

1. Peregrine Jet UAV
2. CSE Team Members:
 - Anthony Messina - amessina2016@my.fit.edu
 - Christian Cambron - ccambron2014@my.fit.edu
 - Nabil Osorio - nosorio2016@my.fit.edu
3. Faculty sponsor: name and email address
4. Client: Kimberly Demoret- Florida Tech Aerospace
5. Meeting(s) with the Client for developing this Plan: 8/29/2018
6. Goal and motivation: Discuss the overall goal (help make the intended users "happier") and motivation (why are the intended users not too "happy"? limitations/pains of current systems)

The goal is to develop a system that allows for a jet UAV to fly at high speeds and perform flight test experiments. The moti

7. Approach (key features of the system): Discuss at least three key features/functionalities that your system provides for the users to help achieve the overall goal.
 (what features does your system have that can help make the intended users "happier"?)
 (at least one paragraph for each feature, more specific less vague) [e.g. Similar to app descriptions at [Google Play](#), ****NOT**** the underlying tools]
For interdisciplinary/external projects: focus on (identify) separate CSE features/contributions
8. Novel features/functionalities: Discuss which features/functionalities, if any, are novel and why.
9. Technical Challenges: Discuss three main CSE-related challenges (for example, "we plan to use javascript for web programming, but we don't know much about javascript")
10. Milestone 1 (Oct 1): itemized tasks:
 - Compare and select technical tools for A, B, C, ...
 - Provide small ("hello world") demo(s) to evaluate the tools for A, B, C, ...
 - Resolve technical challenges: X, Y, Z, ...
 - Compare and select collaboration tools for software development, documents/presentations, communication, task calendar
 - Create Requirement Document
 - Create Design Document
 - Create Test Plan

11. Milestone 2 (Oct 29): itemized tasks:

- Implement, test, and demo *feature*
- Implement, test, and demo *feature*
- ...

12. Milestone 3 (Nov 26): itemized tasks:

- Implement, test, and demo *feature*
- Implement, test, and demo *feature*
- ...

13. Task matrix for Milestone 1 (teams with more than one person)

| Task | John | Mary | Mark |
|--|------------|-------------------------|------------------------------|
| Compare and select Technical Tools | web | mobile | visualization |
| "hello world" demos | web | mobile | visualization |
| Resolve Technical Challenges | Language X | Algorithm for Y | Algorithm for Z |
| Compare and select Collaboration Tools | programs | documents/presentations | communication, task calendar |
| Requirement Document | write 50% | write 25% | write 25% |
| Design Document | write 25% | write 25% | write 50% |
| Test Plan | write 25% | write 50% | write 25% |

14. Approval from Faculty Sponsor

- "I have discussed with the team and approve this project plan. I will evaluate the progress and assign a grade for each of the three milestones."
- Signature: _____ Date: _____