A

MINI PROJECT REPORT

ON

" RESTAURANT MENU ORDERING SYSTEM USING ZIGBEE TECHNOLOGY "

Submitted in Partial Fulfillment of the Requirement for the award of the degree of

BACHELOR OF TECHNOLOGY

IN

ELECTRONICS AND COMMUNICATION ENGINEERING

SUBMITTED BY

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Under the supervision of

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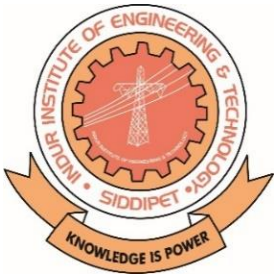

DEPARTMENT OF

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CERTIFICATE

This is to certify that the project entitled **" RESTAURANT MENU ORDERING SYSTEM USING ZIGBEE TECHNOLOGY "** is a bonafide work done and submitted by

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In partial fulfillment of the requirement for the degree of B.TECH in the Department of **ELECTRONICS AND COMMUNICATION ENGINEERING** from **INDUR INSTITUTE OF ENGINEERING & TECHNOLOGY**, SIDDIPET (Affiliated to JNTU Hyderabad) during the academic year 2023-2024 is a record of bonafide work carried out under the supervision of **Mr. K. RAMA RAO** Associate Professor.

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DECLARATION

I hereby declared that the work reported in the present project entitled "**RESTAURANT MENU ORDERING SYSTEM USING ZIGBEE TECHNOLOGY"** is a record of work done by me under the supervision of **Mr. K. RAMA RAO Associate Professor,** Department of Electronics and Communication Engineering, Indur Institute of Engineering and Technology, Siddipet.

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ABSTRACT

The project is proposed with the Zigbee innovation as the correspondence medium which carries out quicker requesting framework. The innovation ready to tackle need number of specialist, decreases the blunder on requesting food sources by the clients. The e-menu food requesting framework depends on programming equipment foundation of Arduino (ATMega328p) and utilizing Zigbee short reach radio correspondence innovations. We have partitioned the framework in two segments one is handheld area (client segment) and other is principle segment (proprietor segment), both segment comprises of Zigbee handsets. The framework additionally having a touch screen and graphical LCD interface for giving a more intelligent UI menu ordering. The paper depicts about the calculation utilized in execution of cutting edge menu requesting framework by with a remote correspondence innovation Zigbee and the means associated with its convention stack. The proposed framework is planned to use by a wide range of eateries for all classes of individuals. At handheld area GLCD with contact screen is given to put in the request and request sends further to principle segment by means of Zigbee handset. At the same time ringer will show that request has shown up and LCD show which is at primary area is utilized to show food menu request and cost.

KEY WORDS: ZIGBEE, e-menu, Arduino, ATmega328p, Graphical LCD.

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