**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)
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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** | **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** |