

<b>LESSON PLAN:</b>		
Discipline: <b>CSE</b>	Semester: <b>5th</b>	Name of the Teaching Faculty: <b>Mrs. Nishita Kindo</b>
Subject: <b>Mobile Computing</b>	No. Of Days/per week class allotted: <b>4 periods per week (Mon, Tues, Thus &amp; Fri-1 period each)</b>	Semester: <b>From Date:01-10-2021 To Date:08-01-21</b>
<b>WEEK</b>	<b>CLASS DAY</b>	<b>THEORY /PRACTICAL TOPICS</b>
1st	01-10-2021	<b>1. Introduction to Wireless networks &amp; Mobile Computing</b>
2nd	4-10-2021	1.1 Networks
	5-10-2021	1.2 Wireless Networks
	7-10-2021	1.3 Mobile Computing
3rd	11-10-21 to 16-01-2021	Puja Holiday
4th	21-10-2021	1.4 Mobile Computing Characteristics
	22-10-2021	1.5 Application of Mobile Computing
5th	25-10-2021	<b>2. Introduction to Mobile Development Framework</b>
	26-10-2021	2.1 C/S architecture
	28-10-2021	2.2 n-tier architecture
	29-10-2021	2.3 n-tier architecture and www
6th	01-11-2021	2.4 Peer-to Peer architecture
	02-11-2021	2.5 Mobile agent architecture
	05-11-2021	<b>3. Wireless Transmission</b>
7th	08-11-2021	3.1 Introduction
	09-11-2021	3.2 Signals
	11-11-2021	3.3 Period Frequency and bandwidth
	12-11-2021	3.4 Antennas
8th	15-11-2021	3.5 Signal Propagation
	16-11-2021	3.6 Multiplexing
	18-11-2021	3.7 Modulation
	19-11-2021	3.8 Spread Spectrum
9th	22-11-2021	3.9 Cellular System
	23-11-2021	<b>4. Medium Access Control</b>
	25-11-2021	4.1 Introduction
	26-11-2021	4.2 Hidden/ Exposed Terminals
10th	29-11-2021	4.3 The basic Access Method
	30-11-2021	4.4 Near / Far Terminals
		4.5 SDMA, FDMA
		4.5 TDMA, CDMA
		<b>5. Wireless LANs</b>
		5.1 Wireless LAN and communication
		5.2 Infrared

		5.3 Radio Frequency
	02-12-2021	5.4 IR Advantages and Disadvantages 5.5 RF Advantages and Disadvantages
	03-12-2021	5.6 Wireless Network Architecture Logical 5.7 Types of WLAN
11th	06-12-2021	5.8 IEEE 802.11
	07-12-2021	5.9 MAC layer 5.10 Security
	09-12-2021	5.11 Synchronization 5.12 Power Management
	10-12-2021	5.13 Roaming 5.14 Bluetooth Overview
12th	13-12-2021	<b>6. Ubiquitous Wireless Communication</b> 6.1 Introduction
	14-12-2021	6.2 Scenario of Mobile Communication
	16-12-2021	6.3 Mobile Communication Generations 1G to 3G 6.4 3rd Generation Mobile Communication Network
	17-12-2021	6.5 Universal Mobile telecommunication System (UMTS)
13th	20-12-2021	<b>7. Mobile IP</b> 7.1 Overview 7.2 Working with mobile IP 7.3 Mobile IP Entities 7.4 Mobility Agents
	21-12-2021	7.5 Components of Mobile IP 7.6 Mobile IPv6 Features 7.7 Mobile IPv6 Address Types
	23-12-2021	7.8 Mobile IPv6 Address Scope 7.9 Mobile IP Operation
	24-12-2021	<b>8. Mobile Computing</b> 8.1 WWW architecture for Mobile computing 8.2 Need of WAP 8.3 Benefits of WAP
14th	27-12-2021	8.4 Examples of WAP 8.5 WAP- Architecture 8.6 WAP protocols
	28-12-2021	8.7 WML 8.8 WAP Push architecture 8.9 Push-Pull based data acquisition
	30-12-2021	8.10 I-mode 8.11 WAP 2.x
	31-12-2021	<b>9. Wireless Telecomm Networks</b> 9.1 GSM
15th	03-01-2022	9.2 GPRS 9.3 IS-95
	04-01-2022	9.4 CDMA-2000 9.5 W-CDMA

		9.6 Wireless Sensor Networks
	06-01-2022	<b>10. Messaging Services</b> 10.1 Short Message Services (SMS)
	07-01-2022	10.2 Multimedia Message Services (MMS) 10.3 Multimedia transmission over wireless