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NH-16, Anakapalle, Visakhapatnam-531002, Andhra Pradesh.

(IOTDA-2K21)

17-18 Dec, 2021

**Department of Computer Science & Engineering
and Electronics & Communication Engineering**

Proceedings of Two Day Online National Conference on Internet of Things : Design & Applications

Sponsored by



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Conference Website Link

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Renewable Energy Based Integrated Automated Full Body Sanitizing System

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Abstract: Corona Virus disease (Covid19) is wreaking chaos in the world. Ever since WHO announced it as a Pandemic disease and many cities in the world are under lockdown, people are not able to step out of their homes and already thousands have lost their lives. As the global Covid-19 crisis continues to unfold, washing and sanitization of hands have become an absolute necessity in daily affairs. In addition to this whole body sanitization is also became obligatory where it is mandatory to participate in general body meeting of the leaders and people. Automatic mist based sanitizer dispensing systems is very useful resource in the fight against corona virus. This contact less dispensing system helps to sanitize hands and whole body without getting in contact with the sanitizing surfaces and will help to reduce spread through cross contamination. This contactless dispensing unit sprays alcohol based sanitizer when the person enters into it. The aerated mist based formula uses only 500ml. of sanitizer ensuring optimum usage. It releases full cone spray mist for 12 seconds in single operation. Contactless technology works on Ultrasonic (Motion detection) sensor to ensure zero touch, high operational precision to completely disinfect whole body at once. The complete body of person will be sanitized completely when the person entering into it. The capacity tank ensures longer duration of usage thus eliminating hassle of refilling it frequently. The sanitizer container allows displaying the quantity in it.