

Navigating the Skies: A Problem-Based Learning Approach to Aircraft Nomenclature

Course Name and Code : OE3263

Class and Div. : Third Yr B.Tech.

Department : Mechanical Engineering

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Purpose and Motivation

As this is open elective and different terminology of aircraft has to be understood and able to design such as

- Fuselage
- Wings
- Empennage or Tail
- Power Plant
- Landing Gear
- cockpit
- elevator
- aileron
- spoiler

Suitability of Technique to course

As it is open elective all branches student are involved so I have prepared 3-4 students in a group and given total 10 topics along with questions common to apply each topic.

Procedure of Technique

First faculty taught what is aircraft and explain terminology by showing video for actual aircraft.

Then faculty has uploaded different topics with questions common to all and applicable to each topics on Moodle.

Then separate roll number wise distribution was given in the class.

Students were asked to prepare presentation on design. Sufficient time were given for preparation.

Each student has to submit presentation on Moodle and then discussion on the same in classroom.

Every listener was instructed to ask question to presenter or he may give his opinion about presentation.

Outcomes of Technique


This way students will understand every design presentation along with construction, working and application of

- ✓Fuselage
- ✓Wings
- ✓Empenage or Tail
- ✓Power Plant
- ✓Landing Gear
- ✓cockpit
- ✓elevator
- ✓airlon
- ✓spoiler


Presentation skill

Learning by design aspect.

Photographs and Student Response

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Presentation on topics given

 alloted student list.xlsx 18 May 2023, 2:55 PM

Visible groups: All participants

Grading summary

Hidden from students	No
Participants	48
Submitted	48
Needs grading	48
Due date	Thursday, 15 June 2023, 12:00 AM
Time remaining	Assignment is due

[View all submissions](#) [Grade](#)

THANK YOU!!!!