IJARSCT



International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)

Volume 3, Issue 2, February 2023

Autonomous Robot using MCS-89C51

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Abstract: This project is basic stage of obstacle avoidance robot. It deals with a obstacle detection, this method performed by a robot using a sensor and a Microcontroller. After detailing our detection strategy and implementation of the developed sensor with our robot. It has infrared sensor which are used to sense the obstacles coming in between the path of robot. It will move in a particular direction and avoid the obstacle which is coming in its path. The contest is to build a small microprocessor-controlled robot vehicle that is able to navigate its way, through an unknown terrain, to the target in the shortest possible time.

Keywords: Robot, LED, IR sensor

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DOI: 10.48175/568