



**FACULTY OF ELECTRICAL ENGINEERING
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ENT600

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COMPANY'S LOGO



THE ROCK SDN.BHD

High performance, we delivered..

CHAPTER 1

1.0 PRODUCT DESCRIPTION

1.1 Introduction

After conducting initial study towards available shoe rack design on market, the team had chosen a product that can give advantage to individual and household. Our product is called Rock. Rock has the abilities to store, wash, dry, and groom your shoes. Nowadays, individual yet family are very busy with their works and social life; ergo they did not have much time to manage or take care of their shoes. Especially when it comes to a person demands extra shoe care. This product is suitable for career's person or a family who has children.

1.2 Purpose of development

The main purpose of inventing this product from a normal shoe rack is to ease the target from having much trouble with shoes matter. User can either to have options to store, wash, dry, groom or all of them.

1.3 Product Concept

- User friendly
- Minimize money spends on grooming shoes
- Less time taken for shoes to fully dry
- Stylish design follow current trends

1.4 Application

1.4.1 Functions

- Motor- Motor used to rotate the rack to sections; wash, dry, groom, and store.
- Water sprinkler – Water sprinkler will wet the shoes with bubbles.
- Brush- Used to clean the unwanted dirt on shoes.
- Air blower- Air blower will release hot air to dry the shoes after washing process.
- Sponge – Use to polish leather or white canvas shoes.
- Liquid Crystal Display (LCD) - To display the process.
- Buttons – As a menu for user to choose the process at one time