

T309 - Sprinter Data Collection

Spring Project Plan

The tasks we are required to complete and their speculative due dates for the Spring 2020 semester are listed below. The tasks were made in collaboration with the group members during the Fall 2019 semester and are subject to changes as we go through the semester.

ACTIVITY	DURATION
1. Conceptual Design	4 weeks
2. Business Model Canvas	2 weeks
3. Purchase Equipment	2 weeks
4. Complete Hardware Design	4.5 weeks
5. Create Program	8 weeks
6. Implement code for image / video Processing	6 weeks
7. Implement code for IMU data processing	6 weeks
8. Synchronize video and IMU data:	3 weeks
9. Optimize Program:	3 weeks
10. Test Trials:	2 weeks
11. Make Adjustments:	2 weeks
12. Run final product	2 weeks
13. Create Slides	4 weeks
14. Review	2 weeks
15. Presentation Practice	2 weeks
16. Final Presentation	1 weeks

The following milestones embody a timeline of the tasks that need to be completed in the Spring 2020 semester. The main task is to implement the code for the video processing and IMU (Inertial Measurement Unit) and synchronize them. The final project must be completed by April 26. There is a Gantt chart to help with legibility and provide a visualization of the timeline. There is also an entrepreneurial project, which needed us to enter the Jim Moran School of Entrepreneurship InNOEvation Challenge.

Milestone 1:

- Set up a team meeting to discuss the tasks that need to be completed this semester
- Update Spring Project Plan
- Update each team member's schedule on Google Calendar
- Set up a meeting with the sponsor to discuss the InNOEvation Challenge Stage 2
- Set up a meeting with the advisor

Milestone 2:

- Prepare for VDR4 – senior design presentation
- Finalize Parts needed
- Order parts

Milestone 3:

- Complete advisor and sponsor meetings
- Complete final draft of business model canvas for the InNOLEvation Challenge
- Prepare InNOLEvation Presentation
- Prepare for VDR5 – 2nd senior design presentation

Milestone 4:

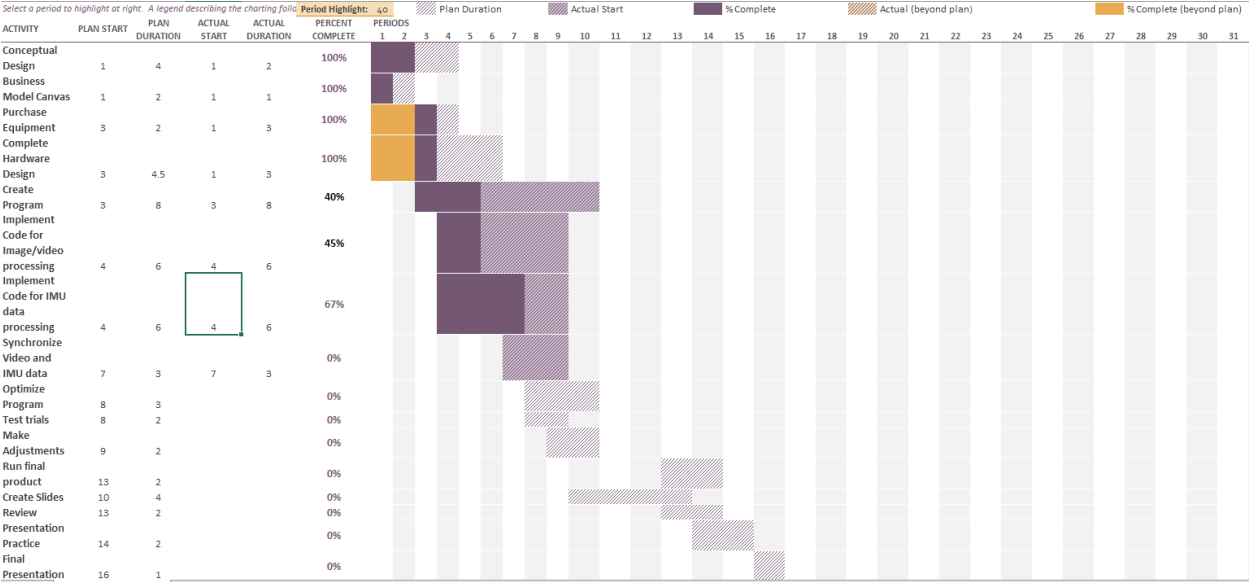
- Complete poster and presentation for Engineering Design Day
- Finalize wireless controller
- Prepare for project demonstration

Milestone 5: April 26

- Complete prototype
- Prepare for final project demonstration
- Complete evidence book
- Push last update to the web page

Project Plan

The following is a Gantt chart for the Spring 2020 semester.



List View of the Gantt Chart