
PROJECT TITLE: 412 Weight Reduction (PART A)

OBJECTIVE: The objective of this project is to reduce weight of the 412.

DESCRIPTION:

The intent of this project is to contribute to reducing the weight of the 412 Airframe. Project approach involves achieving weight reduction through design process execution of a number of selected projects. Support to Designers and Project Engineer in day-to-day redesign tasks to achieve target weight reduction.

DELIVERABLES:

Design investigation, planning, tracking and definition execution of the optimized detail parts and their next higher assembly.

SCHEDULE: May – August 2011

NO OF HOURS: Total hours: 500 hours

SOFTWARE: CATIA V4, MS Office (Word, Excel, Powerpoint)

PRE-REQUISITES: Mechanical/Electrical/Materials/ Aerospace Engineering Student

- General knowledge of at least one of the following disciplines: structures, wiring, mechanical systems, materials .
- Familiar with CATIA V4
- Familiar with MS Office

BENEFITS: Reduce weight and improve customer satisfaction

PROJECT SUPERVISOR AT THE UNIVERSITY:

BELL PROJECT SUPERVISOR: Mona Gupta

REVISION: 0

PROJECT COST:

UNIVERSITY: