Automatic Hand Dispenser and Temperature Scanner for Covid-19 Prevention

Suhas. B. Khadake[1], Prajakta. V. Padavale[2], Priyanka. M. Dhere[3], Bharati. M. Lingade[4]

Assistant Professor, Department of Electrical Engineering[1]

Students, Department of Electrical Engineering[2,3,4]

SVERI's College of Engineering Pandharpur, Maharashtra, India

sbkhadake@coe.sveri.ac.in, suhaskhadake@gmail.com

Abstract: *The COVID-19 pandemic was prevented by the invention of the automatic hand dispenser and temperature scanner. The most valuable commodity in the entire world is now sanitizers. According to the new guidelines and laws presented by the "World Health Organization," sanitization is required to deal with the new normal. An automatic hand sanitizer with a temperature detection system is built into a contactless sanitizing machine's design to keep hands clean whenever a person wants. The body temperature of the person is determined by the temperature sensor. The technology was specifically designed to aid in halting the spread of the COVID-19 illness and in enhancing neighbourhood health. Up to 5 seconds of exact sanitizing fluid movement are guaranteed by the mechanism. Also, the system's architecture is straightforward to implement, user-friendly, and able to pinpoint the precise hand movements. Sanitation should be implemented in businesses, corporate offices, educational institutions, and institutions of higher learning in light of the current global scenario. This temperature-sensing scanner in the automatic hand sanitizer will undoubtedly be a valuable instrument to assure frictionless application. This also done by using PLC also.*

Keywords: automatic hand dispenser

REFERENCES

[1]. Goda Vasantharao et al., "Temperature Detection and Automatic Sanitization and Disinfection Tunnel-COVID 19", The International journal of analytical and experimental modal analysis, June/2020.

[2]. Baina Kiran et al., "Motion Based Automatic Garage Door Opener" International Journal of Engineering Trends and Applications (IJETA) Volume 5 Issue 2, Mar-Apr 2018

[3]. M. M. Srihari, "Self-Activating Sanitizer with Battery Imposed System for Cleansing Hands," 2020 Second International Conference on Inventive Research in Computing Applications (ICIRCA), Coimbatore, India, 2020,pp. 1102- 1105.

[4]. Khadake, S. B. Detecting Salient Objects of Natural Scene in a Video's Using Spatio-Temporal Saliency & Colour Map. Journalnx, 2(8), vol. 2, issue 8, Aug. -2016, 30-35.

[5]. Abhinandan Sarkar et al "Design of Automatic Hand Sanitizer with Temperature Sensing International Journalof Innovative Science and Research Technology, May- 2020

[6]. Rajat Vyawhare et al., "AUTOMATIC DOOR KNOB/HANDLE SANITIZATION USING UV-C LIGHT "International Research Journal of Engineering and Technology (IRJET)July 2020.

[7]. Khadake, S. B., Dolli, S. P., Rathod, M. K., Waghmare, M. O., & Deshpande, M. A. (2016). An Overview of Intelligent Traffic Control System Using Plc and Use of Current Data of Vehicle

[8]. Travel. *JournalNX*, feb. 12, 2016 VESCOM-2016 1-4

Copyright to IJARSCT
www.ijarsct.co.in

DOI: 10.48175/IJARSCT-11364

362

ISSN
2581-9429
IJARSCT