

LINE FOLLOWER

The line follower is a self operating robot that detects and follows a line that is drawn on the floor. The path consists of a black line on a white surface (or it may be reverse of that). The control system used must sense a line and maneuver the robot to stay on course, while constantly correcting the wrong moves using feedback mechanism, thus forming a simple yet effective closed loop System. The robot is designed to follow very tight curves.

Training Contains

- Novaboard
- IR sensor
- DC Motor
- 9 Volt Battery
- Battery Connector
- Robot Chassis with wheel
- Connecting wires

About course

Module 1	Line follower Robot <ul style="list-style-type: none">➤ Introduction of the project➤ Application
Module 2	Introduction of Novaboard <ul style="list-style-type: none">➤ Description of Microcontroller➤ Basic programming In Novaboard
Module 3	Robot Design <ul style="list-style-type: none">➤ Building Chassis➤ Attach Motors & Wheels
Module 4	How does Robot Move <ul style="list-style-type: none">➤ Interfacing of motor into Novaboard➤ Motor Programming in Novaboard
Module 5	Circuit Making of IR Sensor <ul style="list-style-type: none">➤ Photodiode and IR Led➤ Comparator IC (LM 358)
Module 6	Interfacing of IR sensor to Novaboard <ul style="list-style-type: none">➤ How to read analog and digital values
Module 7	<ul style="list-style-type: none">➤ Programming of Line follower Robot Using Novaboard
Module 8	Testing of Robot <ul style="list-style-type: none">➤ Upload project video➤ Download certificate

