

Academic Lesson Plan of Winter 2022

Department : CSE	Semester : 5TH	Name of the Teaching Faculty : LOPAMUDRA SINGH
Subject : MOBILE COMPUTING	No. of Days/per week class allotted : 4Period/week	Semester from : 15TH SEPTEMBER 2022
		No of Weeks : 15 Weeks
		Topic to be covered :
WEEK	DAYS	TOPIC
1st Week	1st	Introduction to Wireless Networks and Mobile Computing , Networks
	2nd	Wireless network, Mobile Computing
	3rd	Mobile Computing Characteristics
	4th	Application of Mobile Computing
2nd Week	1st	Introduction to Mobile Development Framework
	2nd	C/S Architecture
	3rd	N-tire Architecture and WWW
	4th	Peer to Peer Architecture
3rd Week	1st	Mobile Agent Architecture
	2nd	Introduction to Wireless Transmission
	3rd	Signal, Period, Frequency & Bandwidth
	4th	Antennas Signal Propagation
4th Week	1st	Multiplexing and Modulation
	2nd	Spread Spectrum, Cellular System
	3rd	Medium Access Control
	4th	Introduction, Hidden/Expose Terminal
5th Week	1st	The Basic Access Method
	2nd	Near/ far Terminal
	3rd	SDMA, FDMA, TDMA, CDMA
	4th	Wireless LANS & Communication
6th Week	1st	Infrared Radio Frequency
	2nd	IR Advantages and Disadvantages
	3rd	RF Advantages and Disadvantages
	4th	Wireless Network Architecture Logical
7th Week	1st	Types of WLAN
	2nd	IEEE 802.11
	3rd	MAC Layers
	4th	Security
	1st	Synchronization

8th Week	2nd	Power Management
	3rd	Roaming
	4th	Bluetooth Overview
9th Week	1st	Introduction Obiquitous Wireless Communication
	2nd	Scenario of Mobile Communication
	3rd	Mobile Communication Generation 1G & 3G
	4th	3rd Generation Mobile Communication Network
10th Week	1st	Universal Mobile Telecommunication System (UMTS)
	2nd	Mobile IP Overview, Working with Mobile IP
	3rd	Mobile IP Entities , Mobile IP Agents
	4th	Components of Mobile IP
11th Week	1st	Mobile IPV6 Features
	2nd	Mobile IPV6 Address types and Address Scope
	3rd	Mobile IP Operation
	4th	WWW Architecture for Mobile Computing
12th Week	1st	Need of WAP, Benefits of Wap, Example of WAP
	2nd	WAP Architecture, WAP Protocols
	3rd	WML
	4th	WAP Push Architecture
13th Week	1st	Push-Pull Based Data Acquisition
	2nd	I-mode
	3rd	WAP 2.X
	4th	Wireless Telecom Networks
14th Week	1st	GSM, GPRS
	2nd	IS-95
	3rd	CDMA-2000, W-CDMA
	4th	Wireless Sensor Networks
15th Week	1st	Messaging Services, Short Message Services (SMS)
	2nd	Multimedisa Message Services (MMS)
	3rd	Multimedisa Transmission over Wireless
	4th	Revision of all topics with Semester Questions and Doubt Clearing

D. Singh
Signature of the faculty

[Signature]
15/09/2022
Signature of the Principal