LESSON PLAN

Name of the Institute:	C. V. Raman Polytechnic
Department:	Computer Science & Engineering
Semester/Division/Branch:	5th sem/CSE
Subject Name with code:	Mobile Computing(Th-5)
Total No. of Class (Required):	60
Faculty Name:	Ipsita Ankita Hota

Class No.	*Brief description of the Topic/Chapter to be taught*	Remarks
1	Introduction to Wireless networks & Mobile	
2	Networks	
3	Wireless Networks	
4	Mobile Computing	
5	Mobile Computing Characteristics	
6	Application of Mobile Computing	
7	Introduction to Mobile Development Framework	
8	C/S architecture	
9	n-tier architecture	
10	n-tier architecture and www	
11	Peer-to Peer architecture	
12	Mobile agent architecture	
13	Wireless Transmission	
14	Introduction,Signals	
15	Period, Frequency and Bandwidth	
16	Antennas,Signal Propagation	
17	Multiplexing,Modulation	
18	Spread Spectrum,Cellular System	
19	Medium Access Control	

20	Introduction acees control	
21	Hidden/ Exposed Terminals	
22	The basic Access Method	
23	Near / Far Terminals	
24	SDMA, FDMA,TDMA, CDMA	
25	Wireless LANs	
26	Wireless LAN and communication	
27	Infrared,Radio Frequency	
28	IR Advantages and Disadvantages,RF Advantagesand Disadvantages	
29	Wireless Network Architecture Logical,Types ofWLAN,IEEE 802.11,MAC layer	
30	Security,Synchronization,Power Management,Roaming,Bluetooth Overview	
31	Ubiquitous Wireless Communication	
32	Introduction to wireless communication	
33	Scenario of Mobile Communication	
34	Mobile Communication Generations 1G to 3G	
35	3rd Generation Mobile Communication Network	
36	Universal Mobile telecommunication System (UMTS)	
37	Mobile IP,Working with mobile IP	
38	Mobile IP Entities,Mobility Agents	
39	Components of Mobile IP,Mobile IPv6 Features	
40	Mobile IPv6 Address Types	
41	Mobile IPv6 Address Scope	
42	Mobile IP Operation	
43	Mobile Computing,WWW architecture for Mobile	
44	Need of WAP,Benefits of WAP,Examples of WAP	
45	WAP- Architecture	
46	WAP protocols,WML,WAP Push architecture	

47	Push-Pull based data acquisition	
48	I-mode,WAP 2.x	
49	Wireless Telecomm Networks	
50	GSM	
51	GPRS	
52	IS-95	
53	CDMA-2000	
54	W-CDMA,Wireless Sensor Networks	
55	Short Message Services (SMS)	
56	Short Message Services (SMS)	
57	Multimedia Message Services (MMS)	
58	Multimedia Message Services (MMS)	
59	Multimedia transmission over wireless	
60	Multimedia transmission over wireless	

Ipsita Ankitatlota

Signature of the Faculty

Signature of the H.O.D