

PURSUIT OF SMART RESTAURANT USING INTERNET OF THINGS

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ABSTRACT

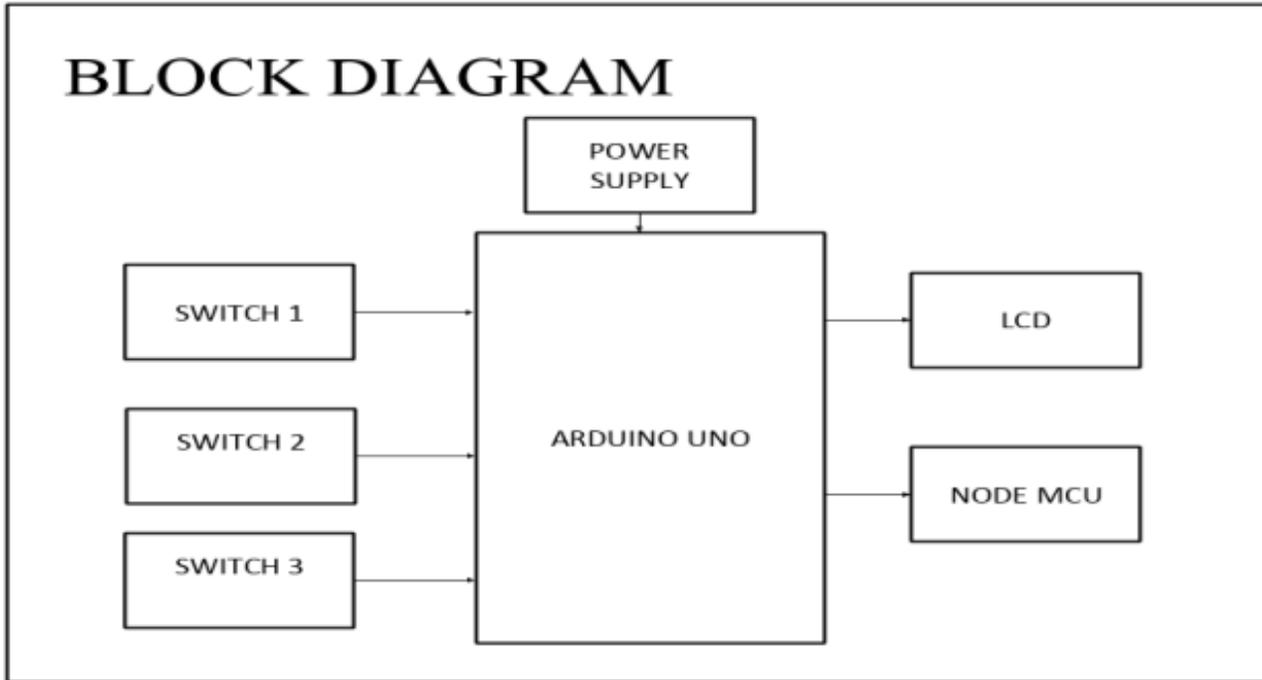
In the past, restaurant used pen and paper to place orders from customer. This method will take much time for taking and sending the order to the kitchen. Now, for billing also we have to pay special attention also. This proposed system aims in designing a fully automated ordering menu system in the restaurants. The menu will be displayed in lcd and the customers can order their food using that system. NodeMCU will transmit this to the computer then displays in the kitchen & also the bill counter. The aim of this project is automation to reduce the time delay and less hassle, cost too.

I. INTRODUCTION

The Internet of Things (IoT) implies the use of cleverly related devices and structures to utilize data collected by embedded sensors and actuators in machines and other physical things. IoT is required to spread immediately completed the coming years and this joining will discharge another estimation of organizations that improve the individual fulfillment of clients and gainfulness of endeavors. prosperity, preparing and various distinctive parts of regular day to day existence.

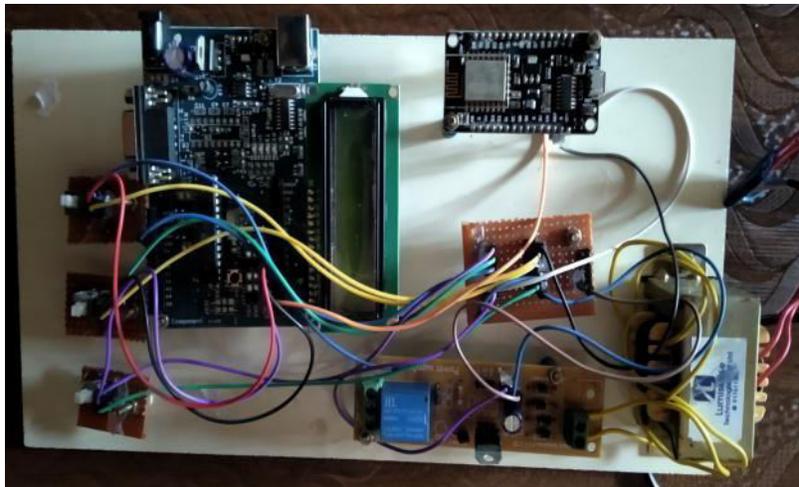
II. METHODOLOGY

The methodology of the project is two division namely handheld section and main section. In handheld section customer can order by using switches in the table and the orders are displayed in the LCD with price. Now in main section the order are transmitted by arduino and it was received by NodeMCU. The MC will transmit the order to the computer display in the kitchen and the bill counter and also these data are stored in the cloud.



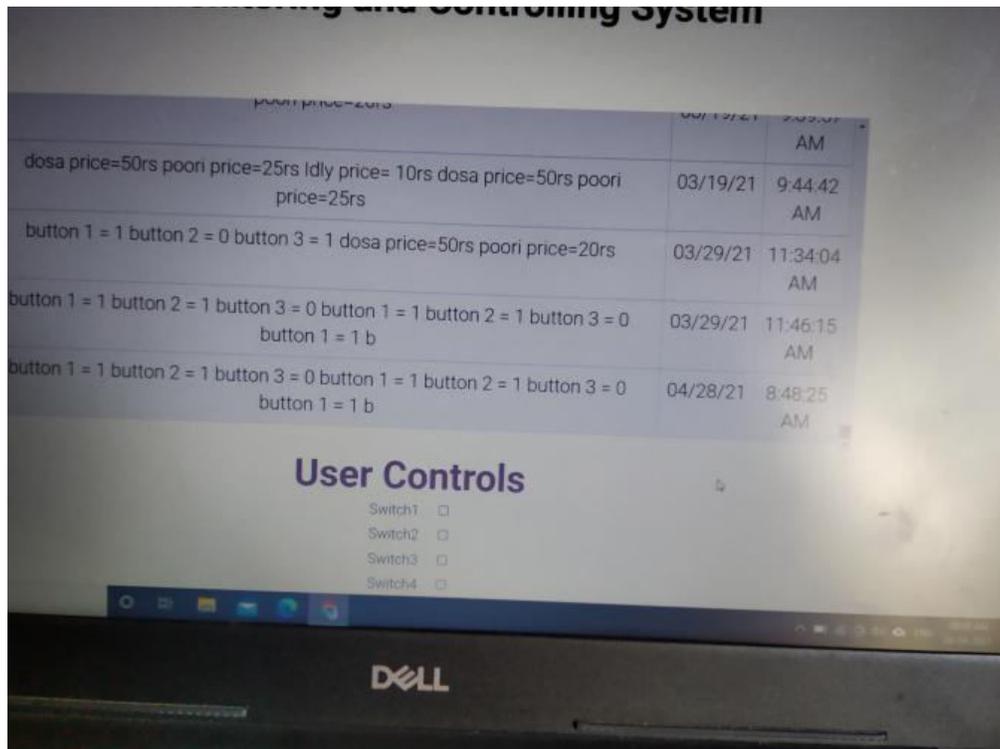
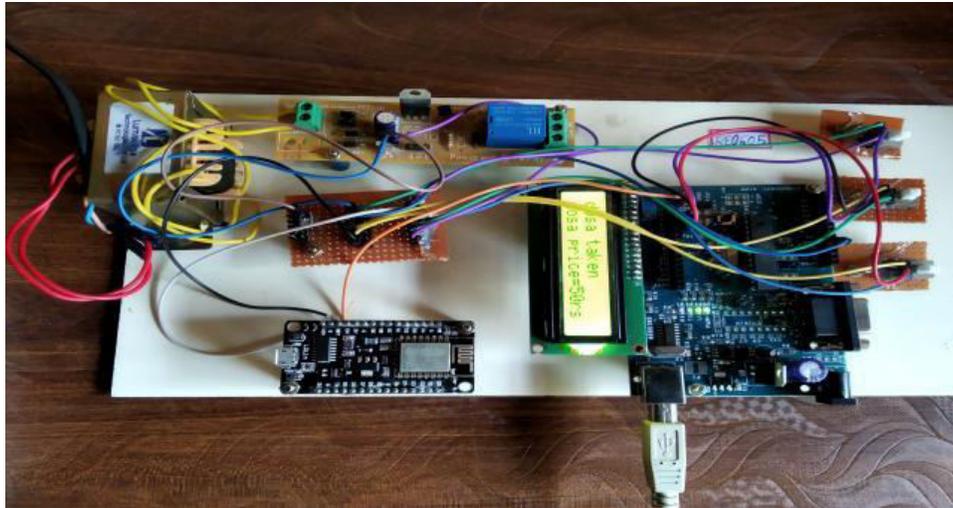
III. MODELLING & ANALYSIS

The actual model is shown in this section.



IV. RESULTS & DISCUSSION

The Project is implemented successfully and the data are collected and stored in the cloud.



V. CONCLUSION

The implemented system of restaurant menu ordering system is a modern and smart solution for menu ordering methods in any kind of restaurant. The system will reduce delivery confusion and also gives more accuracy in calculating the bill for each individual table. It is also a low cost alternative to be used by middle and low level restaurants also. It helps to give fast service hence will help in considerably reducing cost and efficient service of restaurant Management

VI. ACKNOWLEDGEMENTS

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VII. REFERENCE

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7. Automated Food Ordering System with Real-Time Customer Feedback This project is proposed with wifi technology using Android mobile,laptop and broadband modem and wireless medium
8. 3EMenu Card systems for Restaurants by International Journal of Innovative Research in Advanced Engineering The project is proposed with RS-232 cable as the communication medium , Peripheral Interface Controller (PIC) ,computers
9. Development of wireless ordering system by international journal of emerging technology. The project is proposed with the Zigbee technology as the communication medium , Arduino UNO,LCD plus touch display
10. Research article on “Improve performance of work of restaurant using PC touch screen” The project is proposed with the wifi technology as the communication medium, touch screen,software center and wifi base station.