**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** |