

ADITYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT (AITAM)
TEKKALI, College Code (A5)

DEPARTMENT OF Electronics and Communication Engineering

Name of the faculty member O.V.L. Jasty CLASS: M.Tech

BRANCH: DECS (ECE)

Subject WCN

YEAR: I

SEM: II

TEACHERS DIARY

Date of Lecture	Contact Hour No.	Unit	Topic	Remarks
		<u>I</u>	<u>Introduction to wireless networking</u>	
<u>22-2-16</u>	<u>2</u>		<u>Distance wireless PSTN</u>	
<u>23-2-16</u>	<u>5</u>		<u>Development of wireless n/w</u>	
<u>24-2-16</u>	<u>2</u>		<u>Traffic Routing in wire less n/w</u>	
<u>01-03-16</u>	<u>1</u>		<u>CDPD, ARPANET</u>	
<u>01-03-16</u>	<u>5</u>		<u>AND, Common channel signaling</u>	
<u>3-3-16</u>	<u>5</u>		<u>ISDN, BSSOs</u>	
<u>4-3-16</u>	<u>6</u>		<u>ATM, SS7</u>	
<u>7-3-16</u>	<u>2</u>		<u>SS7 user part</u>	
<u>8-3-16</u>	<u>5</u>		<u>Signalling traffic on SS7</u>	
<u>10-3-16</u>	<u>5</u>		<u>problems</u>	
		<u>II</u>	<u>Multiple Access Techniques & MAC channels</u>	
<u>11-3-16</u>	<u>6</u>		<u>Introduction TDMA</u>	
<u>14-3-16</u>	<u>2</u>		<u>FDMA, CDMA</u>	
<u>15-3-16</u>	<u>1</u>		<u>CDMA, packet radio</u>	
<u>15-3-16</u>	<u>5</u>		<u>PR protocols</u>	
<u>17-3-16</u>	<u>5</u>		<u>SSMA protocols; reservation protocols</u>	
<u>18-3-16</u>	<u>6</u>		<u>MAC channels</u>	
<u>21-3-16</u>	<u>2</u>		<u>MAC channel capacity</u>	
<u>22-3-16</u>	<u>5</u>		<u>coding & SSF</u>	
<u>25-3-16</u>	<u>2</u>		<u>problems</u>	
<u>29-3-16</u>	<u>5</u>		<u>problems</u>	
<u>29-3-16</u>		<u>III</u>	<u>Fundamental Concepts of Spread Spectrum Systems</u>	
<u>31-3-16</u>	<u>5</u>		<u>pseudo noise sequence</u>	
<u>4-4-16</u>	<u>2</u>		<u>Analysis of DSSS Systems</u>	
<u>5-4-16</u>	<u>5</u>		<u>The processing gain & Anti-jamming Gain</u>	
<u>7-4-16</u>	<u>5</u>		<u>FH Spread Spectrum Systems</u>	
<u>11-4-16</u>	<u>2</u>		<u>Time Hopped</u>	
<u>12-4-16</u>	<u>5</u>		<u>Synchronization</u>	

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Date of Lecture	Contact Hour No.	Unit	Topic	Remarks
18-4-16	2			
19-4-16	MID-I			
21-4-16				
22-4-16				
		IV	mobile IP and wireless address protocol	
2-5-16	2		operation of mobile IP	
3-5-16	1		co-located address	
3-5-16	5		registration	
5-5-16	5		Tunneling	
6-5-16	2		WAP Architecture	
6-5-16	6		WAP service	
9-5-16	2		WAP session protocol	
9-5-16	3		wireless data transfer protocol	
		V	WLAN Technology	
10-5-16	1		LAN overview	
10-5-16	5		Infrared LAN	
12-5-16	3		Types of Infrared LAN	
12-5-16	5		Spread spectrum LAN	
13-5-16	6		Types of " "	
13-6-16	7		narrow band microwave LAN	
14-6-16	5		Types	
16-6-16	5		problem	
17-6-16	6		problem	
20-6-16	2		problem	
21-6-16	5	VI	Bluetooth and mobile data networks	
23-6-16	5		overview	
24-6-16	6		Radio specification	
27-6-16	2		narrow band specification	
28-6-16	5		Link manager specification	
30-6-16	5		logical link protocol	
01-07-16	6		Adaptation protocol	
04-07-16	2		mobile data networks	

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Date of Lecture	Contact Hour No.	Unit	Topic	Remarks
05-7-16	5		Wireless LAN	goin
07-7-16	5		HYPER LAN	
11-7-16	02		Adhoc networking	
12-7-16	5		WPAN	
14-7-16	5		Revision of topics	