

**ST.ANN'S COLLEGE OF ENGINEERING ANG TECHNOLOGY****DEPARTMENT OF COMPUTER SCIENCE ENGINEERING**

SUBJECT:MOBILE COMPUTING

YEAR/SEM:IV B.TECH/I SEM(R13)

NAME OF THE FACULTY :Ch.Sravani

BRANCH:CSE-B

NO.OF LECTURES PER WEEK:4+1()

S.NO	DATE	UNIT NO	TOPIC TO BE COVERED
1	06-11-18	UNIT-1	Introduction to Mobile Computing Paradigms
2	06-12-18		Promises/Novel Applications
3	06-12-18		Impediments & architecture
4	13/6/2018		Mobile and Hand held devices
5	14/6/2018		Limitation of Mobile
6	18/6/2018		Limitation of Handheld devices
7	19/6/2018		GSM-services& Architecture
8	19/6/2018		<b>TUTORIAL</b>
9	20/6/2018		Radio Interfaces& GSM Protocols
10	21/6/2018		Localization,Calling , Handover&Security
11	22/6/2018		New Data Services, GPRS
12	25/6/2018		REVISION THROUGH NPTEL VIDEOS/PPT'S
13	26/6/2018		<b>TUTORIAL</b>
14	26/6/2018		<b>UNIT TEST-1</b>
15	28/6/2018	UNIT-2	Wireless Medium Access Control(MAC)
16	29/6/2018		Motivation for a Specialized MAC
17	07-02-18		Hidden & Exposed Trminals
18	07-03-18		Near & Far Terminals
19	07-03-18		<b>TUTORIAL</b>
20	07-05-18		SDMA,FDMA
21	07-06-18		TDMA,CDMA
22	07-09-18		Wireless LAN/(IEEE 802.11)
23	07-10-18		REVISION THROUGH NPTEL VIDEOS/PPT'S
24	07-10-18		<b>TUTORIAL</b>
25	07-12-18		<b>UNIT TEST-2</b>
26	13/7/2018	UNIT-3	Mobile Network Layer:IP and Mobile IP Network Layers
27	16/7/2018		Packet delivery and Handover Management
28	17/7/2018		Loacation Management ,Registration
29	17/7/2018		<b>TUTORIAL</b>
30	19/7/2018		Tunnelling and Encapsulation
31	20/7/2018		Route Optimization& DHCP

32	23/7/2018		REVISION THROUGH NPTEL VIDEOS/PPT'S
33	24/7/2018		Mobile Transport Layer
34	24/7/2018		<b>TUTORIAL</b>
35	26/7/2018	<b>UNIT-4</b>	Conventional TCP/IP Protocols
36	27/7/2018		Indirect TCP,Snooping TCP
37	30/7/2018		Mobile TCP
38	31/7/2018		Other Transport Layer Protocols
39	31/7/2018		<b>TUTORIAL</b>
40	08-02-18		Database Issues:Database Hoarding Caching Techniques
41	08-03-18		Client-Server Computing & Adaption
42	08-06-18	<b>MID-1</b>	<b>MID EXAMINATION-1</b>
43	08-07-18		<b>MID EXAMINATION-1</b>
44	08-07-18		<b>MID EXAMINATION-1</b>
45	08-09-18		<b>MID EXAMINATION-1</b>
46	08-10-18		<b>MID EXAMINATION-1</b>
47	13/8/2018	<b>UNIT-4</b>	Transaction Models
48	14/8/2018		Query Processing
49	14/8/2018		<b>TUTORIAL</b>
50	16/8/2018		Data Recovery Process
51	17/8/2018		QOS Issues
52	20/8/2018		REVISION THROUGH NPTEL VIDEOS/PPT'S
53	21/8/2018		<b>TUTORIAL</b>
54	21/8/2018		<b>UNIT TEST-4</b>
55	23/8/2018	<b>UNIT-5</b>	Data Dissemination& Synchronization
56	24/8/2018		Communication Asymmetry
57	27/8/2018		Classification of Data Delivery Mechanisams
58	28/8/2018		Selective Tuning & Indexing Methods
59	28/8/2018		<b>TUTORIAL</b>
60	30/8/2018		Data Dissemination,Broadcast Models
61	31/8/2018		Intoduction to Data Synchronization
62	09-04-18		Software and Protocols
63	09-04-18		<b>TUTORIAL</b>
64	09-06-18		REVISION THROUGH NPTEL VIDEOS/PPT'S
65	09-07-18	<b>UNIT TEST-5</b>	
66	09-10-18		Mobile Ad hoc Networks:Introduction
67	09-11-18		Applications & Challenges of a MANET
68	09-11-18		Routing,Classification of Routing Algorithms

69	17/9/2018	<b>UNIT-6</b>	Alogorithms DSR
70	18/9/2018		Alogorithms AODV,DSDV
71	18/9/2018		<b>TUTORIAL</b>
72	20/9/2018		Mobile Agents,service Discovery
73	24/9/2018		Protocols and Platforms for Mobile Computing
74	25/9/2018		WAP,Bluetooth,XML
75	25/9/2018		J2ME,Java Card
76	27/9/2018		palmOS,Windows CE
77	28/9/2018		Symbian OS,Linux for Mobile Devices
78	10-01-18		Linux for Android
79	10-04-18	<b>REVISION</b>	<b>Revision</b>
80	10-05-18		<b>Revision</b>
81	10-06-18		<b>Revision</b>
82	10-08-18	<b>MID-2</b>	<b>MID EXAMINATION-2</b>
83	10-09-18		<b>MID EXAMINATION-2</b>
84	10-09-18		<b>MID EXAMINATION-2</b>
85	10-10-18		<b>MID EXAMINATION-2</b>
86	10-11-18		<b>MID EXAMINATION-2</b>
87	10-12-18		<b>MID EXAMINATION-2</b>

**TEXT BOOKS:**

- 1.Jochen Schiller,"Mobile communications",Addison-Wesley,Second Edition,2009
- 2.Raj Kamal ,"Mobile Computing",Oxford University Press,2007,ISBN:0195686772

**FACULTY**

**HOD**