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LESS CONSUMING WATER MOP

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Abstract

In this project we are introducing "LESS CONSUMING WATER MOP" is a mop which is used to reduce water wastage and making cleaning work easier .The mop itself release water according to our control by using tap system ,which prevents the wastage of water. Mop handle should be non rusted and long lasting and this can be maintained by using C p v c (CHLORINATED POLYVINYL CHLORIDE)which is strong and durable. Reduces hard work of carrying bucket of water with us.We can connect mop to the external water tap by water passage pipe ,if there is large area of floor cleaning and carrying of water bucket is not required .It can be use at home ,hospitals, working areas etc.

1. INTRODUCTION

The problem "LESS CONSUMING WATER MOP" is selected to reduce the wastage of waterand to avid the carriage of bucket while cleaning. A mop is a mass or bundle of coarse strings or yarn etc.attached to a pole or stick.It is used to soak up liquid ,for cleaning floors and othe surfaces ,to mop up dust,or for other cleaning purposes .The first mop was invented in 1893.We have different types of mops to choose from.We have lot of options when it comes tocleaning of our floors.

FEW TYPES OF MOPS:

1-Flat mops
2-Sponge mops
3-Dust mops
4-String mops ,etc…..

In this project ,we have designed simple project called "LESS CONSUMING WATER MOP" for the development of string mops,where the water is sent directly into the mop to avoid carriage of bucket of water.

2. RELATED WORK

We all know that mop is used for cleaning floors and other surfaces .We know there are many types of mops can be used for cleaning of floors ,but we are talking about cut end mop or string mop.In this the mop is like a heavy thread profile ,this mop is basically used for the cleaning of wet and dried floors by dipping the cloth type thread into the water .On behalf ofcommunity we identified few problems at working areas, Educational institutes, hospitals, etc to the floor cleaning workers that they need to carry the bucket along

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with them while cleaning the floor and we noticed that water is wasted after the usage of it. Out of all these problems we have decided and choose to make a "LESS CONSUMING WATER MOP".

Abhishek Pandey, Anirudh Kaushik, Amit Kumar Jha, Girish Kapse, it had taken a technological Survey on autonomous home cleaning robots that while the robot is cleaning, it avoids steps (or any other kind of drop-off) using four infrared sensors on the front underside of the unit. These cliff sensors constantly send out infrared signals, and robot expects them to immediately bounce back. It performs (and repeats) the sequential actions of backing up, rotating and moving forward until it finds a clear path [1]. • Anusha PB, Disha Shetty, Reshma Marina D'Almeida, Shramika, Chaithra Shetty, has discussed the idea of LABVIEW Operated Robotic Vacuum Cleaner that described the concept has proven to be an efficient way of saving time and helping physically disabled people. This system is especially beneficial for working women and user can switch on the device and go for any other work and the cleaner robot will automatically clean the floor by detecting and avoiding the obstacles or hurdles on its way. My-Rio can be easily used to modify and enhance the various capabilities of any robot evolving its capabilities to explore new pathways of working efficiently [2]. • Jens-Steffen Gutmann, Kristen Culp Mario, E. Munich Paolo Pirjanian, has discussed the social impact of a systematic floor cleaner that using the Mint cleaner as an example. The product is in operation in several hundreds of thousand homes with very positive feedback from their owners. In this, there are indications that systematic cleaning has utility and that people are comfortable in adapting their homes to accommodate robotic cleaners including setting up accessories that help

3. IMPLEMENTATION

As we have gone with the need statement ,we gone through a literature review so that we can know what exactly our working model must contain,what kind of updates it should have.While going through this process we came across constraints like:

The solution for this problem is "LESS CONSUMING WATER MOP" is selected to save the

water and to reduce the work by avoiding carriage of bucket.

Objective

1-It must be used by everyone.

2-The cost must be economical.

3-Easily portable.

4-Water is used as per our requirement.

Methodology:

The mop is assembled to the CPVC pipe by using bolts and nuts, and tap controller is attached to the pipe where the long tube is connected between mop and a controller. Connection is done to the water controller button and water container .Water flows from the container into tap controller and by push button the water passes through the long tube and finally into the mop.

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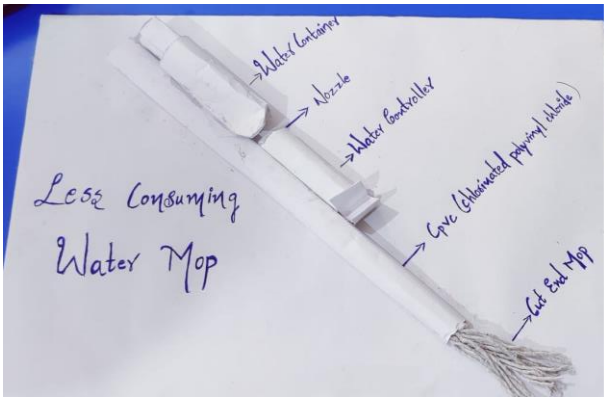
4. EXPERIMENTAL RESULTS



Paper Model

Proposed Solution Model Business Model

5. CONCLUSION

Here by we conclude that our less consuming mop reduces the wastage of water and work will be easier to handle."LESS CONSUMING WATER MOP" can be used in the following areas:

1.Household
2.Malls
3-Hospitals
4-Educational institutions
5-Office

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