

BIPED WALKING ROBOT

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ABSTRACT

This project report will show and explain the overall description of the project. This includes the processes of fabricating the robot structure, the design of the robot, flow charts, mechanical & electronic components, circuit design and the movement of the robot. The project title that I'm doing is BUILDING A BIPED WALKING ROBOT.

This robot looks very similar to a human and therefore also has the name humanoid. The movement of the robot will be the same as normal human walking. The greatest challenge of this project is to maintain the stability of the robot to ensure it does not tip over while standing or walking. Further detail will be clearly explained in the body of this report. Some pictures and diagrams will also be included in this report to have a clearer view of the robot.

This report consists of the 3 parts which are the introduction, body and conclusion. In the introduction, it includes some background robots and the general idea of the robot. In the body, detail data and calculations are provided and also the design of the robot and reasons of the design will be included. In the conclusion, the summary of the whole report is there, followed by the references and appendices to help those who are interested to know more about the components of this project.