LINE FOLLOWER

DESCRIPTION:

Line follower is one of our beginning project for working with ic’s which will pave our way for working in embedded system and for our future projects also, as we started our project with a small ideas and the small knowledge over line follower about the working , but when we start working out, we had a huge exposure and gathered several knowledge, we also proudly says that our college faculties and our respective H.O.D encouraged in all the ways to reach our project, the main objective of the line follower is to follow the line ,by our project we had made to follow black line on white track and by using the basic programing skill which we studied we had implemented it and also the setup for our project is took by our childhood toys and also the line is followed by means of the motor attached at the back, by using I.R sensor the line is traced and with the help of motor in the traced direction it’s start moving and also by the direction of line the robot starts moving, thus from this line follower we had acquired several knowledge on PIC and IC’s and also our ultimate goal is to make our line follower as an line maze solver , ass soon as possible.

BILL OF MATERIALS:  
►IC

►Base

►I.R

►Jumper cable

►Board

Duration:

We are splitting our project work into two directions

1.Hardware – 8 days

2.Software \_10 days

And atlast for trail and execution 2days . so totally we spent 20 days on this line follower for executing.

Problems faced:

Since we are new to the PIC, we came to know about the programs to be handled using a trainer kit and how to upload and execution , we had a clear idea, also by working out we came to know how to handle at high speed , and for the turnings how to control the speed, and atlast we found a solution as a pulse width modulation and also how to implement in our program and executed successfully, thus through the experience and knowledge acquired gave us a thought to make it as a line maze solver and also we are also on the next stage for going ahead.

THANK YOU