PNS SCHOOL OF ENGINEERING & TECHNOLOGY, NISHAMANI VIHAR, MARSHAGHAI, KENDRAPARA LESSION PLAN

		LESSIO	N PLAN
BRANCH :	SEMESTER : 5TH		NAME OF THE TEACHING FACULTY :
COMPUTER SCIENCE			ER. AMARENDRA SAHOO
& ENGG.			
SUBJECT :	NO. OF DAYS PER WEEK : 6		SEMESTER FROM DATE : 15-09-2022 TO 22-12-2022
MOBILE COMPUTING	CLASS ALLOTTED : 71		NO. OF WEEKS : 14
WEEK	UNIT	DATE	THEORY/PRACTICL TOPICS
1st Week	TOPIC - 1	15.09.2022	Network & its type- LAN, WAN, MAN, PAN etc.
	Introduction to	16.09.2022	What is mobile computing ? Brief discussion on
	Wareless Networks &		communication system.
	Mobile Computing	19.09.2022	Characteristics of Mobile Computing.
		20.09.2022	Appication of Mobile Computing
		21.09.2022	What is signal and its characterestics ?
2nd Week	TOPIC - 1	22.09.2022	Application of Mobile Computing
	Introduction to	23.09.2022	Revision of Chapter-1 or Class Test
	Wareless Networks &	24.09.2022	Introduction to mobile development frame work topic- 2
	Mobile Computing		start.
	TOPIC - 2	26.09.2022	Client Server Architectures
	Introduction to Mobile	27.09.2022	N-Tier Architectures
	Development Frame	28.09.2022	The Word Wide Web.
3rd Week	TOPIC - 2	29.09.2022	N-Tier Architectures and the WWW
	Introduction to Mobile	30.09.2022	Peer to Peer Architectures.
	Development Frame	5010512022	
4th Week	TOPIC - 2	10.10.2022	Mobile Agent Architectures.
	Introduction to Mobile	11.10.2022	Introduction, Signal-Time Period, Frequency, Band Width,
	Development Frame	11.10.2022	Wave Length.
	Work		-
	TOPIC-3	12.10.2022	Antennas and its type, Transducers.
	Wireless Transmission		
5th Week	TOPIC-3	13.10.2022	Signal Propagation through different medium.
	Wireless Transmission	14.10.2022	Multiplexing and its type- SDM, FDM, TDM, CDM.
		15.10.2022	Space Divison Multiplexing - SDM
		18.10.2022	Frequency Division Multiplexing- FDM
		19.10.2022	Time Division Multiplexing - TDM
			Code Division Multiplexing- CDM
6th Week	TOPIC-3	20.10.2022	What is modulatin ? Need for Modulatin, Career Wave,
	Wireless Transmission		Basement Signal.
		21.10.2022	Types of Modulation- Analog Modulation and Digital
			Modulation.
			Type of Analog Modulation- AM, FM, PM
		22.10.2022	Digital Modulatin- ASK, FSK, PSK
			Spread Spctrum Communicatin. DSSS and FHSS
		26.10.2022	Cellular System, Cells its different types, Clusters,
			Frequency Reuse, Cell Splitting.
7th Week	TOPIC-3	27.10.2022	Hand off, Cellular Radio.
	Wireless Transmission	28.10.2022	Introduction - Hiden / Exposed Terminals Career Sence
	TOPIC-4		Multiple Access with Collision Dection (CSMA/CD)
	Medium Access		
	Control.	29.10.2022	Basic Access Method - Problem in Wareless Networks.
		31.10.2022	CSMA / CD Protocol Works.
		01.11.2022	Near / Far Terminals.
		02.11.2022	Frequency Division Multiple Access (FDMA)

8th Week	TOPIC-4	03.11.2022	Time Division Multiple Access - TDMA
	Medium Access	05.11.2022	Code Division Multiple Access- CDMA
	Control.		Space Division Multiple Access - SDMA
	TOPIC-5	04.11.2022	Wireless LANS & Communication Infrared.
	WIRELESS LANS		
		05.11.2022	Radio Frequency, IR Advangages, IR Disadvantages, RF
			Advantages, RF Disadvantages.
		09.11.2022	Wireless Network Architecture
9th Week	TOPIC-5	10.11.2022	Types of WLAN
	WIRELESS LANS	11.11.2022	IEEE 802.11 and its architecture.
		12.11.2022	MAC LAYER - Security.
		14.11.2022	Synchronization - Timer Synchronization IBSS, Timer
			Synchronizatin in an infrastructure BSS
		15.11.2022	Power Management - Power Management in an
			independent VSS, In an infrastructure BSS.
10th Week	TOPIC-5	17.11.2022	Roaming, Bluetooth
	WIRELESS LANS	18.11.2022	Bluetooth Communication Types- Diponent and
	TOPIC-6		Scatternet.
	Ubiquitous Wireless	19.11.2022	Introduction - Scenario of Mobile Communication.
	Communication.	21.11.2022	Mobile Communication Generation- 1G to 3G.
		22.11.2022	3G Mobile Communication Network.
		23.11.2022	Universal Mobile Telecommunication System (UMTS)
11th Week	TOPIC-6	24.11.2022	UMTS Services
	Ubiquitous Wireless	25.11.2022	UMTS Architecture
	Communication.	26.11.2022	UMTS User Equipments.
	TOPIC-7	28.11.2022	Overview, Working of Mobile IP
	Mobile IP	29.11.2022	Mobile IP Entities- Mobile Node, Home Agent, Foreign
			Agent, COA, CA, Home Address, HL, FN
		30.11.2022	Components of Mobile IP, Mobile IP V6 Features.
12th Week	TOPIC-7	01.12.2022	Mobile IP V6 Address Type.
	Mobile IP	02.12.2022	Mobile IP V6 Address Scope, Mobile IP Operation.
	TOPIC-8	03.12.2022	Discovering Care of address, Registration of Care of
	Mobile Computing		Address Process.
		05.12.2022	World Wide Web - WWB - Architecture of Mobile
			Computing
		06.12.2022	Wireless Application Protocol (WAP), Mid of WAP.
		07.12.2022	Benefits of WAP, Examples of WAP.
13th Week	TOPIC-8	08.12.2022	WAP Architecture.
	Mobile Computing	09.12.2022	WAP Protocol, WAP Transport Layer Wireless Datagram
	TOPIC-9		Protocol (WDP)
	Wireless Telecom	10.12.2022	Push-Pull Based Data Acquisition.
	Network.	12.12.2022	I Mode, Wireless Markup Language (WML), WML Script
			Language, Key Features.
		13.12.2022	I Mode, WAP - 2X
		14.12.2022	GSM Archietecher
14th Week	TOPIC-9	15.12.2022	GPRS- Archietecher
	Wireless Telecom	16.12.2022	IS - 95, CDMA - 2000
	Network.	17.12.2022	WCDM, Wireless Senssor Networks
	TOPIC-10	19.12.2022	Short Message Service (SMS)
	Messaging Services	20.12.2022	Multimedia Message Service (MMS)
		21.12.2022	Multimedia Transmission Over Wireless.
		22.12.2022	Revision, Class Test, Doubt Clearing.