**Problem Statement**
Design a remote controlled cargo aircraft and predict the aircraft’s payload capacity while complying with the requirements of the competition.

**Motivation**
- Chance to implement engineering knowledge acquired in a real life scenario
- Represent FIU at a worldwide event
- Passion towards the aviation industry

**Objectives**
- Analyze design alternatives to select the best option based on cost, manufacturing time, loads, etc.
- Engage in current research in aerodynamics by performing computational fluid dynamic analysis, wind tunnel testing, and finite element analysis.
- Improve airplane design to obtain results that can increase efficiency in aircrafts.

**Requirements**
- Maximum combined length, width, and height of 175 inches.
- Maximum weight of 65 pounds
- Travel through a predetermined path
- Land and takeoff within a limited runway
- Use a single electric motor
- Have a closed payload bay

**Responsibilities**

**Timeline**

**Team Members**
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