BALASORE SCHOOL OF ENGINEERING, BALASORE

LESSION PLAN FOR 5TH SEMESTER, SESSION:-2022-23(W-22)

BRANCH:- Computer Science & Engineering				SEMESTER:-5TH		
SUBJECT:- MOBILE COMPUTING				THEORY:-TH-5		
NAME OF TEACHER:- SUVENDU NAYAK						
SL. No.	Month /No .of academic days available for the subject	Chapter	DATE	TOPICS TO BE COVERED	No of periods available as per syllabus	No of periods available as per plan
	SEPT-2022 (10)	Unit-1	15/9/22	**1. Introduction to Wireless networks & Mobile Computing 06** 1.1Networks 1.2 Wireless Networks	10	10
			19/9/22	1.3 Mobile Computing		
			20/9/22	1.4 Mobile Computing Characteristics		
			21/9/22	1.5 Application of Mobile Computing cont.....		
			22/9/22	1.5 Application of Mobile Computing		
		Unit-2	24/9/22	**2. Introduction to Mobile Development Framework** 2.1 C/S architecture		
			26/9/22	2.2 n-tier architecture 2.3 n-tier architecture and www		
			27/9/22	2.4 Peer-to Peer architecture		
			28/9/22	2.5 Mobile agent architecture		
			29/9/22	**3. Wireless Transmission** 3.1 Introduction 3.2 Signals		

SL. No.	Month /No .of academic days available for the subject	Chapter	DATE	TOPICS TO BE COVERED	No of periods available as per syllabus	No of periods available as per plan
	OCT-2022(16)	Unit-3	01/10/22	3.3 Period, Frequency and Bandwidth.	20	16
			10/10/22	3.4 Antennas 3.5 Signal Propagation cont....		
			11/10/22	3.5 Signal Propagation Cmplt.		
			12/10/22	3.6 Multiplexing 3.7 Modulation		
			13/10/22	3.8 Spread Spectrum 3.9 Cellular System		
			15/10/22	REVISION		
		Unit-4	17/10/22	**4. Medium Access Control** 4.1 Introduction 4.2 Hidden/ Exposed Terminals Cont....		
			18/10/22	4.2 Hidden/ Exposed Terminals		
			19/10/22	4.3 The basic Access Method		
			20/10/22	4.4 Near / Far Terminals		
			22/10/22	4.5 SDMA, FDMA,TDMA, CDMA		
		Unit-5	25/10/22	**5. Wireless LANs** 5.1 Wireless LAN and communication 5.2 Infrared		
			26/10/22	5.3 Radio Frequency		
			27/10/22	5.4 IR Advantages and Disadvantages 5.5 RF Advantages and Disadvantages		
			29/10/22	5.6 Wireless Network Architecture Logical 5.7 Types of WLAN		
			31/10/22	5.8 IEEE 802.11 5.9 MAC layer		

SL. No.	Month /No .of academic days available for the subject	Chapter	DATE	TOPICS TO BE COVERED	No of periods available as per syllabus	No of periods available as per plan
	NOV-2022(16)	Rest of Unit-5	01/11/22	5.10 Security 5.11 Synchronization	20	16
			02/11/22	5.12 Power Management 5.13 Roaming		
			03/11/22	5.14 Bluetooth Overview		
			05/11/22	REVISION		
		Unit-6	07/11/22	**6. Ubiquitous Wireless Communication** 6.1 Introduction 6.2 Scenario of Mobile Communication		
			09/11/22	6.3 Mobile Communication Generations 1G to 3G		
			10/11/22	6.4 3rd Generation Mobile Communication Network 6.5 Universal Mobile telecommunication System (UMTS)		
		Unit-7	12/11/22	**7. Mobile IP** 7.1 Overview 7.2 Working with mobile IP 7.3 Mobile IP Entities		
			21/11/22	7.4 Mobility Agents 7.5 Components of Mobile IP		
			22/11/22	7.6 Mobile IPv6 Features 7.7 Mobile IPv6 Address Types		
			23/11/22	7.8 Mobile IPv6 Address Scope 7.9 Mobile IP Operation		
			24/11/22	REVISION		
		Unit-8	26/11/22	**8. Mobile Computing** 8.1 WWW architecture for Mobile computing 8.2 Need of WAP		
			28/11/22	8.3 Benefits of WAP 8.4 Examples of WAP		
			29/11/22	8.5 WAP- Architecture		
			30/11/22	8.6 WAP protocols		

SL. No.	Month /No .of academic days available for the subject	Chapter	DATE	TOPICS TO BE COVERED	No of periods available as per syllabus	No of periods available as per plan
	DEC-2022(8)	Rest of Unit-8	01/12/22	8.7 WML 8.8 WAP Push architecture	10	8
			03/12/22	8.9 Push-Pull based data acquisition		
			05/12/22	8.10 I-mode		
			06/12/22	8.11 WAP 2.x		
		Unit-9	08/12/22	**9. Wireless Telecomm Networks** 9.1 GSM 9.2 GPRS		
			10/12/22	9.3 IS-95 9.4 CDMA-2000		
			12/12/22	9.5 W-CDMA 9.6 Wireless Sensor Networks		
		Unit-10	15/12/22	**10. Messaging Services** 10.1 Short Message Services (SMS)		
			17/12/22	10.2 Multimedia Message Services (MMS)		
			19/12/22	10.3 Multimedia transmission over wireless		
				Total Class	60	50

Brief Summary of the Plan

Slno	Month	Units/Chapter To be Covered	Percentage of Coverage
1	SEPT	Chapter- 1,2 & 3 – 3.2	25 %
2	OCT	Chapter- 3.3 – 3.6, 4, 5 -5.9	35%
3	NOV	Chapter- 5.10 – 5.14, 6, 7, 8- 8.6	40%
4	DEC	Chapter- 8.7 -8.11, 9 & 10	20%

Surendra Nayak

Signature of the Faculty

Date 13/09/22

Signature of the Principal

Date

Panda
13/9/22