Abstract

Nowadays, sugar mills use manual techniques to operate many of its functioning. Sugar Mills gave the slip to the farmers which are used for accounting the weight of the sugarcane and the price of the sugarcane so this process is time taking and if the slip got misplaced it is a very hectic process for both the parties. So, we want to automate this process by making very convenient and easy for the farmers to use. The application requires sugar mills weights sugarcane manually in which there is a lot of cases of frauds, so we automate this process with the help of the IoT weighing Scale, in this application we use Load Cell for weighing and by Wi-Fi module will help to automatically update the details online. Also, we got the database server to store all intermediate results and also we can delete all results. There is a load cell by using; I can measure up to 2 kg weight. Firstly this weight goes to ADC (analog to digital converter) to convert the weight into digital weight, after that this weight will go to the microcontroller for controlling all weight and display on the led, through Wi-Fi module, here we use power plug source to get the electricity.
References

5. “Sugarcane farmers”: Food and Agriculture Organization of the United Nations, 2016

Index Terms

Computer Science
Automated Systems

Keywords

Digital weighing machine; Load Cell; Internet of Things (IoT); HX711; Circuit Diagram