

Control Systems Lab

Experiment No – 3

Line follower

Aim

Design and implement a PID controller for the Spark V robot to make it follow a continuous track, using the IR sensors provided on the robot for this purpose.

Objectives

To trace the track within 30 seconds.

Prerequisites

AVR programming, PID control logic

Materials/ Equipments required

Spark V bot, Spark V charger, ISP programmer, A-B cable, Screw driver.

Track

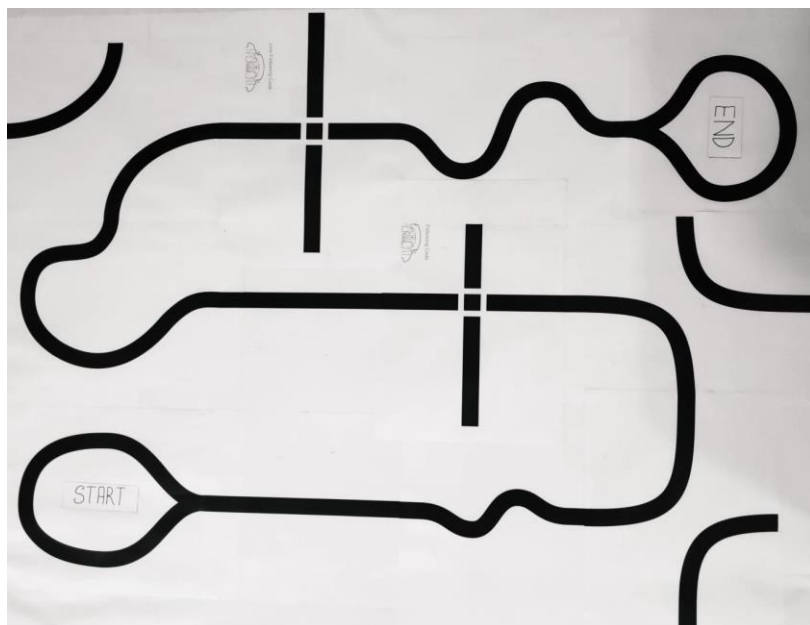


Fig: Design of the track to be traced