

ABSTRACT

Today, the technology up to automatically step because of there was so many devices and semiconductor was found. Example: robotic.

The Robot has become a standard device for many kinds of industries, home industries, middle industries, or massive industries. The usage of robotic for industries can increase the product significantly. Example line Follower Robot, this is robot that designed to detect line on the floor, then move according to line pattern. This robot usually used for massive industries as a conveyor of goods from one place to other place. At the car company, this robot used to transport the frame of car.

This final project will try to make a LINE FOLLOWER ROBOTIC BASED ON MICROCONTROLLER WITH RE-RUTE ABILITY. This robot can follow the line (straight line or deviation line). Besides, this robot also can detect obstacle, so the robot can look for a line without obstacle. This robot consists of three main elements. They are physical construction, electronic circuit, and software to control the robot.

Keywords : robot, line follower, re-route, ATMEGA8535, sensors