**Lesson Plan Form**

**Course Title: Computer Networks**

**Course Code: ETE-331**

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| Title: **Ethernet Fundamentals** | Ref. No:**ETE 331/08** |
| Target Population: **25** | Duration**90 minutes** |
| Aims/Rationale: **After completing this lesson students will be able to know**  |
| **Learning Outcomes: At the end of the session participant will be able to :*** **Describe Ethernet topology.**
* **Explain how CSMA/CD is used within an Ethernet LAN.**
* **Compare and contrast two Ethernet frame types.**
* **Describe the relationship between IEEE Ethernet standards and the OSI model.**
* **Troubleshoot an Ethernet problem.**
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| **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**Ethernet Networks introduction and it’s function.****Collision Domain** Section-B**Broadcast Domain** **CSMA/CD** **Half and Full-Duplex Ethernet**Section-C**Ethernet at the data link layer*** **Ethernet addressing**
* **Ethernet Frames**

**Ethernet at the Physical layer.**Section-D**Ethernet Cabling** | **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** |