

MINIPROJECT

SELF NAVIGATING VEHICLE

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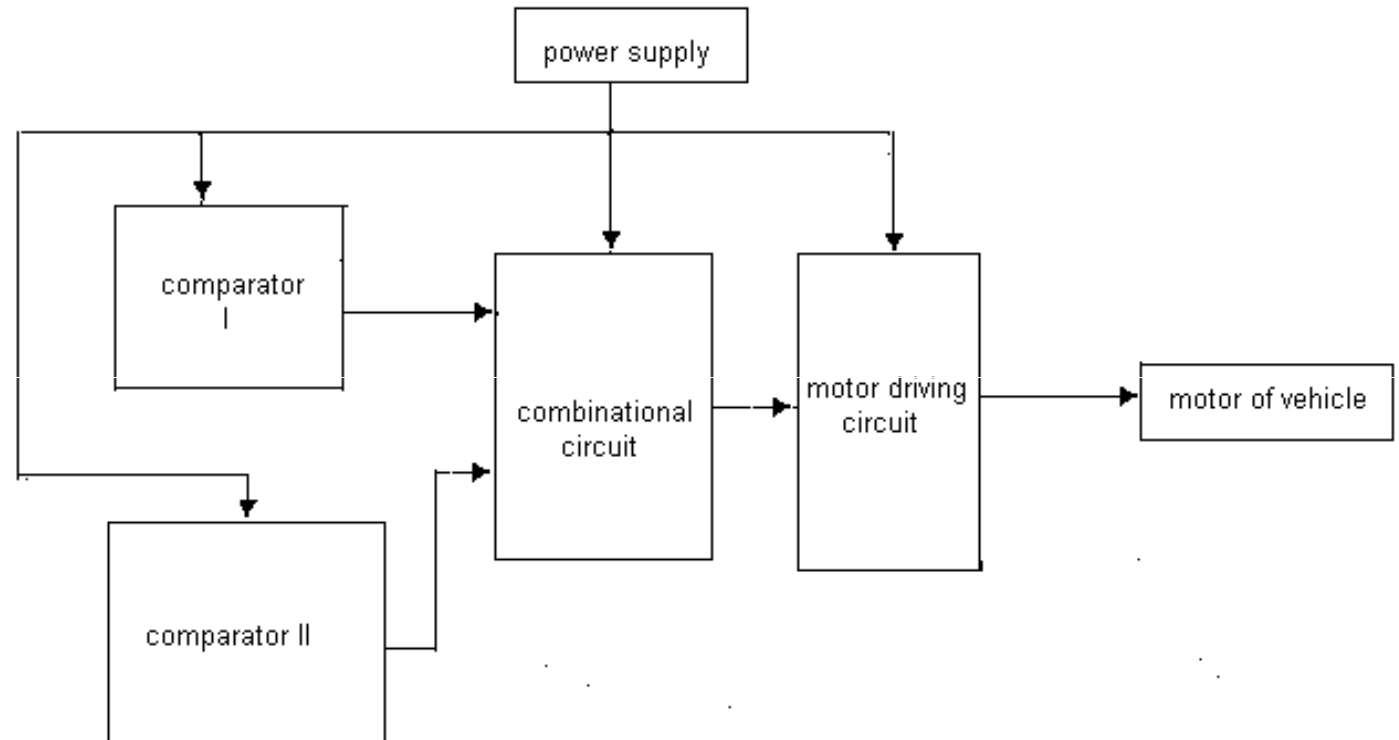
INTRODUCTION

- A driving vehicle can be implemented using a simple circuit. When we use a remote controlled vehicle, a person is needed to control it.
- Here we are introducing **SELF NAVIGATING VEHICLE** which can move without the help of a person. It is selfcontrollable.

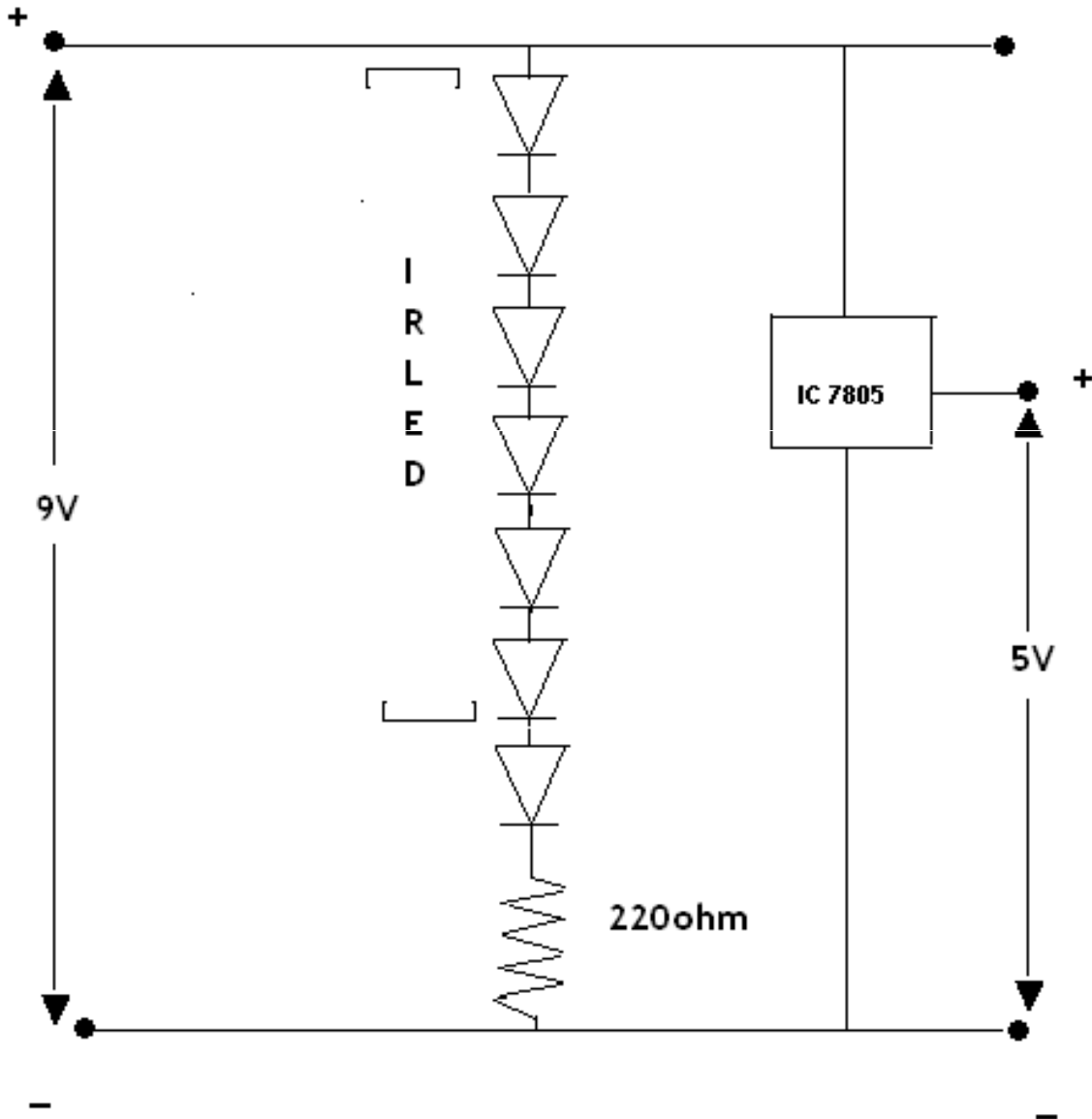
AIM

Self navigating vehicle is a vehicle which covers the obstacle in its path by itself and moves in a particular direction. It changes its direction when there is an obstacle in its path and when the direction is wrong, it turns itself to correct direction.

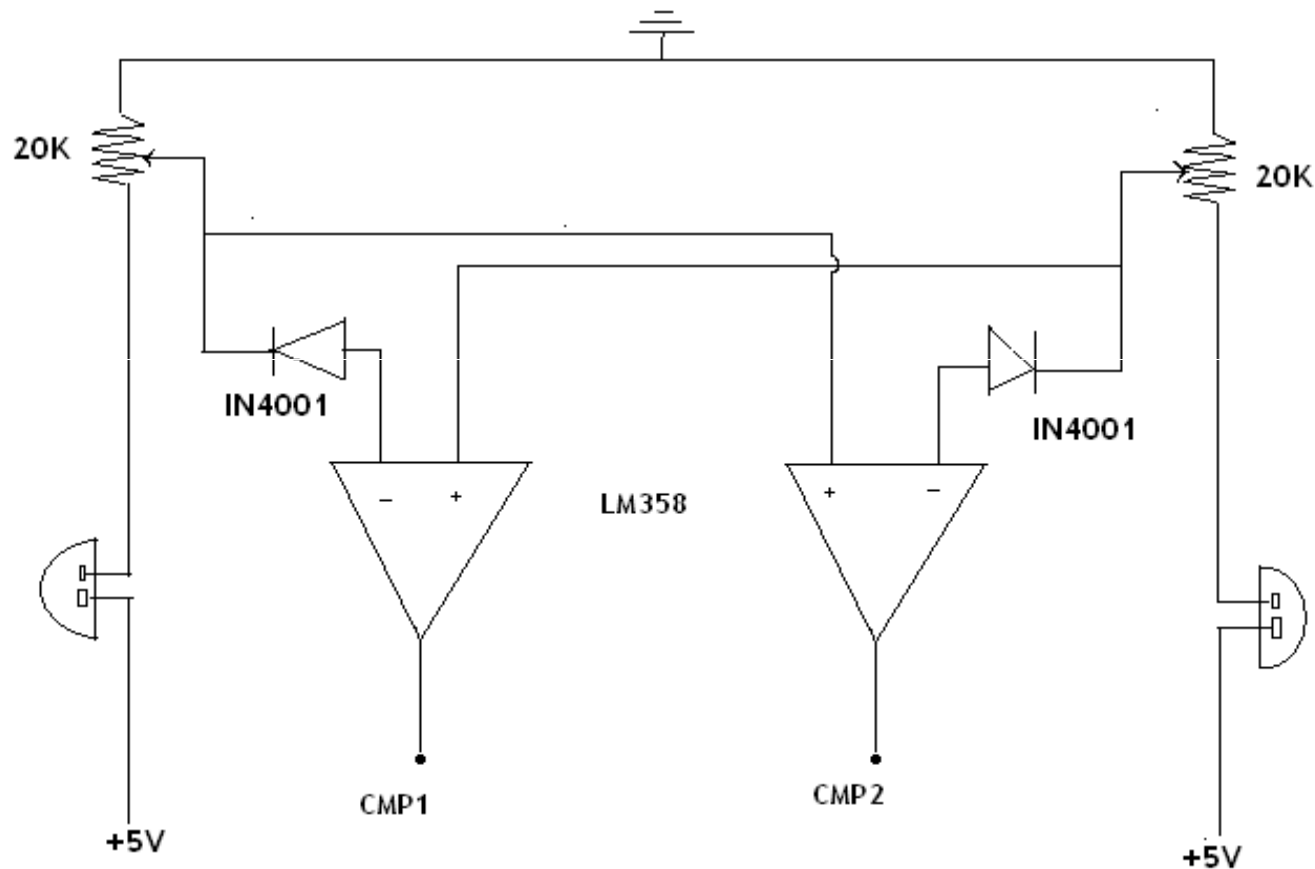
Block Diagram



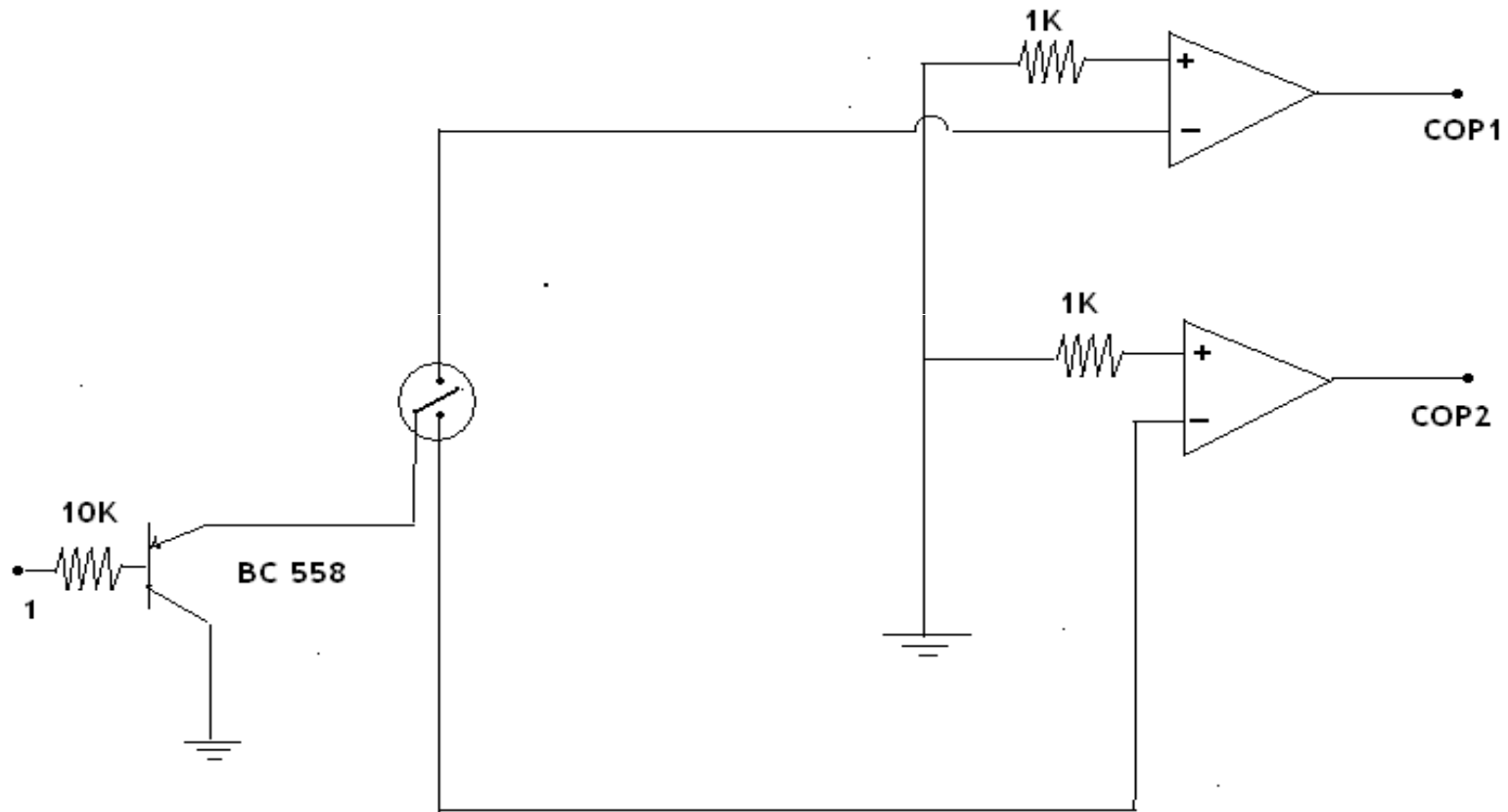
LED CIRCUIT



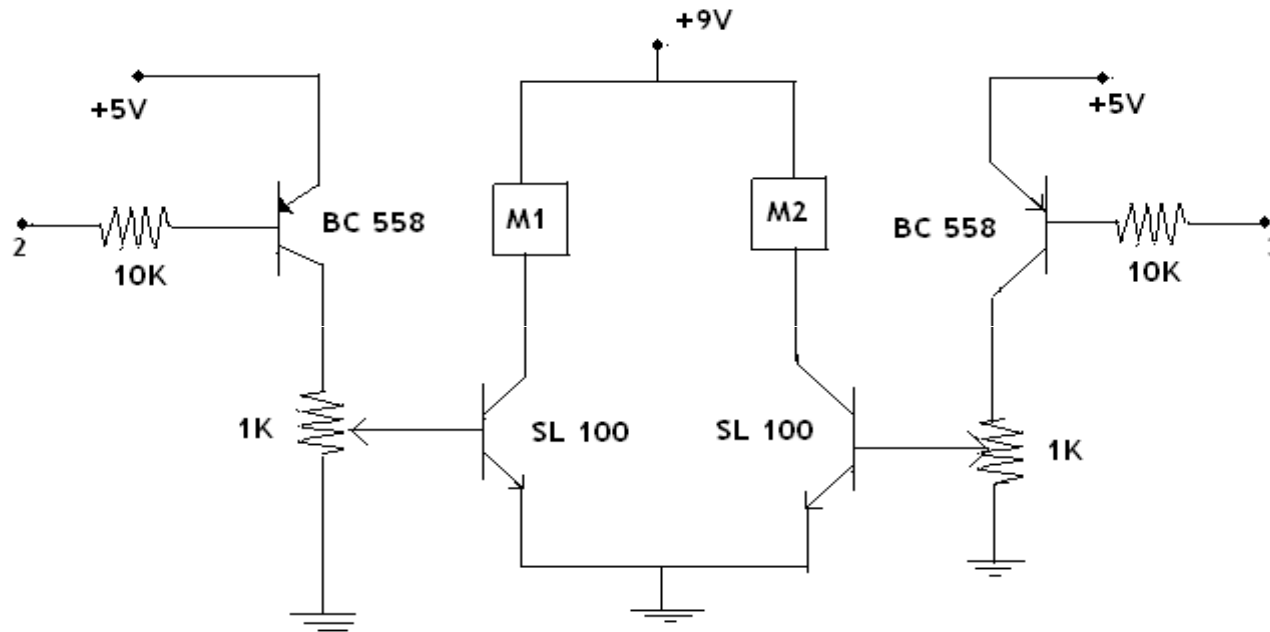
CIRCUIT TO SENSE OBSTACLES



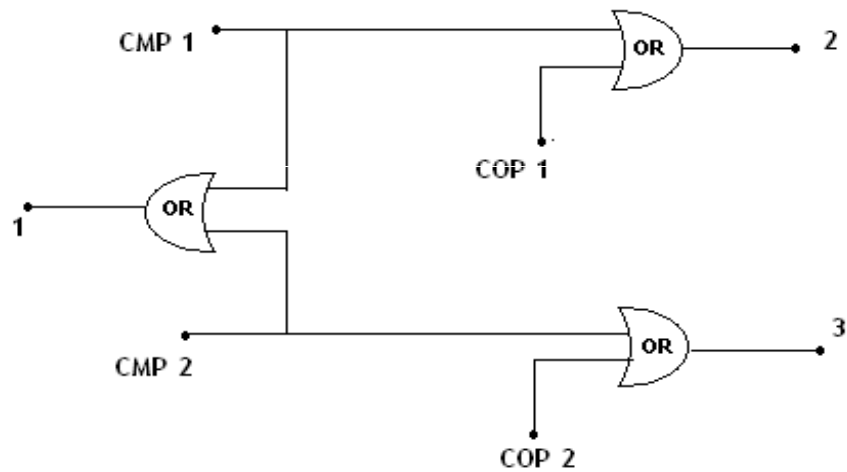
CIRCUIT TO CORRECT DIRECTION



DRIVER CIRCUITS



GATE CIRCUIT



RESULT

Outputs of the led circuit, comparator circuits, driver circuits and Gate circuits are verified. About 70% of the project is completed.