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| **Sl. No** | **Syllabus** | **Curriculum** | **Deployment Strategy and**  **Tool** | **Cross-cutting issues**  **integrated** | **PO, PSO and CO** | **Attainment Verification** |
| 1. | COMPUTER NETWORK LABORATORY | 1. The Computer Networks Laboratory is designed for the undergraduate students to have the experiment related to the computer networks courses. The experiment includes network cabling, installation and configuration of network devices, analysis and application of network protocols, design and management of network systems 2. The laboratory is equipped with a few groups of computer network systems designed for the students to learn the concepts of the communication technologies in LANs and WANs, and in Routing and Switching . These systems are located at a separated standard equipment room and can be remotely accessed through the computer terminals. 3. Lots of various enterprise-level network equipment exists in the laboratory, including advanced routers, Ethernet switches, IEEE 802.11a/b/g/n wireless access points, and the tools for cable making and testing , allowing the students to practice the skills of network engineering in cabling, installation and troubleshooting. | 1. Chalk and   Talk method   1. PPT | * Business   Ethics   * Human   values | PO1:Engineering Knowledge  PO2:Problem Analysis  PO3:Design/Development Of Solutions  PO4:Conduct Investigations Of Complex Problems  PO5:Modern Tool  PO12: Life-long  Learning. |  |
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|  |  | PSO1:Professional Skills |
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|  |  | **CO1:Analyze** and **Compare** various networking protocols.  **CO2:Implement, analyze and evaluate** various networking concepts like Point-to-point, Ping messages and Ethernet LAN using NS2/NS3.  **CO3:Implement, analyze and evaluate** performance of ESS, GSM and CDMA using NS2/NS3.  **CO4:Demonstrate** the working of different concepts of networking like cryptography & network security algorithm, routing algorithm and congestion control algorithm related to various layers of ISO/OSI  **CO5:Demonstrate** the working of Transport layer protocols using socket programming. |
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