

SYNERGY POLYTECHNIC, BBSR

The Lesson Plan

Discipline: <u>Computer Science Engineering</u>		Semester: <u>5th sem</u>	Name of the Teaching Faculty: <u>Tapaswini Paul</u>
Subject: <u>mobile computing</u>		No of Days/per week class allotted: <u>4</u>	Semester from Date: <u>1.7.24</u> to Date: <u>18.11.24</u>
Week	Class Day	Theory/Practical Topics	
1st	1st	Chap1 Networks	
	2nd	Wireless Networks	
	3rd	Mobile computing	
	4th	Mobile computing characteristics	
	5th		
2nd	1st	continuing Mobile computing characteristics Application of Mobile computing	
	2nd	Application of Mobile computing	
	3rd	Chap2 C/S architecture	
	4th	continuing C/S architecture	
	5th		
3rd	1st	n-tier architecture	
	2nd	n-tier architecture and WWSO	
	3rd	Peer to peer architecture	
	4th	Mobile agent architecture	
	5th		
4th	1st	Chap3 Introduction to wireless Transmission	
	2nd	Signals, Period, Frequency and Bandwidth	
	3rd	Antennas, Signal Propagation	
	4th	Multiplexing	
	5th		
5th	1st	Modulation, Spread Spectrum	
	2nd	cellular system	
	3rd	Chap4 Introduction to Medium Access Control	
	4th	Hidden/exposed Terminals	
	5th		

Tapaswini Paul
Sign of Faculty


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Principal

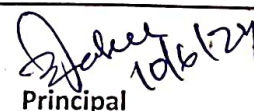
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Discipline: <u>Computer Science Engineering</u>	Semester: <u>5th sem</u>	Name of the Teaching Faculty: <u>Tapaswini Rout</u>
Subject: <u>Mobile computing</u>	No of Days/per week class allotted: <u>4</u>	Semester from Date: <u>1.7.24</u> to Date: <u>18.11.24</u> No of Weeks: <u>15</u>
Week	Class Day	Theory/Practical Topics
1st	1st	The basic access methods
	2nd	Near / Far Terminals
	3rd	SDMA, FDMA
	4th	TDMA, CDMA
	5th	
2nd	1st	chaps wireless LAN and communication Infrared, Radio Frequency
	2nd	IR Advantages & Disadvantages RF Advantages & Disadvantages
	3rd	wireless N/W Architecture Logical Types of WLAN
	4th	IEEE 802.11, MAC Layer
	5th	Security, Synchronization
3rd	1st	Security, Synchronization
	2nd	Power Management, Roaming, Bluetooth Overview
	3rd	chaps Introduction to Ubiquitous wireless communication
	4th	Scenarios of mobile communication
	5th	
4th	1st	Mobile communication Generation 1G to 3G
	2nd	3rd Generation Mobile communication Network
	3rd	Universal Mobile Telecommunication System (UMTS)
	4th	Continuing UMTS
	5th	
5th	1st	chap7 Mobile IP overview working with mobile IP
	2nd	Mobile IP entities Mobility Agents
	3rd	Components of Mobile IP
	4th	Mobile IPv6 Features and Address Types
	5th	

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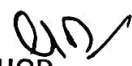

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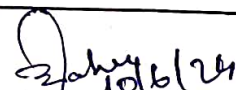
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Discipline: <u>Computer Science Engineering</u>		Semester: <u>5th sem</u>	Name of the Teaching Faculty: <u>Tapaswini Raut</u>
Subject: <u>Mobile computing</u>		No of Days/per week class allotted: <u>4</u>	Semester from Date: <u>1.7.24</u> to Date: <u>18.11.24</u> No of Weeks: <u>15</u>
Week	Class Day	Theory/Practical Topics	
1st	1st	Mobile IPv6 Address Scope	
	2nd	Mobile IP operation	
	3rd	Chap 8 www architecture for Mobile computing	
	4th	Need of WAP, Benefits of WAP, example of WAP	
	5th		
2nd	1st	WAP-architecture, WAP protocols	
	2nd	WML, WAP Push Architecture	
	3rd	Push-Pull based data acquisition	
	4th	I-mode, WAP 2.x	
	5th		
3rd	1st	Chap 9. Wireless Telecomm Networks GSM	
	2nd	GPRS	
	3rd	IS-95	
	4th	CDMA - 2000	
	5th		
4th	1st	W-CDMA	
	2nd	Wireless Sensor Networks	
	3rd	Chap 10 Short Message services (SMS)	
	4th	continuing SMS	
	5th		
5th	1st	Multimedia Message services (MMS)	
	2nd	continuing MMS	
	3rd	Multimedia transmission over wireless	
	4th	continuing Multimedia transmission over wireless	
	5th		

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