**Lesson Plan Form**

**Course Title: Computer Networks**

**Course Code: ETE-331**

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| Title: **VLAN (Virtual Local Area Network )** | | | Ref. No:  **ETE 331/10** | |
| Target Population: **25** | | | Duration  **90 minutes** | |
| Aims/Rationale: **After completing this lesson, students will understand about virtual local area networks (VLAN's) , their uses and how they work in accordance with the 802.1Q standard.** | | | | |
| **Learning Outcomes: At the end of the session participant will be able to :**     * [**What are VLAN's?**](http://www.cse.wustl.edu/~jain/cis788-97/ftp/virtual_lans/#WhatVLAN) * **Design VLAM’s** * [**Why use VLAN's?**](http://www.cse.wustl.edu/~jain/cis788-97/ftp/virtual_lans/#WhyVLAN) * [**How VLAN's work**](http://www.cse.wustl.edu/~jain/cis788-97/ftp/virtual_lans/#HowVLAN) * [**Types of VLAN's**](http://www.cse.wustl.edu/~jain/cis788-97/ftp/virtual_lans/#Types) * [**Types of Connections**](http://www.cse.wustl.edu/~jain/cis788-97/ftp/virtual_lans/#Connections) * [**Frame Processing**](http://www.cse.wustl.edu/~jain/cis788-97/ftp/virtual_lans/#Processing) | | | | |
| **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** | | **15 minutes** |
| Development:  Section-A:  **Introduction of VLANs**  **Design VLANs**  Section –B  **What are VLANs?**  [**Why use VLAN's?**](http://www.cse.wustl.edu/~jain/cis788-97/ftp/virtual_lans/#WhyVLAN)  Section-C  [**How VLAN's work**](http://www.cse.wustl.edu/~jain/cis788-97/ftp/virtual_lans/#HowVLAN)  [**Types of VLAN's**](http://www.cse.wustl.edu/~jain/cis788-97/ftp/virtual_lans/#Types)  Section-D  [**Types of Connections**](http://www.cse.wustl.edu/~jain/cis788-97/ftp/virtual_lans/#Connections)  [**Frame Processing**](http://www.cse.wustl.edu/~jain/cis788-97/ftp/virtual_lans/#Processing) | **Lecture**  **Discussion**  **Do**    **Do**    **Do** | **W/B**  **MMP**  **Video** | | **10 minutes**  **15 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** | | | | |