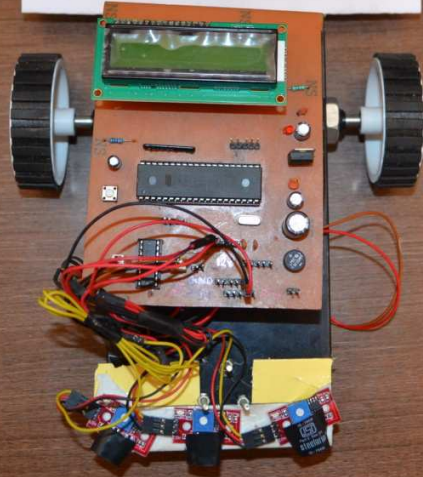


PATH FINDER ROBOT
OBSTACLE DETECTOR

- ① MANJEET S. RANA
- ② PANKAJ S. RAJPUT
- ③ VISHNU RAJPUT
- ④ BHANUPRATAP RAJPUT
- ⑤ SOURAV YADAV
- ⑥ BHUPENDRA YADAV



ABSTRACT

This robot is one of the self operating robots that follows the path & change its direction

When some obsticals on the floor. It captures object position with optical sensors mounted on four sides of the robot. Most are using several numbers of photo-reflectors, and some leading contestants are using an image sensor for image processing. The object sensing process requires high resolution and high robustness.

Our project is based on the concept of interfacing of infrared sensors with microcontroller. We are using DC motors to run car system which follow any predetermined path. Infrared sensors may sense object position and may produce output corresponding to that microcontroller takes decision and allot instruction for the left-right movement of car system. In this way car system follow path with no obstacle & avoiding collision.