Lesson Plan Form

**Course Title: Digital and Satellite Communication**

**Course Code: ETE-452**

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| **Title:** Satellite Subsystems: Attitude and Orbit Control System  | **Ref. No:** ETE 452/03 |
| **Target Population:** 25 | **Duration:** 90 minutes |
| **Aims/Rationale:** After completing these lesson students are able to understand about the Satellite Communication Notes on **Satellite Communication** Subsystems that are required on a spacecraft with details of attitude and orbit control system. |
| Learning Outcomes: At the end of the session participant will be able to :1. Understand Attitude and Orbit Control System.
2. Determine the orbit control systems.
3. The architecture and design of the AOCS subsystem
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| **Content** | **Method or Technique** | **Resource or Aid** | **Time** |
| **Introduction**: Welcome addressRapport buildingBridging topicLayout/ content outlineAttendancePre-assessment | LectureQ/A | W/B | 10 minutes |
| **Development:****Section-A**Attitude and Orbit ControlSubsystemAOCS Control Modes**Section-B**AOCS Functional Block DiagramAttitude and Orbit Control Electronics**Section-C**Forces on a SatelliteRelationship between axes of a satellite  | LectureDiscussionDoDo | W/BMMPVideo | 10 minutes30 minutes30 minutes |
| **Conclusion:**Recap main pointsFeedback & answerAssessment of LOsReferenceForward plan | LectureDiscussionQ/A |  | 10 minutes |
| **Equipment & aids:** Optional |