First semester

First team leader: Darcy

Second team leader: Rex

Third team leader: Xinyu

Second semester

Fourth team leader:Pai

Fifth team leader:Wenjun

Sixth team leader:

Discussion:

Brainstorm questions for client:

* 1. Should the “visualizing system” be operating during the flight or on the ground (after the flight)?

1. Could we have a more detailed description of the constraints, including:
   1. What size and shape of cockpit should the device fit in?
   2. Under what temperature and g-force should it survive?
   3. What power source is available? Does the device need to be powered by a battery?
   4. For what duration of flight should it operate?
2. Will the airplane be embedded with INS and AHRS? Will we read this data from an existing INS or AHRS system on the plane, or will we need to create our own INS and AHRS?
3. What are all the ways to observe pilot input and instrument output? Are there any ways to measure these besides mechanically or optically?
4. Will this be used in a specific plane, or should it work in multiple models of planes?
5. How many of these boxes should be created? Will there be one custom-designed one, or will this be a more general product with multiple units produced?

Presentation Outline;

* Problem Statement
* Need
* Proposed Solution
* Requirement - Functionality
* Requirement - Objective
* Requirement - Constraint
* Deliverable
* Visualization
* Competing Technologies/Patens/Other Products
* Comment / Questions?
* Engineering Requirement