**Lesson Plan Form**

**Course Title: Digital and Satellite Communication**

**Course Code: ETE-452**

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| **Title**: Satellite Antennas | | | **Ref. No**: ETE 452/05 | |
| **Target Population**: 25 | | | **Duration:** 90 minutes | |
| **Aims/Rationale:** After completing this lesson student will be able to know about the Satellite Antennas and types of antennas. | | | | |
| **Learning Outcomes:** At the end of the session participant will be able to :   1. Determine the Satellite Antennas. 2. Classify Satellite Antennas . 3. Determine the relations of Antennas with orbits . | | | | |
| **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. To Satellite Antennas  Basic Antenna Types and Relationships  **Section-B**  Typical satellite antenna patterns and coverage zones.  Satellite antennas in Practice  **Section-C**  Example. Global Beam antenna  Example. Regional Coverage Antenna | 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 |
| **Equipment & aids:** Optional | | | | |