Simulation and design of door handle for economical use of sanitizer

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ABSTRACT

In general day to day life we go to washrooms. Our hands get dirty after using washrooms. To clean our hands or make our hands germs free we wash our hands with soap, liquid hand wash, wet tissues or we use a hand sanitizer. Hand sanitizers were developed for use of cleansing of hands without soap and water. These are made up of gels that contain alcohol in order to kill germs present on the skin. The alcohol works immediately and effectively in order to kill bacteria and many viruses. Alcohol can be very drying to the skin, so many companies contain moisture to remove dryness. Sanitizer is low of cost cheaply available to use for cleansing of hands. Hand sanitizers are convenient, portable, easy to use and not time consuming. Several studies have shown spreading gastrointestinal and respiratory infection is decreased. Using this product can also reduce skin dryness and irritation than hand washing. Studies show that adding hand sanitizers to classrooms and toilets can reduce student absenteeism due to illness by 20%. What's more, many kids think instant hand sanitizer are fun to use. So in this Research Paper a hand sanitizer is attached to the door handle and releases automatically when the person touches the door handle. It saves time in our fast life by removing the use of washbasins after using washrooms. It also saves a lot of water. Sometimes and at some places continuous running water is not available everytime. So sanitizer is an useful aspect.Although various other options are already present in which a wet tissue is attached to the door handle. But the drawback of this system is tissues get dried up and hence become of no use. It causes wastage. The sanitizer never gets dried up. It continues for years. Hand sanitizer also saves some ground water.

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References

[1] Vaibhav Bhatia and Pawan Whig, "Modeling and Simulation of Electrical Load Control System Using RF Technology, International Journal of multidisplinary science and engineering",2013,Vol. 4 No.2, pp 44-47 ISSN 2045-7057.

[2] Ruchin, Chandan Mahto and Pawan Whig," Design and Simulation of Dynamic UART Using Scan Path Technique (USPT)", International Journal of Electrical, Electronics & Computer Science Engineering" 2015,Vol 1, pp 6-11. ISSN No: 2348-2273

[3] Aastha Sharma, Abhishek Kumar, Pawan Whig," On the performance of CDTA based novel analog inverse low pass filter using 0.35µm CMOS parameter", International Journal of Science, Technology & Management, 2015, Vol 4, Issue 1, pp. 594-601. ISSN No: 1460-6720

[4] Pawan Whig and S. N Ahmad," Simulation and Performance Analysis of Low Power Quasi Floating Gate PCS Model ", International Journal of Intelligent Engineering and Systems, 2016, Vol 9, Issue 2, pp. 8-13(Scopus). ISSN: 2185-3118

[5] Pawan Whig and S. N Ahmad ," Ultraviolet Photo Catalytic Oxidation (UVPCO) Sensor for Air and Surface Sanitizers Using CS amplifier", global Journal of researches in engineering: F 2016, Vol. 16, Issue 6, pp.1-13. ISSN Numbers: Online: 2249-4596 Print: 0975-5861 DOI: 10.17406/GJRE

[6] Rashmi Sinha, Shweeta Prashar and Pawan Whig Effect of Output Error on Fuzzy Interface for VDRC of Second Order Systems International Journal of Computer Applications Vol 125 – No.13, 2015 ISSN: 0975 –8887

[7] Ajay Rupani, Deepa, Gajender and Pawan Whig,"A Review of Technology Paradigm for IOT on FPGA", International Journal of Innovative Research in Computer and Communication Engineering, 2016, Vol. 5, Issue 9 pp.61-64. ISSN (Online): 2320-9801/ ISSN (Print): 2320-9798

[8] Pawan Whig and S. N Ahmad," Simulation and performance analysis of Multiple PCS sensor system, ", Electronics, 2016, Vol. 20,Issue 2 pp. 85-89(Scopus). ISSN: 1450-5843

[9] Pawan Whig and S. N Ahmad," Modelling and Simulation of economical Water Quality Monitoring Device ", Journal of aquaculture & Marine Biology, 2016, Vol.4,Issue 6, pp.1-6(Scopus). ISSN: 2378-3184

[10] Pawan Whig and S. N Ahmad," Controlling the Output Error for Photo Catalytic Sensor (PCS) Using Fuzzy Logic ", Journal of earth science and climate change , 2017, Vol.8,Issue 4, pp.1-6 (Scopus). ISSN: 2157-7617

[11] Sanobar Chouhan, Saurabh Chodhary, Tarun Upadhaya Ajay Rupani and Pawan Whig "Comparative Study of Various Gates Based in Different Technologies", International Journal Robotics and Automation, Vol 3, Issue 1 , 2017 , pp. 1-7. ISSN: 0826-8185.(Scopus)