II YEAR SEM-3 B.Tech CSE	CORE	L	T	P	C
CODE:CS2901	NETWORKING TECHNOLOGIES	1	1	0	2

Aim:Prepare the students to aquire basic knowledge

tests a candidate's knowledge and skills required installing, operating, and Troubleshooting a small to medium size enterprise branch network.

Syllabus:

Unit 1:

 Connecting to a WAN; implementing network security; network types; network media; routing and switching fundamentals

Unit II:

The TCP/IP and OSI models; IP addressing; WAN technologies; operating and configuring IOS devices; extending switched networks with VLANs

Unit III:

Determining IP routes; managing IP traffic with access lists; establishing point to point connections.

Introduction to Networking Tools like NS2 Tool and Packet Tracer

TextBooks:

1. Network Fundamentals, CCNA Exploration Companion Guide, Mark Dye

2.CCNA Routing and Switching Complete Study Guide by Todd Lammle