

LESSONPLAN

SUBJECT: MOBILE COMPUTING
FACULTY NAME: NISHITAKINDO

SEM: 5th
BRANCH: CSE & IT

SESSION TIME: 01/09/2020 TO 19/03/2021

WEEK NO.	DATE	TOPICS TO BE COVERED	PERIODS TAKEN	TOPICS COVERED	LAGGING	MAKEUP	REMARKS
W-1	01/09/2020 TO 05/09/2020	1. Introduction to Wireless networks & Mobile Computing	1	ALL	NIL	-	-
		1.1 Networks					
		1.2 Wireless Networks	1	ALL	NIL	-	-
		1.3 Mobile Computing	1	ALL	NIL	-	-
		1.4 Mobile Computing Characteristics	1	ALL	NIL	-	-
W-2	07/09/2020 TO 12/09/2020	1.5 Application of Mobile Computing	1	ALL	NIL	-	-
		2. Introduction to Mobile Development Framework	1	ALL	NIL	-	-
		2.1 C/S architecture					
		2.2 n-tier architecture	1	ALL	NIL	-	-
		2.3 n-tier architecture and WWW	1	ALL	NIL	-	-
		2.4 Peer-to-Peer architecture	1	ALL	NIL	-	-
W-3	14/09/2020 TO 19/09/2020	2.5 Mobile Agent architecture	1	ALL	NIL	-	-
		3. Wireless Transmission	1	ALL	NIL	-	-
		3.1 Introduction 3.2 Signals					
		3.3 Period, Frequency and Bandwidth 3.4 Antennas	1	ALL	NIL	-	-
		3.5 Signal Propagation	1	ALL	NIL	-	-
W-4	14/09/2020 TO 19/09/2020	3.6 Multiplexing	1	ALL	NIL	-	-
		3.7 Modulation	1	ALL	NIL	-	-
		3.8 Spread Spectrum	1	ALL	NIL	-	-
		3.9 Cellular System	1	ALL	NIL	-	-
W-5	21/09/2020 TO 26/09/2020	4. Medium Access Control					
		4.1 Introduction	1	ALL	NIL	-	-
		4.2 Hidden/ Exposed Terminals	1	ALL	NIL	-	-
		4.3 The basic Access Method	1	ALL	NIL	-	-
		4.4 Near / Far Terminals	1	ALL	NIL	-	-
W-6	28/09/2020 TO 03/10/2020	4.5 SDMA, FDMA	1	ALL	NIL	-	-
		4.5 TDMA, CDMA	1	ALL	NIL	-	-
		ASSIGNMENT	1	ALL	NIL	-	-
		5. Wireless LANs					
		5.1 Wireless LAN and communication	1	ALL	NIL	-	-
W-7	05/10/2020 TO 10/10/2020	5.2 Infrared	1	ALL	NIL	-	-
		5.3 Radio Frequency					
		5.4 IR Advantages and Disadvantages 5.5 RF Advantages and Disadvantages	1	ALL	NIL	-	-

		5.6 Wireless Network Architecture Logical	1	ALL	NIL	-	-	
		5.7 Types of WLAN	1	ALL	NIL	-	-	
W-8	12/10/2020 TO 17/10/2020	5.8 IEEE 802.11	1	ALL	NIL	-	-	
		5.9 MAC layer	1	ALL	NIL	-	-	
		5.10 Security						
		5.11 Synchronization	1	ALL	NIL	-	-	
		5.12 Power Management	1	ALL	NIL	-	-	
W-9	19/09/2020 TO 24/10/2020	5.13 Roaming	1	ALL	NIL	-	-	
		PUJA HOLIDAYS						

W-10	26/10/2020 TO 31/10/2020	5.14 Bluetooth Overview	1	ALL	NIL	-	-	
		CLASS TEST	1	ALL	NIL	-	-	
		6. Ubiquitous Wireless Communication			ALL	NIL	-	-
		6.1 Introduction	1					
		6.2 Scenario of Mobile Communication	1	ALL	NIL	-	-	
W-11	02/11/2020 TO 07/11/2020	6.3 Mobile Communication Generations 1G to 3G	1	ALL	NIL	-	-	
		6.4 3rd Generation Mobile Communication Network	1	ALL	NIL	-	-	
		6.5 Universal Mobile telecommunication System (UMTS)	1	ALL	NIL	-	-	
		7. Mobile IP						
		7.1 Overview			ALL	NIL	-	-
W-12	09/11/2020 TO 14/11/2020	7.2 Working with mobile IP	1					
		7.3 Mobile IP Entities	1	ALL	NIL	-	-	
		7.4 Mobility Agents			ALL	NIL	-	-
		7.5 Components of Mobile IP	1	ALL	NIL	-	-	
		REVISION CUM ASSIGNMENT	1	ALL	NIL	-	-	
		7.6 Mobile IPv6 Features			ALL	NIL	-	-
		7.7 Mobile IPv6 Address Types	1	ALL	NIL	-	-	

W-13	16/11/2020 TO 21/11/2020	7.8 Mobile IPv6 Address Scope			ALL	NIL	-	-	
		7.9 Mobile IP Operation	1						
		MCQ TYPE TEST 2	1	ALL	NIL	-	-		
		8. Mobile Computing				NIL	-	-	
		8.1 WWW architecture for Mobile computing	1		ALL	NIL	-	-	
W-14	23/11/2020 TO 28/11/2020	8.2 Need of WAP				ALL	NIL	-	-
		8.3 Benefits of WAP	1						
		8.4 Examples of WAP	1	ALL	NIL	-	-		
		8.5 WAP- Architecture	1	ALL	NIL	-	-		
		8.6 WAP protocols	1	ALL	NIL	-	-		
W-15	30/11/2020 TO 05/12/2020	8.7 WML	1	ALL	NIL	-	-		
		8.8 WAP Push architecture	1	ALL	NIL	-	-		
		8.9 Push-Pull based data acquisition	1	NO	Yes	Next Class	CCNA Online Training		
		8.10 I-mode	1	NO	Yes	Next Class	-do-		
		8.11 WAP 2.x	1	NO	Yes	Next Class	-do-		
W-16	07/12/2020 TO	9. Wireless Telecomm Networks 9.1 GSM	1	NO	Yes	Next Class	-do-		
		9.2 GPRS	1	NO	Yes	Next Class	-do-		

	12/12/2020	9.3 IS-95	1	NO	Yes	Next Class	-do-
		9.4 CDMA-2000	1	NO	Yes	Next Class	-do-
W-17	14/12/2020 TO 19/12/2020	9.5 W-CDMA	1	9.1	Yes	Next Class	-do-
		9.6 Wireless Sensor Networks	1	9.2	Yes	Next Class	-do-
		REVISION CUM ASSIGNMENT	1	9.3	Yes	Next Class	-do-
		MCQ Type Test	1	9.4	Yes	Next Class	-do-
W-18	21/12/2020 TO 26/12/2020	10. Messaging Services					
		10.1 Short Message Services (SMS)	1	9.5	Yes	Next Class	-
		10.2 Multimedia Message Services (MMS)	1	9.6	Yes	Next Class	-
		10.3 Multimedia transmission over wireless	1	ALL	Yes	Next Class	-
		REVISION CUM ASSIGNMENT	1	10.1	Yes	Next Class	-
W-19	28/12/2020 TO 02/01/2020	Revision Class	1	10.2	Yes	Next Class	-
		Revision Class	1	10.3	NIL	-	-
		CLASS TEST	1	ALL	NIL	-	-
W-20	04/01/2021 TO 09/01/2021	Revision Class	4	ALL	NIL	-	-
W-21	11/01/2021 TO 16/01/2021	Revision Class	4	ALL	NIL	-	-
W-22	18/01/2021 TO 23/01/2021	Revision Class	4	ALL	NIL	-	-
W-23	25/01/2021 TO 30/01/2021	Revision Class	4	ALL	NIL	-	-
W-24	01/02/2021 TO 06/02/2021	INTERNAL ASSESSMENT					
W-25	08/02/2021 TO 13/02/2021	Revision Class	1	ALL	NIL	-	-
W-26	15/02/2021 TO 20/02/2021	Revision Class	1	ALL	NIL	-	-
W-27	22/02/2021 TO 27/02/2021	Revision Class	2	ALL	NIL	-	-
W-28	03/03/2021 TO 08/03/2021	Doubt clearing Classes	1	ALL	NIL	-	-
W-29	08/03/2021 TO 13/03/2021	Doubt clearing Classes	2	ALL	NIL	-	-
W-30	15/03/2021 TO 19/03/2021	Doubt clearing Classes	2	ALL	NIL	-	-