

## Lecture Plan

**Name of Subject: Computer Network**

**Class: B.Tech (ECE)**

**Semester: 8<sup>th</sup> Semester**

Unit/Section No.	Name of Topic	Number of Lectures Required
1	Uses of Computer Networks, Network Hardware and Software.	3
	OSI	3
	TCP/IP model	1
2	The Theoretical basis for Data communication, Transmission media	1
	Wireless Communication	1
	Communication Satellites	1
	Network topology	1
	switching techniques.	1
3	Data Link Layer Design issues, Error Detection & correction	4
	Elementary Data Link layer protocols	2
	Sliding Window Protocols	1
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4	routing algorithms	2
	congestion control	2
	internetworking	1
5	TRANSPORT LAYER	2
	SESSION LAYER	2
6	PRESENTATION LAYER: Design issues	1
	data compression technique	2
	cryptograph	3
	APPLICATION LAYER: Design issues	1
	file transfer, access and management	2
electronic mail, virtual terminals	2	
	applications and examples	1