

# Automated Guided Vehicle using Line Follower with WiFi Control and Monitoring

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**Abstract:** *In warehouses we can find the need of transporting navigation is the significant feature in applications of automated guided vehicles. Various kinds of navigation tools are available based on complexity & accuracy. This automated guided vehicle is a system that follows a particular line present on the ground. The line can be selected with a high contrast colour or with a black colour which is visible. This project includes the above concept and is further advanced with an IoT based system. The position control can be done using an online server.*

**Keywords:** Automated Guided Vehicle(AGV), IoT, Internet of Things

## REFERENCES

- [1]. <https://components101.com/modules/l293n-motor-driver-module>
- [2]. <https://www.fierceelectronics.com/sensors/what-ultrasonic-sensor#:~:text=An%20ultrasonic%20sensor%20is%20an,sound%20that%20humans%20can%20hear>
- [3]. <https://www.elprocus.com/infrared-ir-sensor-circuit-and-working/>
- [4]. <https://www.agvnetwork.com/agv-applications>
- [5]. <https://www.techtonics.in/12v-dc-square-gear-geared-motor-60-rpm-high-torque>
- [6]. <https://robokits.co.in/motors/dc-motor/dc-motor-centre-shaft/60rpm-12v-dc-motor-with-gearbox>