

A METHOD OF WSN TO MONITOR AND CONTROL THE COLD CHAIN LOGISTICS AS PART OF THE IOT TECHNOLOGY USING SWORM ROBOTICS

ABSTRACT

The Internet of Things (IoT) is a new evolution in technological advancement taking place in the world today. This paradigm allows physical world objects in our surroundings to be connected to the Internet. This idea comes to life by utilizing two architecture; the Sensing Entity in the environment that collects data and connects itself to the cloud and the Cloud Service that hosts the data from the environment and controls the parameters. The combination of wireless sensor networks and cloud computing is becoming a popular strategy for the IoT era. The cold chain requires controlled environment for sensitive products in order for them to be fit for use. The monitoring process is the first assurance which tells if a certain process has been carried out successfully and the controlling mechanism is performed by the Relays. Taking advantage of IoT and its benefits to monitor and control the cold chain logistics will result in better management and product handling. This paper looks at a system comprising of MCU wireless sensor network and server which can be an ideal system to monitor temperature and humidity of cold chain logistics and control them to required values.

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