UNIVERSITI TEKNOLOGI MARA

SLICK & SHINE SEMI-AUTOMATED SHOE CARE

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ABSTRACT

Teenagers frequently remain at the forefront of this modern with new fashions and trends. Shoes are accessories that capture the spirit of the culture and the individual. Although teenagers prefer to show off their stylish footwear, maintaining the shoe's shine is challenging. It is because brushing away with polish to remove stains makes people lack manual polishing. The objective is to keep the polishing process simple and guarantee the shoes come out spotless, avoiding moisture and even scent fresh. Moreover, the network of sensors and modern types of equipment are positioned to detect every polishing phase. A light pre-treatment helps dry the shoe after deep polishing. A slight scent offers a finishing touch, so every shoe is a shining and refreshing perfume.

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CHAPTER ONE
INTRODUCTION

1.1 Background of Study

Since the dawn of humanity, shoe polishing has been a universal custom. A shoe is a type of footwear designed to keep the human foot comfortable and safe while performing different tasks [1]. Traditional techniques for polishing shoes usually involve applying polish by hand with brushes, towels, clothes, and other instruments. Next, leather needs continuous polishing because it is frequently used as the surface of shoes. This will shorten the shoe's life [2].

Furthermore, polishing will involve a lot of effort and time. There has been a growing demand for automated solutions to save time and less effort as societies have become busier and urbanized. This device uses motors and controls to operate the shoe polishing process, producing trustworthy, successful outcomes. This machine's function includes putting a layer of polishing wax all over it and buffing it to give it a shiny appearance while causing the least amount of damage possible [3].

To accomplish a superior finish and pleasant aroma, the dryer and scent will also be added as well to this project during the polishing procedure. This system helps to reduce waste from manual shoe polishing techniques, such as using too much polish and waste towels.

1.2 Problem Statement

1) Time-consuming - Manual polishing can take a lot of time.
2) Laborious task - The arms and hands might quickly fatigue from the frequent actions of brushing and the pressure.
3) Complex stitching textured leather, and deep details - Hard-to-reach regions that need more time and effort, which can lead to inefficiencies in manual shoe polishing.