A PROJECT REPORT

ON

**PERESHABLE FOOD MONITORING THROUGHOUT THE SUPPLY CHAIN**

SUBMITTED IN PARTIAL FULFILMENT OF THE REQUIREMENTS OF THE DEGREE OF

B. Tech

BY

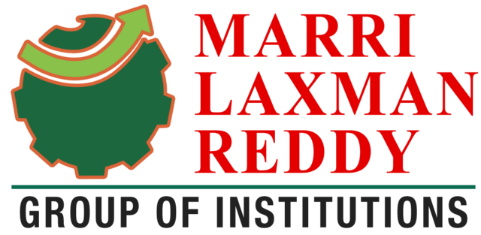
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2019

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**CERTIFICATE**

This is to certify that the project report **“PERESHABLE FOOD MONITORING THROUGHOUT THE SUPPLY CHAIN”** submitted by K**. SATYA SHIVA SAI RAM (187Y5A0532), B.PRASHANTH REDDY (177Y1A05F0), B.KAMAL SAI (177Y1A05D8),** in partial for the award of **“B.Tech COMPUTER SCIENCE ENGINEERING”** submitted to the state board of technical education training is a record of bonafied work carried out by him/her under our guidance and supervision.

The results embodied in this seminar report have not been submitted to any other University or institute for the award of any degree or B.Tech.

**ABSTRACT**

Food safety is imperative to avoid food borne diseases and to ensure the public health. Monitoring of perishable food products and early detection of degradation will avoid loss due to food wastage and also ensures the freshness of food. In this scenario, remote monitoring of fruits during transportation from field to shelf can ensure the quality of fruit. In this work, a wireless sensor network was designed for monitoring of fruits during transportation and even after storage. Internet of things was also used for facilitating online monitoring of fruits from any remote location. NodeMCU was used as sensor node and gateway node. It has performed the fusion of sensor data such as temperature, humidity and moisture to avoid redundant data storage and increase the efficiency of decision making. The project is not only used in during transportation, it is used in foods cold storage, medical cold storage etc. And can monitor form any place and can be controlled, because it was wireless communication.

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