**ASSIGNMENT 7**

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**Integrate the GPS and IMU Gazebo Plugins to the created Two Wheeled Robot.**

For adding GPS and IMU plugins, code was taken from ROS wiki. The two wheeled was constructed with the guidance of the mentor during the internship. GPS plugin was also constructed.

The following is the code for GPS and IMU plugins. IMU is used to measure angular rate, force and sometimes magnetic field.







