**Lesson Plan Form**

**Course Title: Digital and Satellite Communication**

**Course Code: ETE-452**

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| **Title:** VSAT SYSTEMS | | | **Ref. No:** ETE 452/18 | |
| **Target Population:** 25 | | | **Duration :** 90 minutes | |
| **Aims/Rationale:** The aim of this course is to introduce the students to the basic concepts of VSAT Systems. The main objective of this course is to understand and implement the network architecture and basic techniques with the help of theoretical and practical problem solving. | | | | |
| **Learning Outcomes:** At the end of the session participant will be able to :   1. Understand the basic working principle of VSAT Systems. 2. Understand the Network architecture and Access Control Protocols. 3. Implement and utilize with basic techniques. | | | | |
| **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  Overview of VSAT Systems.  **Section-B**  Network Architecture.  One-Way Implementation.  Split-Two-Way (Split IP) Implementation.  **Section-C**  Access control Protocols.  Basic Techniques  . | Lecture  Discussion  Do  Do | W/B  MMP  Video | | 20 minutes  15 minutes  20 minutes |
| **Conclusion:**  Recap main points  Feedback & answer  Assessment of LOs  Reference  Forward plan | Lecture  Discussion  Q/A |  | | 10 minutes |
| E**quipment & aids:** Optional | | | | |