Project Report

3D Mapping using

Image Processing and Machine Learning

Mentors:

Chandravaran Kunjeti

Saikumar Dande

Mentees:

V Kartikeya

Soma Anil Kumar

Research Phase:

* Learning ROS:

Completed installing ROS, learning about nodes, publishers, subscribers, ROS topics, ROS services

* Learning about stereo camera from web:

Have a basic understanding about working of stereo camera

Current targets:

* Complete most of the learning of ROS and understand the working of stereocamera and try to implement camera vision on ROS by 8/11/2020
* After endsems we will start with designing of the bot on fusion-360 and importing it into the ROS so we can start simulating it
* And understanding the alogrithms like bug0, bug1 along with rrt for obstacle avoidance