Abstract

Programmable light tracking robot is the basic for advanced world robotic development. This project is programmable microcontroller based brick capable of driving a motor wheel. The project explains the method of interfacing LDR (light depend resistor) with programmable microcontroller PIC16F84 which is used to control the motor operation. We have employed Hi-tech C compeller of PIC 10\12\16 in programming our microcontroller. A sample robot which can move to built for demonstration.

The project is to demonstration the utilization of robots and their efficiency in our globalizing world. Robots are utilized everywhere in different type and style for different purposes. In our innovation world the advantage of robots is becoming more efficient and more accurate robotic vehicles can facilitate transportation from source to destination and avoid any human injury. It can resolve manual power the time required to move and the efficiency can be improved. The accuracy and resolution using this robot is efficient and greater.

This project consists of a control system of LDR sensors that can control robotic motors for motion. The description shows some information about the robot and techniques ways to extend the control. The main purpose of our project is to demonstrate the efficiency, accuracy and minimizing time consumption using robots. In our globalizing world the utilization of robots is becoming faster, more economical and efficient. So the high light of our project look like the above little hint and enjoy the next description.

Acknowledgements

First of all we would like to thank our God to finish this program and this project successfully.

And also we would like to thank to the department of electrical and electronics engineering for their cooperation and bringing materials on time to perform our project .We also thank to our advisor Mr. C.K.Jayadas and other teachers for their help and guidance. We also thank to Eng Mussie our project co-coordinator and Mr. Ganesh for extending their help.

TABLE OF CONTENT

Figures: