**Lesson Plan Form**

**Course Title: Computer Networks**

**Course Code: ETE-331**

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| Title: **Introduction to TCP/IP** | | | Ref. No:  **ETE 331/02** | |
| Target Population: **25** | | | Duration  **90 minutes** | |
| Aims/Rationale: **To teach the students about the TCP/IP Model of Computer Networks that how a connection is established and maintained by the TCP /IP Protocols and It regulates how network devices are connected and the way information is transmitted.** | | | | |
| **Learning Outcomes: At the end of the session participant will be able to :**  **1. Understand the Introduction TCP/IP Model and get brief History of TCP/IP Model.**  **2. Describe the layers of TCP/IP Protocol and their functions.**  **3. Understand about the HTTP (Hypertext transfer protocol), FTP (File transfer protocol), SMTP (Simple mail transfer protocol), SNMP (Simple network management protocol), DNS (Domain Name Service) etc.**  **4. Draw the TCP/IP Protocol suite.** | | | | |
| **Content** | Method or Technique | Resource or Aid | | Time |
| Introduction: **Welcome address**  **Rapport building**  **Bridging topic**  **Layout/ content outline**  **Attendance**  **Pre-assessment** | **Lecture**  **Q/A** | **W/B** | | **10 minutes** |
| Development:  Section-A:  **Introduction of TCP/IP Model and brief History.**  **Discuss the importance for how network devices are connected and the way information is transmitted.**  Section-B  **TCP/IP Protocol normally considered to be a 4 layer system. The four layers are as** **follows:**   1. **Application layer** 2. **Transport layer** 3. **Network layer** 4. **Data link layer**   Section-C  **Describe the four Layers working functions.**  Section-D  **TCP/IP CONCEPT EXAMPLE**  **Various IP support protocols including ARP, ICMP, DHCP, DNS, HTTP, FTP, SMTV etc.** | **Lecture**  **Discussion**  **Do**    **Do**    **Do** | **W/B**  **MMP**  **Video** | | **10 minutes**  **20 minutes**    **25 minutes**    **15 minutes** |
| Conclusion:  **Recap main points**  **Feedback & answer**  **Assessment of LOs**  **Reference**  **Forward plan** | **Lecture**  **Discussion**  **Q/A** |  | | **10 minutes** |
| Equipment & aids: **Optional** | | | | |