

# LINE FOLLOWING ROBOT

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## ABSTRACT

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This project paper is about the Line Following Robot, its construction and the possible outcomes that it can produce. Advantages and disadvantages of this queuing system are included.

In this project, the prototype's scope of knowledge is divided into 2 parts: hardware and software. An Atmel microcontroller, AT89C2051 is used to control the whole operation of the machine and a quadruple half-h driver, L293D is used as a bridge to connect the both the dc motor to the microcontroller which actually acts like a switch.

Programming language such as Assembly Language is implemented in this experiment. After building the Assembly Language, it is converted to the machine language before downloading into the microcontroller.