**LESSON PLAN**

**Branch**: IV ECE ‘C’ **Semester**: I **Subject**: Wireless Communications Networks

**Acadamic year:2016-17 faculty :D.V.L.N.Sastry**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Period | Date (Tentative) | Topic | Unit No. | Teaching Methodology | Remarks | Corrective Action upon Review |
|  | 28.06.2016 | Multiple access techniques for wireless communication | I | Black Board |  |  |
|  | 28.06.2016 | Introduction, | I | B.B |  |  |
|  | 29.06.2016 | Introduction to FDMA, TDMA | I | B.B |  |  |
|  | 01.07.2016 | Spread Spectrum Multiple Access | I | B.B |  |  |
|  | 01.07.2016 | SDMA, Packet radio | I | B.B |  |  |
|  | 02.07.2016 | CSMA protocols | I | B.B |  |  |
|  | 05.07.2016 | Introduction to Wireless Networking | I | B.B |  |  |
|  | 05.07.2016 | Difference between wireless and fixed telephone networks, | I | B.B |  |  |
|  | 06.07.2016 | I,II,III Generation | I | B.B |  |  |
|  | 08.07.2016 | Traffic routing in wireless networks. | I | B.B |  |  |
|  | 08.07.2016 | Infrared LANs, Spread spectrum LANs | I | B.B |  |  |
|  | 12.07.2016 | Narrow bank microwave LANs, | I | B.B |  |  |
|  |  | **WIRELESS DATA SERVICES & BLUE TOOTH** |  |  |  |  |
|  | 12.07.2016 | Introduction to CDPD, ARDIS | II | PPT |  |  |
|  | 13.07.2016 | RMD, ISDN | II | PPT |  |  |
|  | 15.07.2016 | BISDN and ATM Introduction | II | PPT |  |  |
|  | 15.07.2016 | ATM | II | PPT |  |  |
|  | 16.07.2016 | SS7. | II | PPT |  |  |
|  | 16.08.2016 | BLUETOOTH Overview | II | PPT |  |  |
|  | 16.08.2016 | Radio specification | II | PPT |  |  |
|  | 19.08.2016 | Base band specification | II | PPT |  |  |
|  | 20.08.2016 | Links manager specification, | II | PPT |  |  |
|  | 30.08.2016 | Logical link control and adaptation protocol | II | PPT |  |  |
|  | 31.08.2016 | Introduction to WLL Technology | II | PPT |  |  |
|  |  | **MOBILE IP AND WIRELESS ACCESS PROTOCOL** | III | PPT |  |  |
|  | 02.09.2016 | INTRODUCTION TO Mobile IP | III | PPT |  |  |
|  | 02.09.2016 | Operation of mobile IP | III | PPT |  |  |
|  | 03.09.2016 | , Co-located address | III | PPT |  |  |
|  | 06.09.2016 | Registration | III | PPT |  |  |
|  | 07.09.2016 | Tunneling | III | PPT |  |  |
|  | 09.09.2016 | WAP Architecture | III | PPT |  |  |
|  | 13.09.2016 | overview, | III | PPT |  |  |
|  | 13.09.2016 | WML scripts | III | PPT |  |  |
|  | 14.09.2016 | WAP service | III | PPT |  |  |
|  | 16.09.2016 | WAP session protocol | III | PPT |  |  |
|  | 20.09.2016 | wireless transaction  Wireless datagram protocol | IV | PPT |  |  |
|  |  | **IEEE 802 &**  **MOBILE DATA NETWORKS** | IV |  |  |  |
|  | 20.09.2016 | IEEE 802 protocol Architecture | IV | PPT |  |  |
|  | 23.09.2016 | IEEE802 architecture and services | IV | PPT |  |  |
|  | 23.09.2016 | 802.11 medium access controls | IV | PPT |  |  |
|  | 24.09.2016 | 802.11 physical layer. | IV | PPT |  |  |
|  | 30.09.2016 | Introduction | IV | PPT |  |  |
|  | 03.10.2016 | Data oriented CDPD Network | IV | PPT |  |  |
|  | 03.10.2016 | GPRS and higher data rates | IV | PPT |  |  |
|  | 04.10.2016 | Short messaging service in GSM | IV | PPT |  |  |
|  | 06.10.2016 | Mobile application protocol | IV | PPT |  |  |
|  |  | **WIRELESS ATM & HIPER LAN** | V |  |  |  |
|  | 14.10.2016 | Introduction | V | PPT |  |  |
|  | 15.10.2016 | Wireless ATM | V | PPT |  |  |
|  | 18.10.2016 | HIPERLAN | V | PPT |  |  |
|  | 18.10.2016 | HIPERLAN-2 | V | PPT |  |  |
|  | 21.10.2016 | Applications | V | PPT |  |  |
|  | 22.10.2016 | Adhoc Networking | V | PPT |  |  |
|  | 25.10.2016 | WPAN. | V | PPT |  |  |
|  | 26.10.2016 | WPAN services | V | PPT |  |  |
|  | 28.10.2016 | applications |  |  |  |  |
|  | 29.10.2016 | Revision |  |  |  |  |

**TEXT BOOKS** :

1. Optical Fiber Communications – Gerd Keiser, Mc Graw-Hill International edition, 3rd Edition, 2000.

2. Optical Fiber Communications – John M. Senior, PHI, 2nd Edition, 2002.

**RERFERENCE BOOKS :**

1. Fiber Optic Communications – D.K. Mynbaev , S.C. Gupta and Lowell L. Scheiner, Pearson

Education, 2005.

2. Text Book on Optical Fibre Communication and its Applications – S.C.Gupta, PHI, 2005.

3. Fiber Optic Communication Systems – Govind P. Agarwal , John Wiley, 3rd Ediition, 2004.

4. Fiber Optic Communications – Joseph C. Palais, 4th Edition, Pearson Education, 2004.