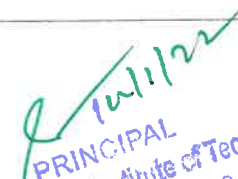




Department of Computer Science & Engineering
Dr TThimmaiah Institute of Technology,
Oorgaum Post, K G F – 563120

Program Schedule for Module I


Date & Day	Time	Activity
17.09.18	1:30PM to 4:30PM	Modules(1-3)
19.09.18	1:30PM to 4:30PM	Modules(1-3)
19.09.18	1:30PM to 4:30PM	Modules(4-7)
24.09.18	1:30PM to 4:30PM	Modules(4-7)
26.09.18	1:30PM to 4:30PM	Modules(8-10)
01.10.18	1:30PM to 4:30PM	Modules(8-10)
03.10.18	1:30PM to 4:30PM	Modules(11-13)
08.10.18	1:30PM to 4:30PM	Modules(14-15)


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10.10.18	1:30PM to 4:30PM	Modules(14-15)
15.10.18	1:30PM to 4:30PM	Modules(16-17)
17-10-18	1:30PM to 4:30PM	Modules(16-17)

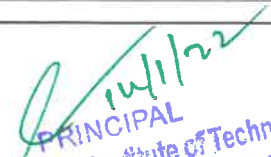

15/10/18
Course Co-ordinator
Nagaraj S


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Dr.T THIMMAIAH INSTITUTE OF TECHNOLOGY, KGF

CISCO MODULE 1 - SYLLABUS

Sl.NO	MODULES	TOPICS	OBJECTIVES
1	Modules(1 - 3): Basic Network Connectivity and Communications	Topic Title	Topic Objective
		Networks Affect our Lives	Explain how networks affect our daily lives.
		Network Components	Explain how host and network devices are used.
		Network Representations and Topologies	Explain network representations and how they are used in network topologies.
		Common Types of Networks	Compare the characteristics of common types of networks.
		Internet Connections	Explain how LANs and WANs interconnect to the internet.
		Reliable Networks	Describe the four basic requirements of a reliable network.
		Network Trends	Explain how trends such as BYOD, online collaboration, video, and cloud computing are changing the way we interact.
		Network Security	Identify some basic security threats and solution for all networks.
		The IT Professional	Explain employment opportunities in the networking field.
2	Modules 4 - 7: Ethernet Concepts	Topic Title	Topic Objective
		Purpose of the Physical Layer	Describe the purpose and functions of the physical layer in the network.
		Physical Layer Characteristics	Describe characteristics of the physical layer.
		Copper Cabling	Identify the basic characteristics of copper cabling.
		UTP Cabling	Explain how UTP cable is used in Ethernet networks.
		Fiber-Optic Cabling	Describe fiber optic cabling and its main advantages over other media.
		Wireless Media	Connect devices using wired and wireless media.
3	Modules 8 - 10: Communicating Between Networks	Topic Title	Topic Objective
		Network Layer Characteristics	Explain how the network layer uses IP protocols for reliable communications.
		IPv4 Packet	Explain the role of the major header fields in the IPv4 packet.
		IPv6 Packet	Explain the role of the major header fields in the IPv6 packet.
		How a Host Routes	Explain how network devices use routing tables to direct packets to a destination network.
		Router Routing Tables	Explain the function of fields in the routing table of a router.
4	Modules 11 - 13: IP Addressing	Topic Title	Topic Objective
		IPv4 Address Structure	Describe the structure of an IPv4 address including the network portion, the host portion, and the subnet mask.
		IPv4 Unicast, Broadcast, and Multicast	Compare the characteristics and uses of the unicast, broadcast and multicast IPv4 addresses.
		Types of IPv4 Addresses	Explain public, private, and reserved IPv4 addresses.
		Network Segmentation	Explain how subnetting segments a network to enable better communication.
		Subnet an IPv4 Network	Calculate IPv4 subnets for a /24 prefix.
		Subnet a /16 and a /8 Prefix	Calculate IPv4 subnets for a /16 and /8 prefix.
		Subnet To Meet Requirements	Given a set of requirements for subnetting, implement an IPv4 addressing scheme.
		Variable Length Subnet Masking	Explain how to create a flexible addressing scheme using variable length subnet masking (VLSM).
		Structured Design	Implement a VLSM addressing scheme.
5	Modules 14 - 15: Network Application Communications	Topic Title	Topic Objective
		Transportation of Data	Explain the purpose of the transport layer in managing the transportation of data in end-to-end communication.
		TCP Overview	Explain characteristics of TCP.
		UDP Overview	Explain characteristics of UDP.
		Port Numbers	Explain how TCP and UDP use port numbers.
		TCP Communication Process	Explain how TCP session establishment and termination processes facilitate reliable communication.
		Reliability and Flow Control	Explain how TCP protocol data units are transmitted and acknowledged to guarantee delivery.
		UDP Communication	Compare the operations of transport layer protocols in supporting end-to-end communication.
6	Modules 16 - 17: Building and Securing a Small Network	Topic Title	Topic Objective
		Security Threats and Vulnerabilities	Explain why basic security measure are necessary on network devices.
		Network Attacks	Identify security vulnerabilities.
		Network Attack Mitigation	Identify general mitigation techniques.
		Device Security	Configure network devices with device hardening features to mitigate security threats.
7	Practice Exams		
8	Course Feedback		
9	Final Exam		
Course Instructors:			
1. SHASHIKIRAN S			
2. SRINIVAS BABU N			


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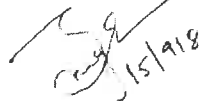


Department of Computer Science & Engineering
Dr TThimmaiah Institute of Technology,
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Attendance

SL No	USN	Participant Name	17/9	19/9	19/9	24/9	26/9	1/10	3/10	8/10	10/10	15/10	17/10
1	IGV17CS400	Ayesha	P	P	P	P	P	P	P	P	P	P	P
2	IGV16CS023	Harshitha R	P	P	P	P	P	P	P	P	P	P	P
3	IGV16CS020	Divya Shree	P	P	P	A	P	P	P	P	P	P	P
4	IGV17CS005	Anagha	P	P	P	P	P	P	P	P	P	P	P
5	IGV15CS003	Aishwarya K	P	P	P	P	P	P	P	P	P	P	P
6	IGV19CS405	Tameenuddin	P	P	P	P	P	P	P	P	P	P	P
7	IGV15CS038	Swathi Kamalini	P	P	P	P	P	P	P	P	P	P	P
8	IGV16CS075	Suma	P	P	P	P	P	P	P	P	P	P	P
9	IGV17CS026	Kavya Biradar	P	P	P	P	P	P	P	P	P	P	P
10	IGV17CS033	ShoiabNumaanullaBaig	P	P	P	P	P	P	A	P	P	P	P
11	IGV17CS023	Jananey	P	P	P	P	P	P	P	P	P	P	P
12	IGV17CS022	Imaad Uwaiz	P	P	P	P	P	P	P	P	P	P	P
13	IGV17CS016	Deepika M	P	P	P	P	P	A	P	P	P	P	P
14	IGV16CS086	Champa KP	P	P	P	P	P	P	P	P	P	P	P
15	IGV17CS008	Avelin Sheena	P	P	P	P	P	P	P	P	P	P	P
16	IGV17CS004	Akhila	P	P	P	P	P	P	P	P	P	P	P
17	IGV17CS072	Vani Shree	P	P	P	P	P	P	P	P	P	P	P
18	IGV17CS070	Trisha	P	P	P	P	P	P	P	P	P	P	P
19	IGV17CS065	Sindhu S	P	P	P	P	P	P	P	P	P	P	P
20	IGV17CS055	Rebecca Ann Dingle	P	P	P	P	P	P	P	P	P	P	P
21	IGV17CS054	Ravi Kumar	P	P	P	P	A	P	P	P	P	P	P
22	IGV17CS053	RasmithaGiri	P	P	P	P	P	P	P	P	P	P	P
23	IGV17CS048	Poovarasi	P	P	P	P	P	P	P	P	P	P	P
24	IGV17CS042	Naveen Sai Kumar	P	P	P	P	P	P	P	P	P	P	P
25	IGV17CS042	Manoj Kumar K N	P	P	P	P	P	P	P	P	P	P	P

COURSE CO-ORDINATOR


15/10/18

NAGARAJ S

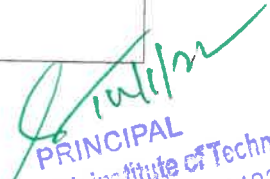

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Dr TThimmaiah Institute of Technology,
Oorgaam Post, K G F – 563120

Program Schedule(moduleII)

Date & Day	Time	Activity
05.11.18	1:30PM to 4:30PM	Modules 1 - 4
07.11.18	1:30PM to 4:30PM	Modules 1- 4
12.11.18	1:30PM to 4:30PM	Modules 5- 6
14.11.18	1:30PM to 4:30PM	Modules 5- 6
19.11.18	1:30PM to 4:30PM	Modules 7- 9
26.11.18	1:30PM to 4:30PM	Modules 7-9


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28.11.18	1:30PM to 4:30PM	Modules 10-13
03.12.18	1:30PM to 4:30PM	Modules 10-13
05.12.18	1:30PM to 4:30PM	Modules 14 – 16
13-12-18	1:30PM to 4:30PM	Modules 14 – 16

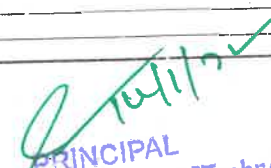

Course Co-ordinator
Nagaraj S


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Dr.T THIMMAIAH INSTITUTE OF TECHNOLOGY, KGF

CISCO MODULE 1 - SYLLABUS

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7	Practice Exams		
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Course Instructors:			
1. SHASHIKIRAN S			
2. SRINIVAS BABU N			


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Department of Computer Science & Engineering
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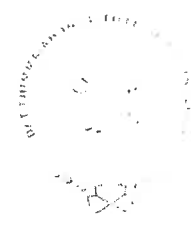
Attendance

SL No	USN	Participant Name	5/11	7/11	12/11	14/11	19/11	26/11	28/11	3/12	5/12	13/12
1	IGV17CS400	Ayesha	P	P	P	P	P	P	P	P	P	P
2	IGV16CS023	Harshitha R	P	P	P	P	P	P	P	P	P	P
3	IGV16CS020	Divya Shree	P	P	P	P	P	P	P	P	P	P
4	IGV17CS005	Anagha	P	P	P	P	P	P	P	P	P	P
5	IGV15CS003	Aishwarya K	P	P	P	P	P	P	P	P	P	P
6	IGV19CS405	Tameenuddin	P	P	P	P	P	P	P	P	P	P
7	IGV15CS038	SwathiKamalini	P	P	A	P	P	P	P	P	P	P
8	IGV16CS075	Suma	P	P	P	P	P	P	P	P	P	P
9	IGV17CS026	KavyaBiradar	P	P	P	P	P	P	P	P	P	P
10	IGV17CS033	ShoiabNumaanullaBaig	P	P	P	A	P	P	P	P	P	P
11	IGV17CS023	Jananey	P	P	P	P	P	P	P	P	P	P
12	IGV17CS022	ImaadUwaiz	P	P	P	P	P	P	P	P	P	P
13	IGV17CS016	Deepika M	P	P	P	P	P	P	P	P	P	P
14	IGV16CS086	Champa KP	P	P	P	P	P	P	P	P	P	P
15	IGV17CS008	Avelin Sheena	P	P	P	P	P	P	P	P	P	P
16	IGV17CS004	Akhila	P	P	P	P	P	P	P	P	P	P
17	IGV17CS072	Vani Shree	P	P	P	P	P	P	P	P	P	P
18	IGV17CS070	Trisha	P	P	P	P	P	P	P	P	P	P
19	IGV17CS065	Sindhu S	P	P	P	P	P	P	P	P	P	P
20	IGV17CS055	Rebecca Ann Dingle	P	P	P	P	P	P	P	P	P	P
21	IGV17CS054	Ravi Kumar	P	P	P	P	P	P	P	P	P	P
22	IGV17CS053	RasmithaGiri	P	A	P	P	P	P	P	P	P	P
23	IGV17CS048	Poovarasi	P	P	P	P	P	A	P	P	P	P
24	IGV17CS042	Naveen Sai Kumar	P	P	P	P	P	P	P	P	P	P
25	IGV17CS042	Manoj Kumar K N	P	P	P	P	P	P	P	P	P	P

5/11/2018
Course-coordinator


PRINCIPAL
Dr. T. Thimmaiah Institute of Technology
Oorgaum, K. G. F- 563120

CISCO Networking Academy
Department of Placement and Training
Dr.T Thimmaiah Institute of Technology



List of Students enrolled for Cisco Networking

Date:17/9/2018

BATCH 1		MONDAY & WEDNESDAY		TIME:1.40PM-4.30PM	
SL NO	USN NO	NAME	BRANCH	SEMESTER	
1	IGV17EC018	MOHAMMED SHOAI B	ECE	3 SEM	
2	IGV17EC019	MOHAN BABU	ECE	3 SEM	
3	IGV16CS075	SUMA H	CSE	5 SEM	
4	IGV15CS003	AISHWARIYA K	CSE	5 SEM	
5	IGV15CS041	MAJREEHA SULTANA I	CSE	5 SEM	
6	IGV14CS004	ANU PRIYA S	CSE	5 SEM	
7	IGV16CS051	PRASHANTHI K	CSE	5 SEM	
8	IGV14CS033	NIROSHINI K	CSE	5 SEM	
9	IGV16CS409	S SHYLA SGREE	CSE	5 SEM	
10	IGV16CS069	SINDHU M	CSE	5 SEM	
11	IGV16CS067	SHREE RANJANI J	CSE	5 SEM	
12	IGV16CS066	SHREE LAKSHMI J R	CSE	5 SEM	
13	IGV17CV012	DOLLAR SINGH	ECE	5 SEM	
14	IGV14CS068	ZAKIR HUSSAIN	CSE	5 SEM	
15	IGV17EC053	VINUTHA	ECE	3 SEM	
16	IGV17EC016	MAMATHA N	ECE	3 SEM	
17	IGV17EC027	PRIYANKA D	ECE	3 SEM	
18	IGV17EC022	PAWAN	ECE	3 SEM	
19	IGV15CS038	SWATHI KAMALINI M	CSE	5 SEM	
20	IGV17EC044	TABBASSUM F	ECE	3 SEM	
21	IGV17EC045	TEJAS M	ECE	3 SEM	
22	IGV17EC051	VENKATESH A	ECE	3 SEM	
23	IGV17EC054	WAJIHA SULTANA	ECE	3 SEM	
24	IGV17EC048	UMERA PARVEEN	ECE	3 SEM	
25	IGV17EC021	NIKHILA PATIL	ECE	3 SEM	
26COB.....	CHANDRAKALA	ECE	3 SEM	
27	IGV15EE019	THRIVENI H N	EEE	5 SEM	
28	IGV16EE014	SHALINI R	EEE	5 SEM	
29	IGV16EE003	DHANYASHREE G	EEE	5 SEM	
30	IGV16EE013	R SANGEETHA	EEE	5 SEM	
31	IGV16EE010	MINU SHRUTHI M	EEE	5 SEM	
32	IGV16EE004	DIVYA M	EEE	5 SEM	
33	IGV15EE015	R REVATHI	EEE	5 SEM	
34	IGVISCS090	SNEHA V	CSE	5 SEM	

CORDINATOR

(NAGARAJ S)

INSTRUCTOR

(NAGARAJ S)

HOD/PRINCIPAL

[Signature]
PRINCIPAL
Dr. T. Thimmaiah Institute of Technology
Oorgaam, K. G. F- 563120

4/10/2018

CISCO Networking Academy
Department of Placement and Training
Dr.T Thirumalaiah Institute of Technology

DATE:17/9/2018

List of Students enrolled for Cisco Networking

BATCH 3

TUESDAY & FRIDAY

TIME:1.40PM-4.30PM

SL NO	LSN NO	NAME	BRANCH	SEMESTER
1	IGV17EC002	BETTINA S CHARLES	ECE	3 SEM
2	IGV16EC070	YESHWITHA J	ECE	5 SEM
3	IGV16EC064	SUSHMITHA GANIG M	ECE	5 SEM
4	IGV16EC060	SOWMIYA C	ECE	5 SEM
5	IGV16EC062	SUMAIYA FATHIMA	ECE	5 SEM
6	IGV15EC014	KEERTHI G	ECE	5 SEM
7	IGV17EC001	ABIRAMI	ECE	3 SEM
8	IGV15EC040	PRIYANKA C P	ECE	5 SEM
9	IGV17EC032	RAHUL BALU KANBARKA	ECE	3 SEM
10	IGV17EC005	CHAITHRA M	ECE	3 SEM
11	IGV17EC006	CHAITHRA R	ECE	3 SEM
12	IGV17EC036	SAJJAD AHMED	ECE	3 SEM
13	IGV17EC035	LAVANYA S	ECE	3 SEM
14	IGV17EC029	PRIYANKA S	ECE	3 SEM
15	IGV17EC009	DIVIYA K	ECE	3 SEM
16	IGV16EC057	SINDHU J K	ECE	3 SEM
17	IGV17EC013	KANIMOZHI	EEE	5 SEM
18	IGV15EE019	THRIVENI H N	EEE	5 SEM
19	IGV16EE014	SHALINI R	EEE	5 SEM
20	IGV16EE003	DHANYASHREE G	EEE	5 SEM
21	IGV17EC403	SINIJA S	ECE	5 SEM
22	IGV16EE013	R SANGEETHA	EEE	5 SEM
23	IGV16EE010	MINU SHRUTHI M	EEE	5 SEM
24	IGV16EE004	DIVYA M	EEE	5 SEM
25	IGV15EE015	R REVATHI	EEE	5 SEM
26	IGV...	DEEKSHITHA N	ECE	3 SEM
27	IGV17EC401	DHARSHINI R	ECE	5 SEM
28	IGV17EC042	K N SPANDANA	ECE	3 SEM
29	IGV17EC039	SINDHU G	ECE	3 SEM
30	IGV17EC041	SNEHA M	ECE	3 SEM

COORDINATOR
(Mr.NAGARAJ S)

INSTRUCTOR
(Mr.NAGARAJ S)

HOD/PRINCIPAL

PRINCIPAL
Dr. T. Thirumalaiah Institute of Technology
Oorgaon, K. G. F- 563120

8.7/10/2018

CCNA Routing and Switching: Introduction to Networks

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

- Explain network technologies.
- Explain how devices access local and remote network resources.
- Describe router hardware.
- Explain how switching operates in a small to medium-sized business network.
- Design an IP addressing scheme to provide network connectivity for a small to medium- sized business network.
- Configure initial settings on a network device.
- Implement basic network connectivity between devices.
- Configure monitoring tools available for small to medium-sized business networks.

Ayesha M

Student

Dr.T.Thimmaiah Institute of technology

Academy Name

India


Location

Nagaraj S

Instructor

Feb 14, 2019

Date


Instructor Signature


PRINCIPAL
Dr. T. Thimmaiah Institute of Technology
Ongaluru, R. O. F- 563 120



Corporate
Social
Responsibility

Cisco Networking Academy

Certificate of Course Completion

CCNA Routing and Switching: Introduction to Networks

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Dharani J J

Student

Dr.T.Thimmaiah Institute of technology

Academy Name

India


Location

Nagaraj S


Instructor

Feb 14, 2019

Date



Instructor Signature



PRINCIPAL
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Oorgaam, K. G. F- 563120