

Discipline: IT	Semester: 5th	Name of the Teaching Faculty: Mrs. D Susmita
Subject: Mobile Computing	No. Of Days/per week class allotted: 4 periods per week (Mon, Tues, Wed & Sat-1 period each)	Semester: From Date:01-07-2024 To Date:08-11-2024
WEEK	CLASS DAY	THEORY /PRACTICAL TOPICS
1 st	01-07-2024	Syllabus Discussion
	02-07-2024	1. Introduction to Wireless networks & Mobile Computing
	03-07-2024	1.1 Networks
	06-07-2024	1.2 Wireless Networks
2 nd	08-07-2024	1.3 Mobile Computing
	09-07-2024	1.4 Mobile Computing Characteristics
	10-07-2024	1.5 Application of Mobile Computing
	13-07-2024	2. Introduction to Mobile Development Framework 2.1 C/S architecture
3 rd	15-07-2024	2.2 n-tier architecture
	16-07-2024	2.3 n-tier architecture and www
	20-07-2024	2.4 Peer-to Peer architecture Revision Cum Assignment
4 th	22-07-2024	2.5 Mobile agent architecture
	23-07-2024	3. Wireless Transmission 3.1 Introduction
	24-07-2024	3.2 Signals
	27-07-2024	3.3 Period Frequency and bandwidth
5 th	29-07-2024	3.4 Antennas
	30-07-2024	3.5 Signal Propagation
	31-07-2024	3.6 Multiplexing
	03-08-2024	Class Test 1
6 th	05-08-2024	3.7 Modulation
	06-08-2024	3.8 Spread Spectrum
	07-08-2024	3.9 Cellular System
	10-08-2024	4. Medium Access Control 4.1 Introduction Revision Cum Assignment
7 th	12-08-2024	4.2 Hidden/ Exposed Terminals
	13-08-2024	4.3 The basic Access Method
	14-08-2024	4.4 Near / Far Terminals
	17-08-2024	4.5 SDMA, FDMA
8 th	20-08-2024	4.5 TDMA, CDMA
	21-08-2024	5. Wireless LANs 5.1 Wireless LAN and communication
	24-08-2024	5.2 Infrared

9 th	27-08-2024	5.3 Radio Frequency
	28-08-2024	5.4 IR Advantages and Disadvantages 5.5 RF Advantages and Disadvantages
	31-08-2024	5.6 Wireless Network Architecture Logical 5.7 Types of WLAN
10 th	02-09-2024	5.8 IEEE 802.11
	03-09-2024	5.9 MAC layer
	04-09-2024	5.10 Security Class Test 2
11 th	09-09-2024	5.11 Synchronization
	10-09-2024	5.12 Power Management
	11-09-2024	5.13 Roaming 5.14 Bluetooth Overview
	14-09-2024	Internal Assessment
12 th	17-09-2024	6. Ubiquitous Wireless Communication 6.1 Introduction 6.2 Scenario of Mobile Communication
	18-09-2024	6.3 Mobile Communication Generations 1G to 3G 6.4 3rd Generation Mobile Communication Network
	21-09-2024	6.5 Universal Mobile telecommunication System (UMTS)
13 th	23-09-2024	7. Mobile IP 7.1 Overview
	24-09-2024	7.2 Working with mobile IP
	25-09-2024	7.3 Mobile IP Entities
	28-09-2024	7.4 Mobility Agents 7.5 Components of Mobile IP
14 th	31-09-2024	7.6 Mobile IPv6 Features
	01-10-2024	7.7 Mobile IPv6 Address Types
	05-10-2024	7.8 Mobile IPv6 Address Scope 7.9 Mobile IP Operation Class Test 3
15 th	07-10-2024 to 12-10-2024	PUJA HOLIDAYS
16 th	14-10-2024	8. Mobile Computing 8.1 WWW architecture for Mobile computing 8.2 Need of WAP 8.3 Benefits of WAP
	15-10-2024	8.4 Examples of WAP 8.5 WAP- Architecture
	19-10-2024	8.6 WAP protocols
17 th	21-10-2024	8.7 WML 8.8 WAP Push architecture
	22-10-2024	8.9 Push-Pull based data acquisition 8.10 I-mode
	23-10-2024	8.11 WAP 2.x Revision Cum Assignment

	26-10-2024	9. Wireless Telecomm Networks 9.1 GSM
18 th	28-10-2024	9.2 GPRS 9.3 IS-95
	29-10-2024	9.4 CDMA-2000
	30-10-2024	9.5 W-CDMA 9.6 Wireless Sensor Networks
	02-11-2024	10. Messaging Services 10.1 Short Message Services (SMS)
19 th	04-11-2024	10.2 Multimedia Message Services (MMS)
	05-11-2024	10.3 Multimedia transmission over wireless Revision Cum Assignment
	06-11-2024	Previous Year QP Discussion/Doubt Clearing Class