

ST.ANN'S COLLEGE OF ENGINEERING AND TECHNOLOGY,CHIRALA
DEPARTMENT OF COMPUTER SCIENCE&ENGINEERING
LECTURE SCHEDULE

SUBJECT:MOBILE COMPUTING
NAME OF FACULTY:CH.SRAVANI

YEAR/SEM:IV B.TECH/I SEM(R13)
BRANCH:CSE-A

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

| S.NO | DATE | UNIT.NO | TOPICS TO BE COVERED |
|------|------------|----------|--|
| 1 | 19/6/2017 | I | Introduction to Mobile Computing |
| 2 | 20/6/2017 | | Mobile Computing-Paradigms&Novel Applications |
| 3 | 22/6/2017 | | Impediments & Architecture |
| 4 | 23/6/2017 | | Mobile and Hand held devices |
| 5 | 24/6/2017 | | Limitation of Mobile & Handheld devices |
| 6 | 27/6/2017 | | Tutorial |
| 7 | 29/6/2017 | | GSM-services&Architecture |
| 8 | 30/6/2017 | | Radio Interfaces,Protocols |
| 9 | 07-01-17 | | Localization & Calling |
| 10 | 07-03-17 | | Handover,Security |
| 11 | 07-04-17 | | Tutorial |
| 12 | 07-06-17 | | New Data Services,GPRS |
| 13 | 07-07-17 | | Unit-1 Revision |
| 14 | 07-10-17 | | UNIT TEST-1 |
| 15 | 07-11-17 | II | Wireless Medium Access Control(MAC) |
| 16 | 13/7/2017 | | Motivation for a Specialized MAC |
| 17 | 14/7/2017 | | Hidden & Exposed Trminals |
| 18 | 15/7/2017 | | Near & Far Terminals |
| 19 | 17/7/2017 | | SDMA,FDMA |
| 20 | 18/7/2017 | | Tutorial |
| 21 | 20/7/2017 | | TDMA,CDMA |
| 22 | 21/7/2017 | | Wireless LAN/(IEEE 802.11) |
| 23 | 22/7/2017 | | Wireless LAN/(IEEE 802.11) |
| 24 | 24/7/2017 | | Unit-2 Revision |
| 25 | 25/7/2017 | | Tutorial |
| 26 | 27/7/2017 | | UNIT TEST-2 |
| 27 | 28/7/2017 | III | Introduvtion to Mobile Network Layer |
| 28 | 29/7/2017 | | Mobile Network Layer:IP and Mobile IP Network Layers |
| 29 | 31/7/2017 | | Mobile Network Layer:IP and Mobile IP Network Layers |
| 30 | 08-01-17 | | Tutorial |
| 31 | 08-03-17 | | Packet delivery and Handover Management |
| 32 | 08-04-17 | | Packet delivery and Handover Management |
| 33 | 08-05-17 | | Loacation Management, Registration |
| 34 | 08-07-17 | | Tunnelling and Encapsulation |
| 35 | 08-08-17 | | Tutorial |
| 36 | 08-10-17 | | Route Optimization |
| 37 | 08-11-17 | | DHCP |
| 38 | 08-12-17 | | Unit-3 Revision |
| 39 | 16/8/2017 | | Revision |
| 40 | 17/8/2017 | | Revision |
| 41 | 18/8/2017 | | Revision |
| 42 | 19/8/2017 | | Revision |
| 43 | 21/8/2017 | | Revision |
| 44 | 22/8/2017 | Revision | |
| 45 | 23/8/2017 | IV | Conventional TCP/IP Protocols |
| 46 | 24/8/2017 | | Indirect TCP,Snooping TCP |
| 47 | 28/8/2017 | | Mobile TCP,Other Transport Layer Protocols |
| 48 | 29/8/2017 | | Tutorial |
| 49 | 30/8/2017 | | Database Issues:Database Hoarding |
| 50 | 31/8/2017 | | Caching Techniques |
| 51 | 09-01-17 | | Client-Server Computing & Adaption |
| 52 | 09-04-17 | | Transaction Models ,Query Processing |
| 53 | 09-05-17 | | Tutorial |
| 54 | 09-07-17 | | Data Recovery Process & QOS Issues |
| 55 | 09-08-17 | | UNIT TEST-4 |
| 56 | 09-09-17 | V | Communication Asymmetry |
| 57 | 09-11-17 | | Classification of Data Delivery Mechanisams |
| 58 | 09-12-17 | | Tutorial |
| 59 | 14/9/2017 | | Data Dissemination,Broadcast Models |
| 60 | 15/9/2017 | | Selective Tuning & Indexing Methods |
| 61 | 16/9/2017 | | Intoduction to Data Synchronization |
| 62 | 18/9/2017 | | Software and Protocols |
| 63 | 19/9/2017 | | Unit-5 Revision |
| 64 | 21/9/2017 | | UNIT TEST-5 |
| 65 | 22/9/2017 | VI | Mobile Ad hoc Networks:Introduction |
| 66 | 23/9/2017 | | Applications & Challenges of a MANET |
| 67 | 25/9/2017 | | Routing,Classification of Routing Algorithms |
| 68 | 26/9/2017 | | Tutorial |
| 69 | 10-03-17 | | Alogorithms AODV,DSDV,DSR |
| 70 | 10-05-17 | | Mobile Agents,service Discovery |
| 71 | 10-06-17 | | Protocols and Platforms for Mobile Computing |
| 72 | 10-07-17 | | WAP,Bluetooth,XML |
| 73 | 10-09-17 | | J2ME,Java Card |
| 74 | 10-10-17 | | Tutorial |
| 75 | 10-12-17 | | palmOS,Windows CE |
| 76 | 13/10/2017 | | Symbian OS,Linux for Mobile Devices |
| 77 | 14/10/2017 | | Linux for Android |
| 78 | 16/10/2017 | | Revision |
| 79 | 17/10/2017 | Revision | |
| 80 | 18/10/2017 | Revision | |
| 81 | 20/10/2017 | Revision | |
| 82 | 21/10/2017 | Revision | |
| 83 | 23/10/2017 | Revision | |

TEXT BOOKS:

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