**AUTOMATED GUIDED VEHICLE**

**ABSTRACT**

In real life there may be some situations where one wants to do some tasks automatically. And mostly in communications we used to go for such system which enables the user to do some tasks automatically without the intervention of the man.

Here is a project which is designed to meet the above need. This project forms the prototype which provides a system which automatically guides the direction of the vehicle.

This project is aimed to build a system which manages to guide the direction and hence the movement of the vehicle. This project is able to do this with the help of microcontroller. The microcontroller forms the heart of the project which enables the vehicle to select its direction according to the surroundings.

The sections involved in the project are Microcontroller section, Sensors section, Driver section and direction controller section.

This project will allow the Vehicle to select the direction in which it should move by sensing the surroundings. This intelligent work is done by the microcontroller which forms the control unit of the project. The microcontroller selects the direction in which the vehicle should move according to the surroundings being sensed from the sensor panel.

This project finds its place in places where one wants to have system which is automated in selecting its direction according to the surroundings.

**BLOCK DIAGRAM:**

**SENSORS PANEL**

**MICRO CONTROLLER**

**(AT89S52)**

**DRIVERS**

# MOTOR

**POWER SUPPLY**

**HARDWARE USED:**

* Microcontroller(AT89S52)
* Sensor panel
* Drivers
* Motors
* Power supply

**SOFTWARE USED:**

* Keil
* Embedded ‘C’
* Express PCB
* Express schematic