

Milestone 1 Progress Evaluation

1 General Information

1. Project Name: IGVC - Intelligent Ground Vehicle Competition

2. Team members:

- Viet Dung Nguyen (CSE) (dnguyen2016@my.fit.edu)
- Jinwen Zhang (jzhang2015@my.fit.edu)
- John Light (jlight2016@my.fit.edu)
- Sijin Yang (yangs2017@my.fit.edu)
- Peter Tarsoly (ptarsoly2016@my.fit.edu)

3. Faculty Sponsor: Dr. Marius Silaghi (msilaghi@fit.edu)

4. Client: Dr. Ken Gibbs

5. Meetings with the Client:

- 09/13/2019
- 09/27/2019

6. Date of meeting faculty sponsor:

2 Task matrix

Task	Completion %	Viet Dung	To do
Create test plan	100	100	None
Create requirement document	100	100	None
Create design document	100	100	None
Establish best practice	100	100	None
Examine legacy code	50	50	Test the legacy code
Examine options for motion planning	50	50	Decide the algorithm

3 Task Discussion:

- Create test plan
 - The team was able to write the verification plan for each functions of the robot.
- Create requirement document
 - The team was able to write the software specification for the project.
- Create design document
 - The team was able to list the modules of the robot and the control flow.
- Establish best practice
 - The team chose C++ and Python for the project's software.
 - The team was able to chose tools for enforcing the code standard
- Examine legacy code
 - The team has read the code but was unable to test it at the moment due to the conditions of the hardware.
- Examine options for motion planning
 - The team has gather knowledge about motion planning. The algorithm will be decided after verifying other software functions.

4 Contribution Discussion:

- Viet Dung Nguyen
 - Read the legacy code and learn more about machine learning. Find the tools for managing the software standard.

5 Plan for next milestone:

- Test the legacy code
 - Find the replacement parts for the robot to make it functional and test the code from last year project.
- Implement and test obstacle and/or lane detection
 - Read the document on ZED camera and write ROS node(s) for detection functions.

6 Faculty Sponsor feedback on each task for the current milestone:

- Task 1

- Task 2

- Task 3

- Task 4

- Task 5

- Task 6

Signature

Date

7 Faculty Sponsor evaluation:

Viet Dung Nguyen 0 1 2 3 4 5 6 7 8 9 10

Signature

Date