**Lesson Plan Form**

**Course Title:** Digital and Satellite Communication

**Course Code:** ETE-452

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| **Title:** Modulation and Multiplexing techniques for satellite Links-   * Analog FM Transmission by Satellite. | | | **Ref. No**: ETE 452/11 | |
| **Target** Population: 25 | | | **Duration:**90 minutes | |
| **Aims/Rationale:** Upon completion of the lesson students are able to know about analog FM transmission s by satellite communication system. | | | | |
| **Learning Outcomes:** At the end of the session participant will be able to :   1. Learn how to analog FM transmit by satellite. 2. Understand S/N Ratio for FM Video Transmission system. 3. Learn SCPC FM Links. 4. Learn how to data transmit using analog FM channels. | | | | |
| **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**  Basic concept analog FM transmission process by satellite communication system.  Television signals.  **Section-B**  S/N Ratio for FM Video Transmission.  Example  FM Threshold.  **Section-C**  SCPC FM Links  Data Transmission using analog FM Channels. | 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 | | | | |