ARYAN SCHOOL OF ENGINEERING & TECHNOLOGY

Dicipline: CSE	Semester: 5th	Name of the Teaching Faculty: PN Suchismita	
Subject: MC	No of Days/Week Class Allotted: 4	Semester From date: 15.9.22 To date 21.1.23	No.of Weeks: 15

WEEK	Class Day	Theory Topics
1	1st	Network, features of Networks, Network Devices, Network types.
	2nd	wireless Network, features of a wireless Network
	3rd	Mobile Computing
	4th	characteristics of Mobile Computing
	5th	
2	1st	Applications of mobile computing
	2nd	Limitations of mobile computing
	3rd	Mobile Development Framework Introduction, C/S architecture.
	4th	N-tive architecture.
	5th	
3	1st	N-tive architecture and WWW
	2nd	Peer-to peer architecture.
	3rd	Mobile agent architecture.
	4th	Advantages and disadvantages of Mobile agent architecture.
	5th	

WEEK	Class Day	Theory Topics
4	1st	Wireless Transmission Introduction, Signals
	2nd	Period, Freaquency, Bandwidth
	3rd	Antennas, Signal Propagation
	4th	Multiplexing
	5th	
5	1st	Modulation, Spread, Spectrum.
	2nd	Cellular System.
	3rd	Introduction of Medium Access Control
	4th	Hidden / Exposed Terminals.
	5th	
6	1st	Basic Access Method
	2nd	Near / Far Terminals
	3rd	SDMA, FDMA
	4th	TDMA, CDMA
	5th	

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Subject:		No of Days/Week Class Allotted:_____	Semester From date:_____ To date_____	No of Weeks:

WEEK	Class Day	Theory Topics
7	1st	Introduction of wireless, and Communication
	2nd	Infrared, Radio Freavency.
	3rd	IR Advantages and Disadvantages. RF Advantages and Disadvantages.
	4th	wireless Network Architecture logical types of WLAN
	5th	
8	1st	IEEE 802.11, Mac layer, Security Synchronization
	2nd	Power management, Roaming Bluetooth overview
	3rd	ubiquitous wireless Communication Introduction
	4th	Scenario of Mobile Communication
	5th	
9	1st	Mobile Communication Generation 1G to 3G
	2nd	3rd Generation Mobile Communication Network
	3rd	Advantages and Disadvantages of 3rd Generation Mobile Communication Network
	4th	universal Mobile telecommunication System
	5th	

WEEK	Class Day	Theory Topics
10	1st	GSM, GPRS
	2nd	IS-95
	3rd	CDMA-2000
	4th	W-CDMA
	5th	
11	1st	Wireless Sensors Networks Applications, Challenges of WSN
	2nd	Components of WSN.
	3rd	Short message Service, Initial Concept of SMS
	4th	Multimedia Message Service, History of Multimedia Message Service
	5th	
12	1st	Technical Description of Multimedia Service.
	2nd	Multimedia transmission over wireless Networks fundamentals.
	3rd	characteristics of wireless Networks, wireless Networking Technology.
	4th	Multipath loading, Exam
	5th	

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Subject:		No of Days/Week Class Allotted:____	Semester From date:_____ To date_____	No.of Weeks:

WEEK	Class Day	Theory Topics
13	1st	Overview of Mobile IP, working with Mobile IP.
	2nd	Mobile IP Entities, Mobile Agents.
	3rd	Components of Mobile IP, Mobile IPV6 Features.
	4th	Mobile IPV6 Address Types.
	5th	
14	1st	Mobile IPV6 Address Scope.
	2nd	Mobile IP operation
	3rd	WWW architecture for Mobile Computing
	4th	Need of WAP, Benefits of WAP, Examples of WAP.
	5th	
15	1st	WAP - Architecture, WAP Protocols.
	2nd	WML, PUSH-PULL based data acqusition
	3rd	I - Mode
	4th	WAP 2.x, Exam
	5th	