**Lesson Plan Form**

**Course Title: Computer Networks**

**Course Code: ETE-331**

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| Title: **Introduction to layered protocols and OSI model****Terminology in OSI** | Ref. No:**ETE 331/03** |
| Target Population: **25** | Duration**90 minutes** |
| Aims/Rationale: **To teach the students about the ISO/OSI Model of Computer Networks that how a connection is established and maintained by the ISO/OSI 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 ISO/OSI Model.****2. Describe the layers of ISO/OSI Protocol and their functions.****3. Understand how allow manufactures of different systems to interconnect their equipment through standard interfaces.****4.** **Allow software and hardware to integration well and be portable on differing systems.****5. Understand the OSI Model protocol terminology.** |
| **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**OSI Model considered to be a 7 layers system. The seven layers are as** **follows:** 1. **The Physical Layer**
2. **The Data Link Layer**
3. **The Network Layer**
4. **The Transport Layer**
5. **The Session Layer**
6. **The Presentation Layer**
7. **The Application Layer**

Section-C**Features of OSI model.****Describe the seven Layers working functions.****Draw the working diagram of each layers.**Section-D**Merits of OSI reference model****Demerits of OSI reference model** | **Lecture****Discussion****Do** **Do** **Do** | **W/B****MMP****Video** | **15 minutes** **20 minutes** **25 minutes** **10minutes** |
| Conclusion:**Recap main points****Feedback & answer****Assessment of LOs****Reference****Forward plan** | **Lecture****Discussion****Q/A** |  |  **10 minutes** |
| Equipment & aids: **Optional** |