LINE FOLLOWING ROBOTIC VEHICLE

ABSTRACT

The project is designed to develop a robotic vehicle that follows a specific path. This project doesn't require a microcontroller for its operation. A pair of photo sensors comprising IR transmitter and photo diode is used to detect the specified path for its movement.

Line follower robot is a useful robot that is used in ware houses, industries, and stores etc, where it follows a dedicated path. This proposed system of a line following robot fulfils the desired functionality and demonstrates the working of it. It uses a pair of photo sensors, comprising of one IR transmitter and a photo diode in each. It guides the robot to follow a specified path by giving appropriate signal to the switching transistors that drives the motors.

Further the project can be enhanced by using a microcontroller to add intelligence to the robot by writing appropriate program.

BLOCK DIAGRAM