**Lesson Plan Form**

**Course Title: Digital and Satellite Communication**

**Course Code: ETE-452**

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| **Title**: Introduction | | | | **Ref. No**: ETE 452/01 |  |  |  |
| **Target Population**: 25 | | | | **Duration:** 90 minutes |  |  |  |
| **Aims/Rationale:** After completing this lesson student will be able to know about the introduction to historical development of satellites and the communication satellite systems .They gather knowledge how the satellite works and the satellite transmission process. | | | | |  |  |  |
| **Learning Outcomes:** At the end of the session participant will be able to :  1. Know the historical background & development of Satellite communication.  2. Understand the different kind of communication system.  3. Understand the satellite transmission processes.  4. Understand the applications of satellite communication.  5. Know the future the satellite communication. | | | | |  |  |  |
| **Content** | **Method or Technique** | **Resource or Aid** | **Time** | | POs | Bloom’s Taxonomy  Domain/Level | POs |
| **Introduction**: Welcome address  Rapport building  Bridging topic  Layout/ content outline  Attendance  Pre-assessment  **CO 01** | Lecture  Q/A | W/B | 10 minutes | | PO1 | Cognitive/Apply | PO1 |
| **Development:**  **Section-A**  Introduction.  Development of satellite communication.  **Section-B**  Different kind of communication system.  How satellite works.  **Section-C**  Communication Satellites.  **Section-D**  Satellite Applications.  The future of satellite communication.  **CO02** | Lecture  Discussion  Do  Do  Do | W/B  MMP  Video | 10 minutes  20 minutes  25 minutes  15 minutes | | PO2 | Cognitive/Analyze | PO2 |
| **Conclusion:**  Recap main points  Feedback & answer  Assessment of LOs  Reference  Forward plan | Lecture  Discussion  Q/A |  | 10 minutes | |  |  |  |
| **Equipment & aids:** Optional | | | | |  |  |  |