**LESSON PLAN**

**DATA COMMUNICATION & COMPUTER NETWORK**



**BRANCH: 3RD SEM, CSE**

**PREPARED BY**

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**GOVERNMENT POLYTECHNIC BARGARH**

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| **LECTURE** | **TOPICS TO BE COVERED** | **TEACHING**  **MEHOD** |
| 1 | Network& Protocol | PPT |
| 2 | Data Communication | PPT |
| 3 | Networks | PPT |
| 4 | Protocol & Architecture | PPT |
| 5 | Standards, OSI MODEL | PPT |
| 6 | TCP/IP MODEL | PPT |
| 7 | OSI & TCP/IP MODEL | PPT |
| 8 | REVISION | PPT |
| 9 | Data Transmission & Media | PPT |
| 10 | Data transmission Concepts and Terminology | PPT |
| 11 | Analog and Digital Data transmission | PPT |
| 12 | Transmission impairments, Channel capacity | PPT |
| 13 | Transmission media | PPT |
| 14 | Guided Transmission, | PPT |
| 15 | Wireless Transmission | PPT |
| 16 | REVISION | PPT |
| 17 | Data Encoding | CHALK & BOARD |
| 18 | Data encoding, | CHALK & BOARD |
| 19 | Digital data digital signals, | CHALK & BOARD |
| 20 | Digital data analog signals | CHALK & BOARD |
| 21 | Analog data digital signals | CHALK & BOARD |
| 22 | Analog data analog signals | CHALK & BOARD |
| 23 | REVISION | CHALK & BOARD |
| 24 | Data Communication & Data link control | CHALK & BOARD |
| 25 | Asynchronous and Synchronous Transmission | CHALK & BOARD |
| 26 | Error Detection | CHALK & BOARD |
| 27 | Line configuration | CHALK & BOARD |
| 28 | Flow Control, | CHALK & BOARD |
| 29 | Error Control | CHALK & BOARD |
| 30 | Multiplexing :FDM, synchronous TDM | CHALK & BOARD |
| 31 | Statistical TDM | PPT |
| 32 | REVISION | PPT |
| 33 | Switching & Routing: Circuit Switching networks | PPT |
| 34 | Packet Switching principles | PPT |
| 35 | X.25 | PPT |
| 36 | Routing in Packet switching | PPT |
| 37 | Congestion | PPT |
| 38 | Effects of congestion | PPT |
| 39 | congestion control | PPT |
| 40 | Traffic Management | PPT |
| 41 | Congestion Control in Packet Switching Network | PPT |
| 42 | REVISION | PPT |
| 44 | LAN Technology : Topology | PPT |
| 45 | Transmission Media | PPT |
| 46 | LAN protocol architecture | PPT |
| 47 | Medium Access control | PPT |
| 48 | Bridges, Hub | PPT |
| 49 | Switch | PPT |
| 50 | Ethernet (CSMA/CD) | PPT |
| 51 | Fiber Channel | PPT |
| 52 | Wireless LAN Technology | PPT |
| 53 | TCP/IP: TCP/IP Protocol Suite | PPT |
| 54 | Basic Protocol functions | PPT |
| 55 | Principles of Internetworking | PPT |
| 56 | Internet Protocol operations | PPT |
| 57 | Internet Protocol | PPT |
| 58 | REVISION | PPT |
| 59 | PREVIOUS YEAR QUESTIONS DISCUSSION | PPT |
| 60 | PREVIOUS YEAR QUESTIONS DISCUSSION | PPT |

LECTURER HOD