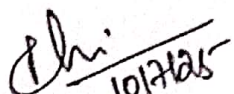


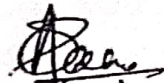


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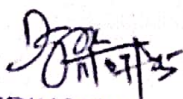
Discipline: Computer science Engineering	Semester: - 5 th sem	Name of the teaching faculty: - PRAJNAPARAMITA KABI
Subject: - Mobile Computing	No. of Days/week class Allotted: -4	No. of weeks: -15 SESSION-2025-2026 WINTER Starting date- 14/11/25 Closing date- 15/11/25
No. of week	No. of class	Topic to be Taught
1	1 ST	Introduction to wireless network and mobile computing
	2 ND	Network
	3 RD	Wireless Networks
	4 TH	Mobile Computing
2	1 ST	Mobile Computing Characteristics
	2 ND	Application of Mobile Computing
	3 RD	Introduction to mobile development frame work
	4 TH	Mobile architecture
3	1 ST	Mobile n-tier architecture
	2 ND	Mobile n-tier architecture and www
	3 RD	Peer-to Peer architecture
	4 TH	Mobile agent architecture
4	1 ST	Introduction to wireless transmission
	2 ND	Signals transmission Period, Frequency and Bandwidth.
	3 RD	Antennas Signal Propagation
	4 TH	Multiplexing Modulation
5	1 ST	Spread Spectrum
	2 ND	Cellular System
	3 RD	Introduction to medium access control
	4 TH	2 Hidden/ Exposed Terminals
6	1 ST	The basic Access Method
	2 ND	Near / Far Terminals
	3 RD	SDMA, FDMA
	4 TH	TDMA CDMA
7	1 ST	Wireless LAN and communication Infrared Radio Frequency
	2 ND	IR Advantages and Disadvantages RF Advantages and Disadvantages
	3 RD	Wireless Network Architecture Logical Types of WLAN IEEE 802.11
	4 TH	MAC layer Security, 802.11
8	1 ST	Synchronization Power Management
	2 ND	Roaming Bluetooth Overview
	3 RD	Introduction to Ubiquitous wireless communication
	4 TH	Scenario of Mobile Communication
9	1 ST	Mobile Communication Generations 1G to 3G
	2 ND	Mobile Communication Generations 1G to 3G
	3 RD	3rd Generation Mobile Communication Network
	4 TH	Universal Mobile telecommunication System (UMTS)

10	1 ST	Mobile IP Overview and Working with mobile IP
	2 ND	Mobile IP Entities
	3 RD	Mobility Agents Components of Mobile IP
	4 TH	Mobile IPv6 Features
11	1 ST	Mobile IPv6 Address Types and scope
	2 ND	Mobile IP Operation
	3 RD	WWW architecture for Mobile computing Need of WAP
	4 TH	Benefits of WAP Examples of WAP
12	1 ST	WAP- Architecture WAP protocols
	2 ND	WML and WAP Push architecture
	3 RD	Push-Pull based data acquisition and I-mode
	4 TH	WAP 2.x
13	1 ST	Wireless telecom networks GSM
	2 ND	GPRS
	3 RD	IS-95
	4 TH	CDMA-2000
14	1 ST	W-CDMA
	2 ND	Wireless Sensor Networks
	3 RD	Messaging service
	4 TH	Short Message Services (SMS)
15	1 ST	Short Message Services (SMS)
	2 ND	Multimedia Message Services (MMS)
	3 RD	Multimedia Message Services (MMS)
	4 TH	Multimedia transmission over wireless


Signature of the faculty


14/04/25
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