

Aerospace Project 8

Project	<i>Design of Assembly Jig for Horizontal Stabilizer - UAV</i>
Scope of Work	Design and development of Horizontal Stabilizer for a Unmanned Arial Vehicle
Inputs	<ul style="list-style-type: none"> • Component drawings • Subassembly and Final Drawings • Critical to Quality Dimensions
Challenges	<ul style="list-style-type: none"> • Achieving close tolerance accuracy for critical features
Deliverables	<ul style="list-style-type: none"> • Concept Designs • Manufacturing drawing of the Jig • Prot type
Platform/ Tools Used	<ul style="list-style-type: none"> • Catia V5 • MSC/NASTRAN
Value Addition to Customer	<ul style="list-style-type: none"> • Prototype passed in first fitment test