**Aditya Institute of Technology and Management (Autonomous), Tekkali**

**IV Year B.Tech (Electronics and Communication Engineering) – 1st Sem.**

**SECTION-A**

**Telecommunication Switching Systems and Networks**

**LESSON PLAN**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Periods** | **Date**  **(Tentative)** | **Topic** | **Unit No** | **Teaching Methodology** | **Remarks** | **Corrective Action Upon Review** |
| 1 | 12.06.15  14.06.15 | **Introduction:** Evolution of telecommunications, | **I** | Chalk & Board |  |  |
| 3 | 14.06.15 | simple telephone communications |  |  |
| 4 | 15.06.15 | major telecommunication networks |  |  |
| 5 | 19.06.15 | Switching network configuration |  |  |
| 6 | 21.06.15 | principles of cross bar switching |  |  |
| 7 | 24.06.15 | Electronic space division switching: stored program control | **II** |  |  |
| 8 | 28.06.15 | centralized SPC | Chalk & Board & PPT |  |  |
| 9 | 30.06.15 | Distributed SPC |  |  |
| 10 | 10.07.15 | Two stage networks |  |  |
| 11 | 10.07.15 | Time division switching: basic time division space switching |  |  |
| 12 | 12.07.15 | basic time division time switching |  |  |
| 13 | 15.07.15 | time multiplexed space switching |  |  |
| 14 | 15.07.15 | time multiplexed time switching |  |  |
| 15 | 19.07.15 | combination switching |  |  |
| 16 | 24.07.15 | TELEPHONE NETWORKS: Subscriber loop systems | **III** | Chalk & Board |  |  |
| 17 | 26.07.15 | transmission plan |  |  |
| 18 | 29.07.15 | numbering plan |  |  |
| 19 | 31.07.15 | charging plans |  |  |
| 20 | 31.07.15 | call progress tones, call procedure, DTMF dialing |  |  |
| 21 | 01.08.15 | SIGNALING TECHNIQUES: In channel signaling |  |  |
| 22 | 05.08.15 | common channel signaling |  |  |
| 22 | 07.08.15 | Network traffic load and parameters |  |  |
| 23 | 09.08.15 | grade of service |  |  |
| 24 | 12.08.15 | DATA COMMUNICATION NETWORKS: Introduction | **IV** | Chalk & Board |  |  |
| 25 | 14.08.15 | network architecture |  |  |
| 26 | 19.08.15 | layered network architecture |  |  |
| 27 | 21.08.15 | Protocols |  |  |
| 28 | 23.08.15 | data communications hardware |  |  |
| 29 | 26.08.15 | data communication circuits |  |  |
| 30 | 28.08.15 | Public switched data networks |  |  |
| 31 | 30.08.15 | Circuit Switching, packet switching |  |  |
| 32 | 04.09.15 | OSI reference model |  |  |
| 33 | 06.09.15 | LAN, WAN, MAN |  |  |
| 44 | 09.09.15 | Repeaters, Bridges, Routers, gateways |  |  |
| 35 | 11.09.15 | INTEGRATED SERVICES DIGITAL NETWORK (ISDN): ISDN architecture | **V** | Chalk & Board |  |  |
| 36 | 13.09.15 | ISDN interfaces |  |  |
| 37 | 16.09.15 | functional grouping, reference points |  |  |
| 38 | 18.09.15 | signalling, numbering, addressing |  |  |
| 39 | 18.09.15 | BISDN |  |  |
| 40 | 20.09.15 | DSL Technology: ADSL |  |  |
| 41 | 23.09.15 | Cable Modem |  |  |
| 42 | 25.09.15 | HFC Networks |  |  |
| 43 | 25.09.15 | Sharing |  |  |
| 44 | 27.09.15 | CM & CMTS |  |  |
| 45 | 04.10.15 | DOCSIS |  |  |
| 46 | 07.10.15 | SONET |  |  |
| 47 | 09.10.15 | Revision |  |  |
| 48 | 09.10.15 | Revision |  |  |
| 49 | 11.10.15 | Revision |  |  |

**Signature of the faculty Signature of HOD/ECE**