WORK REPORT SUMMARY

DATE ASSIGNED: 08-04-2019

DATE OF SUBMISSION: 13-04-2019

NAME : T. SANKETH CHANDRA

SUB-SYSTEM: CODING

WRO BOT NAVIGATION:

- Completed code for bot to navigate in the arena avoiding the obstacles and reaching the coordinates provided by the openmv cam.

https://github.com/RoboManipal-9-0/Coding-FirstYears/tree/Sanketh/sanketh_rm/Navigation.

ROS:

- Installed ROS and have gone through topics, nodes,msgs and few tutorials.

PROBLEMS FACED AND CORRECTION

- Avoiding obstacles and also navigating was troublesome by using same function. But used general function for obstacle in any direction.

- By using encoders and ultrasonic sensors we can know the direction in which the obstacle is present and can move the bot by distnace and can avoid the obstacle.