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| V2V\_proposal document |
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| February 17  V 2 V  Authored by: Mohamed Adel  : Amir El-Malah |



Vehicle-to-vehicle (V2V) communication enables vehicles to wirelessly exchange information about their speed, location, and heading. The technology behind V2V communication allows vehicles to broadcast and receive Omni-directional messages between two prototypes cars that will made a different mode in automotive field work as Auto Driving System.

The main idea of the project is to control two cars by geroscope sensor

And in other control mode the second car will follow the master car with different communication protocol and the distance between this cars remain constant during the Auto Pilot Mode and some feature to make this mode more safety.

GPS

Ultrasonic sensor

Gyroscope sensor

Lidar sensor

Speed Sensor

STM-cortex m3

ESP8266

(wi-fi module)

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