

### 3 WHEELS ROBOT

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## ABSTRACT

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In this report, it is about the conceptual design of a 3 wheels robot which can avoid obstacles. The body of the report includes a introduction which will give a good briefing and description of the robot. After the introduction, it will come to the construction part of the robot. Inside it, it will discuss dhow the robot is constructed, materials and components used. Mainly project includes a lot of electrical parts, so it will be more detailed in electrical parts. Pictures and diagrams will be shown at the part of illustration, in order to make the report more interesting and easier to understand for people.

In the later part of the report, it talks about the process taken during research, problems encountered, suggestions and some simple calculations. Since planning is very important, so the grant chart will show the process from the beginning of the semester until week thirteen. Some basic theory such as the H-Bridge theory and the Microchip (PIC 16F84A) will be explained briefly in the report too. Limitation and improvement will be also stated and pointed out in the report.

In the last part of the report, it includes a conclusion, where to summarize the important points in the project. Before the report ends, the appendix and reference are attached together at the back of the report. Lastly I hope people who read this report, mat understand the concept of my project and gain knowledge from it.