

BRUSHELLA

¹G.KARTHIK REDDY, ²K.SATHISH, ³P.MAHESH BABU, ⁴N.ANKITHA, ⁵B.SACHIN

¹Asst. Prof, Dept. of ECE, CMR COLLEGE OF ENGINEERING & TECHNOLOGY

²Asst. Prof, Dept. of MECH, CMR COLLEGE OF ENGINEERING & TECHNOLOGY

³Asst. Prof, Dept. of MECH, CMR COLLEGE OF ENGINEERING & TECHNOLOGY

⁴⁻⁵B-TECH, Dept. of CSE, CMR COLLEGE OF ENGINEERING & TECHNOLOGY

Abstract

In this rapid growth of covid days people are facing unknown diseases. But most of the essential problems are due to water drinking, we may prevent these diseases at our home by using water purifier, but every home can't provide water purifier. The basic problem was, water will be supplied by water plant stations now a days in cities those water cans should be cleaned properly for our drinking purpose, most of the cleaning of water cans will be done manually, as the person may get tired of cleaning those cans and many not clean it properly. By these circumstances we came up with the rotatory cleaning brush which make less usage of man power so they may not get tired and do their work successfully and do not put people in danger diseases.

1. INTRODUCTION

It's hard to cope up with the household works . After having a search on the existing solutions we have come to an conclusion that housewife's are feeling uncomfortable to clean the bottles, cans ,tins etc . As the space is so small and our hand can't just fit in that so that we can clean them instantly . By this take we thought to have some alternative to invent a brush which can spread over as required and this brush tool is controlled by a button to make its functions.As the above selected problem deals with the domestic

purpose which is mainly faced by the housewives who engage themselves with the household works which accurately deals with cleaning action . water is the actual and basic source which is most stressed out need and cleaning the water containers requires need some specific tools as our hand can't just fit in the tins it's not possible to clean the tins .Cleaning the tins requires a thin brush with a wide specificatons which have a great impact on the model.As the aspiration levels of the people increasing they refer for many specifications for a single bit Our

Brushella is a specified one which can reach out the aspirations levels of the common people

2. RELATED WORK

The literature studies the various technologies that are used worldwide in the brush concepts cleansing system. Various authors have done various things with floor cleaning machine from automizing it completely to making it ecofriendly and easy to use. Some have robotized the process by using of AI and some have used custom fabrication to fit various needs of cleaning like wet or dry cleaning. But one thing in common with all machine was the goal to reduce the overall cost and increase the ease of using the machine in multipurpose ways. In future the scope is a fully autonomous cleaning machine which could perform several cleaning tasks and run on various ecofriendly power like solar or wind energy without need of human interventions.

<https://images.app.goo.gl/gXLAQAxpkkttBvAJ8>
<https://images.app.goo.gl/hDP8qdwoNjPX1rDT9>
<https://images.app.goo.gl/hDP8qdwoNjPX1rDT9>

3. IMPLEMENTATION

It's hard to cope up with the household works . After having a search on the

existing solutions we have come to an conclusion that housewife's are feeling uncomfortable to clean the bottles, cans ,tins etc . As the space is so small and our hand can't just fit in that so that we can clean them instantly . By this take we thought to have some alternative to invent a brush which can spread over as required and this brush tool is controlled by a button to make its functions.

The project seeks to follow the following steps:

- To design a brush which helps the work to move on easily .
- To use well and good strengthen brushes.
- To have a good connection between the brushes and handle.
- It also helps us to clean the tins in a rapid time .

The title of the project is about the BRUSHELLA which deals with the cleaning action of the large water tins . having a specified tool to go on with the cleaning makes the work easy . Brushella is the tool which consists of a brushes and a controlling holder Required analysis of the project is 300rpm motor , brush, 12volts dcmotor ,stainless steel and a rod holder .The model is affordable and it has

a great specifications which can relay on the existing solutions The aim of the project is to make the cleansing action as accurate and easy as possible.

4. EXPERIMENTAL RESULTS

- This machine can be run with 12 v 4 amp battery power.
- The battery supply is fed to the ON\OFF switch and switch is connected with DC motor
- And corn peeler attached to the rotary mechanism which is attached to the shaft of the DC motor
- When the user switch ON the supply then the DC motor will rotate and mechanism also rotate which is attached to the shaft of the DC motor. User need to put and hold the corn at the middle hole point off the peeler. When it rotates corn seeds remove and fell down into the bowl.



5. CONCLUSION

The main aim of the project is to design a model which is more useful for the housewives and industries, which will save their money. In our model we can know how much time is used for cleaning a single tin and we can compare it by manually , so that people can save their time . Therefore, people will be benefited, so that they cannot be rely on the time consuming products , The cost and reliability of this brushella is suitable for the rural usage.

6. REFERENCE

- 1) Kavati, V., Kavati, V., Varma, K.P.V.K., 2022, The Effect of Pine Oil Emulsifier on Gasoline-Alcohol Blends in a Spark Ignition Engine with Multi-Point Fuel

- Injection, Trends in Sciences, 10.48048/tis.2022.3427
- 2) Narasimha, V., Dhanalakshmi, M., 2022, Detection and Severity Identification of Covid-19 in Chest X-ray Images Using Deep Learning, International Journal of Electrical and Electronics Research, 10.37391/IJEER.100250
- 3) Madhavi, K.R., Kora, P., Reddy, L.V., Avanija, J., Soujanya, K.L.S., Telagarapu, P., 2022, Cardiac arrhythmia detection using dual-tree wavelet transform and convolutional neural network, Soft Computing, 10.1007/s00500-021-06653-w
- 4) Niranjana, G., Poongodai, A., Soujanya, K.L.S., 2022, Biological inspired self-organized secure autonomous routing protocol and secured data assured routing in WSN: Hybrid EHO and MBO approach, International Journal of Communication Systems, 10.1002/dac.5044
- 5) Rajalingam, S., Karuppiah, N., Muthubalaji, S., Shanmugapriyan, J., 2022, Power quality improvement in the distribution system by interconnecting PV using hybrid DSTATCOM, International Journal of Advanced Technology and Engineering Exploration, 10.19101/IJATEE.2021.875154
- 6) Ahmed, M., Laskar, R.H., 2022, Eye center localization using gradient and intensity information under uncontrolled environment, Multimedia Tools and Applications, 10.1007/s11042-021-11805-z
- 7) Skandha, S.S., Nicolaides, A., Gupta, S.K., Koppula, V.K., Saba, L., Johri, A.M., Kalra, M.S., Suri, J.S., 2022, A hybrid deep learning paradigm for carotid plaque tissue characterization and its validation in multicenter cohorts using a supercomputer framework, Computers in Biology and Medicine, 10.1016/j.combiomed.2021.105131
- 8) Narsaiah, M.N., Venkat Reddy, D., Bhaskar, T., 2022, Medical Image Fusion by using Different Wavelet Transforms, Lecture Notes in Electrical Engineering, 10.1007/978-981-19-5550-1_33

- 9) Sudhir, Kumar Sehgal, A., Singh Nain, S., 2022, Machine learning models behavior analysis for WEDM of super alloy, Materials Today: Proceedings, 10.1016/j.matpr.2022.11.233
- 10) Prasanna, V., Nelson, A., Hnaumanthakari, S., Kumar, V.K., Kirubakaran, S., Kumar, M.J., 2022, Metaheuristic Algorithm for Automatic Cruise Control System, 3rd International Conference on Smart Electronics and Communication, ICOSEC 2022 – Proceedings, 10.1109/ICOSEC54921.2022.9952117