Florida Institute of Technology
Department of Computer Engineering and Sciences

Project Name: Peregrine Jet UAV

CSE Team Members:

Anthony Messina - amessina2016@my.fit.edu

Christian Cambron - ccambron2014@my.fit.edu

Nabil Osorio - nosorio2016@my.fit.edu

Faculty Sponsor:

Siddhartha Bhattacharyya - sbhattacharyya@fit.edu

Client:

Kimberly Demoret- Florida Tech Aerospace

Meetings with Faculty Sponsor:

9/4, 9/13, 9/24

Meetings with Client:

9/5, 9/12, 9/19, 9/26

The progress of Current Milestone:

Task	Completion %	Anthony	Christian	Nabil	To Do
1.Investigate tools	100	60	20	20	none
2. Hello World demos	100	40	20	40	none
3. Requirement Document	100	33	33	34	none
4. Design Document	100	33	34	33	none
5. Test Plan	100	34	33	33	none
6. Ensure ardupilot works on Pixhawk4	100	25	25	50	implement
7. Setup required dependencies for ardupilot	100	33	33	34	implement

Discussion of each accomplished task for the current Milestone:

- Task 1: Evaluated IDEs and languages that will be used in our project

- Task 2: Found helpful open source program that will help us achieve our goal
- Task 3: Created a requirement, test, design, and evaluation document
- Task 4: Created the presentation

Discussion of the contribution of each team member to the current Milestone:

- Anthony Messina: Looked into some of the potential software we could use and helped develop documentation.
- Christian Cambron: Helped develop the required documentation and presentation. Looked into possible RC models to test our system.
- Nabil Osorio: Set up all documentation and assigned specific sections of the documentation to different group members. Looked into the main software and IDE.

Plan for next Milestone:

Task	Anthony	Christian	Nabil
1. Set up Pixhawk with basic ardupilot code	20%	20%	60%
2. Test latency of camera	60%	20%	20%
3. Test connection of controllers to Pixhawk	20%	60%	20%

Discussion of each planned task for the next Milestone:

- Task 1: We are going to flash the Pixhawk with the basic code from ardupilot to verify that everything works in proper order.
- Task 2: We are going to see how much of a delay there exists if any from the camera to the ground station based on distance
- Task 3: We will test the connection between the controls and the Pixhawk to make sure they are compatible with one another.

Sponsor feedback on each task for the current Milestone:

Sponsor Signature: _____ Date: _____

Sponsor Evaluation

- **Sponsor: detach and return this page to Dr. Chan (HC 322)**
- **Score (0-10) for each member: circle a score (or circle two adjacent scores for .25 or write down a real number between 0 and 10)**

Anthony	**0**	**1**	**2**	**3**	**4**	**5**	**5.5**	**6**	**6.5**	**7**	**7.5**	**8**	**8.5**	**9**	**9.5**	**10**

Christian	**0**	**1**	**2**	**3**	**4**	**5**	**5.5**	**6**	**6.5**	**7**	**7.5**	**8**	**8.5**	**9**	**9.5**	**10**
Nabil	**0**	**1**	**2**	**3**	**4**	**5**	**5.5**	**6**	**6.5**	**7**	**7.5**	**8**	**8.5**	**9**	**9.5**	**10**

- **Sponsor Signature: _____ Date: _____**