

Bhubanananda Orissa School of Engineering

Lesson Plan

| Discipline:E&TC | Semester:4 th | Name of the Teaching Faculty : Jyoti Prakash Behura |
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| Subject: Data Communication and Computer Network | No of Days/per week class allotted:4 | Semester from14.02. 2023 to 23.05.2023 No of weeks:15 |
| Week No. | Class Day TUE,WED,THU,FRI | Theory Topics |
| 1 st | 14-02-2023 | Introduction of the Subject and Syllabus discussion. |
| | 15-02-2023 | Unit-1.Network & Protocol 1.1 Data Communication |
| | 16-02-2023 | 1.2 Networks |
| | 17-02-2023 | 1.3 Protocol & Architecture Standards OSI |
| 2 nd | 21-02-2023 | Architecture Standards TCP/IP |
| | 22-02-2023 | Unit-2.DataTransmission&Media 2.1 Data transmission Concepts and Terminology |
| | 23-02-2023 | 2.2 Analog and Digital Data transmission |
| | 24-02-2023 | 2.3 Transmission impairments, Channel capacity |
| 3 rd | 28-02-2023 | 2.4Transmissionmedia, Guided Transmission |
| | 01-03-2023 | Wireless Transmission |
| | 02-03-2023 | Unit-3.DataEncoding 3.1Dataencoding |
| | 03-03-2023 | 3.2 Digital data digital signals, |
| 4 th | 09-03-2023 | 3.3 Digital data analog signals |
| | 10-03-2023 | 3.4 Analog data digital signals |
| 5 th | 14-03-2023 | 3.5 Analog data analog signals |
| | 15-03-2023 | Revision |
| | 16-03-2023 | Unit-4.Data Communication & Data link control 4.1Asynchronous and Synchronous Transmission |

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| | 17-03-2023 | 4.2 Error Detection |
| 6 th | 21-03-2023 | 4.3 Line configuration |
| | 22-03-2023 | 4.4 Flow Control. |
| | 23-03-2023 | 4.5 Error Control |
| | 24-03-2023 | 4.6 Multiplexing |
| 7 th | 28-03-2023 | 4.7 FDM synchronous TDM |
| | 29-03-2023 | 4.8 Statistical TDM |
| | 31-03-2023 | Class Test - I |
| 8 th | 04-04-2023 | Unit-5. Switching & Routing 5.1 Circuit Switching networks |
| | 05-04-2023 | 5.2 Packet Switching principles |
| | 06-04-2023 | 5.3 X.25 |
| 9 th | 11-04-2023 | 5.4 Routing in Packet switching |
| | 12-04-2023 | 5.5 Congestion 5.6 Effects of congestion, congestion control |
| | 13-04-2023 | 5.7 Traffic Management |
| 10 th | 18-04-2023 | 5.8 Congestion Control in Packet Switching Network. |
| | 19-04-2023 | Revision |
| | 20-04-2023 | Unit-6. LAN Technology 6.1 Topology and Transmission Media |
| | 21-04-2023 | 6.2 LAN protocol architecture |
| 11 th | 25-04-2023 | 6.3 Medium Access control |
| | 26-04-2023 | 6.4 Bridges, Hub, Switch |

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| | 27-04-2023 | 6.5 Ethernet(CSMA) |
| | 28-04-2023 | INTERNAL-I |
| 12 th | 02-05-2023 | Ethernet(CD) |
| | 03-05-2023 | Fiber Channel |
| | 04-05-2023 | Unit-7.TCP/IP Introduction |
| 13 th | 09-05-2023 | 7.1 TCP/IP Protocol Suite |
| | 10-05-2023 | 7.2 Basic Protocol functions |
| | 11-05-2023 | Basic Protocol functions |
| | 12-05-2023 | 7.3 Principles of Internet working |
| 14 th | 16-05-2023 | 7.4 Internet Protocol |
| | 17-05-2023 | Class Test -II |
| | 18-05-2023 | INTERNAL-II |
| 15 th | 23-05-2023 | Important Questions Discussion |

Jyoti Prakash Behera.
13/02/2023
Signature of Faculty

SAD
13/02/2023
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Sr. Lecturer
Electronics & Telecomm. Engg.
BOSE, Cuttack

M2
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