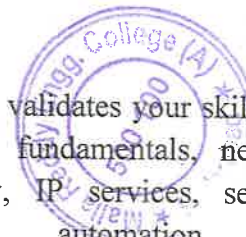
DECLARATION:

The information furnished above is true to the best of my Knowledge.

Place:

Date:

Signature of Applicant



PRINCIPAL

(Post Via Kompally), Sec'bar' 500 112



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CCNA SYLLABUS

- 1. Introduction to CCNA course**
- 2. Network access:** Virtual LAN (VLAN) Concepts, Data VLAN, Cisco Switching Concepts, Access Mode Ports, Trunking Operation, Static Trunking, Troubleshooting Trunk Interfaces.
- 3. Nondefault Native VLAN:** Dynamic Trunking Protocol (DTP), Layer 2 EtherChannel (LACP), Layer 3 Port Channel, Spanning Tree Operation, Rapid Per-VLAN Spanning Tree (RPVST+), Root Bridge Selection, PortFast Enhancement, Networking Fundamentals, Power over Ethernet, Cisco Discovery Protocol (CDP), Link Layer Discovery Protocol (LLDP).
- 4. Wireless infrastructure:** Wireless Networking Concepts, Autonomous Mode (Single SSID), Autonomous Mode (Multiple SSID), Cisco Mobility Express Setup.
- 5. IP Addressing:** Network Addressing Tutorial, IPv4 Addressing, IP Default Gateway, Binary Conversion Table, Network Address Zones, Classful (FLSM) vs Classless (VLSM), IP Subnetting - Class C, IP Subnetting - Class B, IP Subnetting - Class A, Subnetting Practice Lab.
- 6. IP Connectivity Fundamentals:** IPv4 Static Route, Troubleshooting Static Routes, IPv4 Default Route, IPv4 Floating Static Route, IPv6 Static Route, IPv6 Default Route, Practice Quiz: Route Selection, OSPF Link-State Routing Protocol, Single-Area OSPFv2 Design, Practice Quiz: OSPF Fundamentals, OSPF Designated Router Election.
- 7. security fundamentals:** Cisco IOS Hardening, Enable Password, Enable Secret (MD5), Console Port Rack Access, Remote Virtual Terminal Lines (VTY), Local Authentication Database, TACACS+ Server, Secure Shell (SSHv2), Switch Port Security, DHCP Snooping/DAI
- 8. IP services:** DHCP Network Services, IOS DHCP Server, Practice Quiz: DHCP Services, Domain Name Services (DNS), Network Address Translation, Port Address Translation, Static NAT Implementation, Network Time Protocol (NTP), Cisco IP Phone QoS.
- 9. System Management and Automation:** Managing Layer 2 Switches, Loopback Management Interface, Network Monitoring, Practice Quiz: Management Protocols, TFTP Server, Network Automation, JSON Validator Tool.
- 10. Configuration practice labs:** IP Connectivity, IP Services and Security, Operational Commands (Part 1), Operational Commands (Part 2).



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Maisammaguda (H), Medchal-Malkajgiri District, Telangana State – 500100

Department: CSE

CCNA MODULE- I & MODULE- 11

Date 01/10/2017-05/10/2017

Value Added Courses
List of Students enrolled and Completed

Sl. No	Roll No	Name of the students	Year/Semester
1	15J41A0501	Akarapu Vaagdevi	III/I
2	15J41A0502	Alla Jugal Sainath	III/I
3	15J41A0503	Arepally Jayanthi	III/I
4	15J41A0504	Bandi Vinuthna	III/I
5	15J41A0505	Bhumanapally Anjali Reddy	III/I
6	15J41A0518	Jangam Aishwarya Bhavani	III/I
7	15J41A0519	K Praveen Sai	III/I
8	15J41A0520	K Sravani	III/I
9	15J41A0521	Karishma Garikapalli	III/I
10	15J41A0531	M Sandesh	III/I
11	15J41A0532	Malothu Suman Naik	III/I
12	15J41A0533	Marri Praffula Kumar Mahantha	III/I
13	15J41A0534	Mekala Ashwanth Reddy	III/I
14	15J41A0535	Muliki Kavya Mounika	III/I
15	15J41A0545	Raja Radha Sowmya	III/I
16	15J41A0547	Rubina Tabassum	III/I
17	15J41A0548	Samba Rahul Raj	III/I
18	15J41A0549	Sardar Aisha Sultana Tasneem	III/I
19	16J45A0501	Ashangari Praneeth Reddy	III/I
20	16J45A0502	Burra Sai Charan Goud	III/I
21	16J45A0503	Kancharla Arundhathi	III/I
22	16J45A0504	Kanugula.Prashanth	III/I
23	16J45A0505	Konduru Vijaya Gandhi	III/I
24	15J41A0561	Akkineni Jahnavi	III/I
25	15J41A0562	Arava Raghunath Reddy	III/I
26	15J41A0563	Atul Kumar	III/I
27	15J41A0564	B Thejasvini	III/I



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28	15J41A0575	G Raghavender Yadav	III/I
29	15J41A0576	G Uma Maheshwari	III/I
30	15J41A0577	Galam Yamuna	III/I
31	15J41A0579	Gardas Samhith	III/I
32	15J41A0580	Gattoju Sharath Kumar	III/I
33	15J41A0581	Guguloth Krishna Sree	III/I
34	15J41A0582	Gurijala Harshitha	III/I
35	15J41A0583	J Vaishnavi Reddy	III/I
36	15J41A0584	K Sanjay Bhargav	III/I
37	15J41A0585	Kakumani S N Varaprasad	III/I
38	15J41A0587	Kamani Pavan Kumar Reddy	III/I
39	15J41A0588	Karre Sreeman	III/I
40	15J41A0599	Mohammad Soheb	III/I
41	15J41A05A0	N Vanitha	III/I
42	15J41A05A1	Nalluri Sreekanth	III/I
43	15J41A05A3	P Rakesh Kumar Reddy	III/I
44	15J41A05A4	Palle Divya	III/I
45	15J41A05A5	Pasupuleti Deekshith	III/I
46	15J41A05A6	Pendyala Dinesh Kumar	III/I
47	15J41A05B4	Suram Raju	III/I
48	15J41A05B5	Suram Samanth Raj	III/I
49	15J41A05B6	V Sai Vineela	III/I
50	15J41A05B8	Veerabathini Pavan Sai	III/I
51	15J41A05B9	Vemu Rahul Raj	III/I
52	15J41A05C0	Yerrabolu Ram Charan Reddy	III/I
53	16J45A0506	Kurre Anil Kumar	III/I
54	16J45A0507	N Naveen	III/I
55	16J45A0508	Nallolla Anil Kumar	III/I
56	15J41A05C4	Azmeera Akhil	III/I
57	15J41A05C6	Bankala Bharath Kumar	III/I
58	15J41A05C7	Basawaraju Sai Deepak	III/I
59	15J41A05C8	Bavandla Sai Teja	III/I
60	15J41A05C9	Bhuma Sai Teja	III/I
61	15J41A05D0	Bindu Boppudi	III/I
62	15J41A05K2	Chiruvolu Akash	III/I
63	15J41A05K3	Ciripuram Anirudh	III/I
64	15J41A05K4	D Manasasree	III/I
65	15J41A05K5	D Om Surya	III/I

Raveesh
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66	15J41A05K6	Dharavath Sravanthi	III/V
67	15J41A05K7	Dodda Hemanth	III/V
68	15J41A05K8	Donga Anand Prasad	III/V
69	15J41A05M8	Mittapalli Pavithra	III/V
70	15J41A05M9	Munagapati Sai Aishwarya	III/V
71	15J41A05N0	Nampelly Sankeerthana	III/V
72	16J45A0503	Kancharla Arundhathi	III/V



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CCNA - Summary

05.10.2017

This course is designed to impart knowledge about detailed knowledge of Computer Networks, various protocols used in Communication, Managing and configuring Cisco Switches and Routers and various WAN technologies.

The CCNA training offers different career path like Network Technician, Helpdesk Engineer, Network Support Engineer, Service Desk Engineer, and others. In the CCNP training, you can also get various job opportunities like Network Analyst, Systems and Network Engineer, Network Specialist, and IT Team Leader.

The speaker also covered the following topics:

- **Network access**
- **Wireless infrastructure**
- **IP Connectivity Fundamentals**

Cisco Certified Network Associate (CCNA) Routing and Switching is a certification program for entry-level network engineers that helps maximize your investment in foundational networking knowledge and increase the value of your employer's network. CCNA Routing and Switching is for Network Specialists, Network Administrators, and Network Support Engineers with 1-3 years of experience. The CCNA Routing and Switching validates the ability to install, configure, operate, and troubleshoot medium-size routed and switched networks.

After successful completion of the course the certificates are issued to the participants



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VAC CCNA MODUEL-I



Ravi
Principal
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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE OF COMPLETION

This is to certify that Mr./Ms. Akarapu Vaagdevi bearing Roll No. 15J41A0501 has successfully completed Certificate / Value Added Course / Workshop in CCNA MODULE-I , MODULE-II conducted by the Department of Computer Science and Engineering from 01th Oct 2017 to 05th Oct 2017.


COORDINATOR


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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE OF COMPLETION

This is to certify that Alla Jugal Shanith bearing Roll No. 15J41A0502 has successfully completed Certificate / Value Added Course / Workshop in CCNA MODULE-I , MODULE-II conducted by the Department of Computer Science and Engineering from 01th Oct 2017 to 05th Oct 2017

COORDINATOR



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE OF COMPLETION


This is to certify that Mr./Ms. Arepally Jayanthi bearing Roll No. 15J41A0503 has successfully completed Certificate / Value Added Course / Workshop in CCNA MODULE-I , MODULE-II conducted by the Department of Computer Science and Engineering from 01th Oct 2017 to 05th Oct 2017


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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE OF COMPLETION

This is to certify that Mr./Ms. Bandi Vinuthna bearing Roll No. 15J41A0504 has successfully completed Certificate / Value Added Course / Workshop in CCNA MODULE-I , MODULE-II conducted by the Department of Computer Science and Engineering from 01th Oct 2017 to 05th Oct 2017


COORDINATOR


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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE OF COMPLETION

This is to certify that Mr./Ms. B.Anjali Reddy bearing Roll No. 15J41A0505 has successfully completed Certificate / Value Added Course / Workshop in CCNA MODULE-I , MODULE-II conducted by the Department of Computer Science and Engineering from 01th Oct 2017 to 05th Oct 2017


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