

# DESIGN AND FABRICATION OF A MULTIFUNCTIONAL WHEELCHAIR

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## ABSTRACT

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This Project, titled “The Design and Fabrication of a Multifunctional Wheelchair” is aimed to be user friendly, lighter and easier to use. This design can only be used by people who are not having amount of weight over 100kg

Unlike the normal electrical wheelchair, which is slightly heavier and battery life is shorter. Besides, it has a normal rectangular PVC seat which is not that comfortable when used by users. With this new design of the wheelchair, it is lighter, and more convenient to those who want comfort as first priority.

With the respect to the format of the final project report, a format which can allow readers to understand clearly what the project is all about. This report has been divided into a few parts. This report will consists of the divided parts such as introduction, constructions, results and analysis, problem and conclusions.

Readers should get a clearer view and understanding of what this project is all about and the idea behind it after reading this report. The reader will have the opportunity to understand deeply and in details of how will be the system work, the progress of making it and general idea of it. Everything will be explained step by step to make sure readers understand. The required appendices will enhance the level of understanding of our project are also included in this paper.