

Line Follower Robot Project Report Details

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Line Follower Robot Project Report

A Line Following Robot is an autonomous robot which is able to follow either a black or white line that is drawn on the surface consisting of a contrasting color. It is designed to move...

(PDF) PROJECT REPORT LINE FOLLOWING ROBOT

INSTITUTE OF TECHNOLOGY& MANAGEMENT,GWALIOR (M.P.) DEPARTMENT OF ELECTRONICS & COMMUNICATION CERTIFICATE This is certified that the Project entitled LINE FOLLOWER ROBOT is the record of bonafide work done by ROHIT DADORIYA (0905EC 131137), RISHABH GUPTA (0905EC131132) and PUSHPENDRA RAGHUWANSHI (0905EC131125) under my guidance for the partial Fulfillment of the requirements for the award of the degree of "Bachel or of Engineering."

Final report of line follower robot - LinkedIn SlideShare

1. Introduction:1.1. About The Project: For my final project, I decided to make a line-follower robot. This simple robot is designed to be able to follow a black line on the ground without getting off the line too much. The robot has two sensors installed underneath the front part of the body, and two DC motors drive wheels moving forward.

Line Follower Report | Capacitor | Resistor

Page 5 of 32!!! Design!Criteria!

Byevaluatingthe!needs!of!the!main!demographic!(theelderlyandphysically impaired/disabled),andthepurposesoftherobotanditsfunctions ,the

Project:LineFollowingRobot

The line following robot, operates as the name specifies. It is programmed to follow a dark line on a white background and detect turns or deviations and modify the motors appropriately. The optical sensor is an array of commercially available IR reflective type sensors. The core of the robot is the PIC 16F873 microcontroller.

Line Following Robot (Electronics Project ...

For my final project, I decided to make a line-follower robot. This simple robot is designed to be able to follow a black line on the ground without getting off the line too much. The robot has two sensors installed underneath the front part of the body, and two DC motors drive wheels moving forward.

A Line-follower Robot - University of York

A Line follower robot is an electronic system that can detect and follow the line drawn on the floor. Generally, the line is specified a predefined path that can be either visible like a black line...

(PDF) Development and Applications of Line Following Robot ...

CERTIFICATE This is to certify that Priya Hada, student of B.Tech. in Electronics and Communication Engineering has carried out the work presented in the project of the Training entitled "LINE FOLLOWER ROBOT" as a part of third Year programme of Bachelor of Technology in of B.Tech. in

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Electronics and Communication Engineering from Amity School of Engineering and Technology, Amity University Rajasthan, under my supervision.

Final report on line follower - LinkedIn SlideShare

Line follower is an autonomous robot which follows either black line in white area or white line in black area. Robot must be able to detect particular line and keep following it. For special situations such as cross overs where robot can have more than one path which can be followed, predefined path must be followed by the robot.

Line Follower Robot - Electronic Projects, Electrical ...

March 20, 2017 By Anusha 76 Comments. A Line Follower Robot, as the name suggests, is an automated guided vehicle, which follow a visual line embedded on the floor or ceiling. Usually, the visual line is the path in which the line follower robot goes and it will be a black line on a white surface but the other way (white line on a black surface) is also possible.

Arduino Line Follower Robot - Electronics Hub

Concept of Line Follower Robot The IR sensors are key player in this project. IR sensors are placed in front side of the robot to track the drawn black line and the surface. The robot is placed in between the line and with the help of IR sensors the robot keeps track of the line.

Line Follower Robot Using AVR Microcontroller ATmega16

Well, guys this is one of the project that never gets old. This was the first thing I did when I started learning about Arduino. An Arduino Line Follower Robot - A Line Follower Robot Using Arduino UNO and IR Sensor, which follows a line without user interaction. A small autonomous robot which will "see" and follow the line and take decision when it sees a turn by itself.

Line Follower Robot Using Arduino UNO and IR Sensor ...

Line follower Robot is a machine which follows a line, it may be a black line or a white line. Basically two types of line follower robots are: one is black line follower which follows black line and second one is white line follower which follows white line. Line follower actually senses the line and run over it.

Line Follower Robot using 8051 Microcontroller: Project ...

A line follower robot using 8051 microcontroller is already published in CircuitsToday and this time the same project is rebuilt using arduino. This line follower robot is basically designed to follow a black line on a white surface. Any way the same project can be used to follow the opposite configuration with appropriate changes in the software.

Build A Line Follower Robot using Arduino in 10 Minutes ...

Line follower robot senses black line by using sensor and then sends the signal to arduino. Then arduino drives the motor according to sensors' output. Here in this project we are using two IR sensor modules namely left sensor and right sensor. When both left and right sensor senses white then robot move forward.

Line Follower Robot Arduino - Arduino Project Hub

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Line Follower Robot Presentation | Microcontroller | Pic ...

Line Follower Robots - Controlling, Working Principle and Applications A brief introduction to a robot: A Robot is any machine which is completely automatic, i.e. it starts on its own, decides its own way of work and stops on its own. It is actually a replica of human being, which has been designed to ease human burden.

Line Follower Robot with Circuit Diagram Explanation and ...

About this project This is part of a school project for Projects I class. It's basically a black line follower robot that is capable of stopping in front of an obstacle or reaching the end of the route (symbolized by when both line sensors detect a black line). The vehicle can listen to a command

received by the serial to start or stop the route.

Line Follower Robot with Obstacle ... - Arduino Project Hub

robot with the following design:

- Using 6 panels of sensors, capable of detecting flame sources in a 360 degrees fashion. A lot of the older projects seem sluggish, in that they have to stop, spin around to find the flame, and continue on in that direction for a small amount of time, stop and spin around again
- Use Servos or DC motors

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