



COMPANY'S NAME: OT INNOVATION SDN.BHD

NAME OF THE INNOVATION: MARVEL PERSONAL CARE STATION

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COMPANY'S LOGO



CHAPTER 1

1.0 PRODUCT DESCRIPTION

1.1 Introduction

The innovation is Marvel Personal Care Station, a mobile trolley of personal hygiene kits, which also included automatic water supply, to be used by hospital staff, care giver of bed ridden patient or the patient themselves.

1.2 Purpose of development

The purposes of the product development are:

1. To enable bedridden patients to carry out personal hygiene activities on beds.
2. To allows staff to run patient hygiene care routine alone.
3. To ensure that the bedridden patient is always in good hygiene and to avoid the illness caused by the poor personal hygiene

1.3 Product Concept

- For bedridden patient performing personal care hygiene on the bed.

1.4 Application

1.4.1 Functions

Marvel Personal Care Station (MPCS) is an automatic trolley complete with basic personal hygiene care equipment and clean water source. MPCS can be used for facial, and body parts cleansing on the bed. In addition, activities such as shaving, oral hygiene and hair washing can also be carried out from the bed only. MPCS Can be used equally with staff, patient's care giver and patients themselves.

1.5 Unique features

The uniqueness of the product for availability in Malaysia market consists of:

By using a combination of motor gear system, and GPS navigator, Marvel Personal Care Station (MPCS) is an automatic moving device from one place to another. GPS navigator is used so that MPCS can move right to the destination, moreover, ultra-sonar sensors are mounted at the front and back of the MPCS to detect and prevent the barrier when it is moving, therefore MPCS can move well.