**Lesson Plan Form**

**Course Title: Digital and Satellite Communication**

**Course Code: ETE-452**

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| **Title:** VSAT SYSTEMS | | | **Ref. No:** ETE 452/19 | |
| **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. Learn System design procedure. 2. Understand VSAT Earth station Engineering. | | | | |
| **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**  System Design Procedure.  Description of System.  System Parameters.  **Section-B**  Preliminary Calculations.  Link C/N ratios.  System Analysis.  **Section-C**  VSAT Earth Station Engineering.  Antennas.  Transmitters and Receivers. | Lecture  Discussion  Do  Do | W/B  MMP  Video | | 20 minutes  25 minutes  25 minutes |
| **Conclusion:**  Recap main points  Feedback & answer  Assessment of LOs  Reference  Forward plan | Lecture  Discussion  Q/A |  | | 10 minutes |
| E**quipment & aids:** Optional | | | | |