

“CONTACTLESS DOORBELL”

**A Mini-Project submitted in partial fulfillment of the requirement for the
award of degree of**

MASTER OF COMPUTER APPLICATIONS

of

Visvesvaraya Technological University



By

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*This is to certify that **Samarth Kulkarni (2KE20MC042)** and **Samarth Itagi (2KE20MC043)** have completed their III semester mini-project work entitled “**Contactless Doorbell**” for the core subject “**IOT Lab with Mini-Project(20MCA37)**” as a partial fulfilment for the award of Master of Computer Applications degree, during the academic year 2021-2022 under our supervision.*

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1. Examiner 1:
2. Examiner 2:

Declaration

We, Samarth Kulkarni and Samarth Itagi, students of 3rd semester MCA, KLE Institute of Technology, bearing USN 2KE20MC042 and 2KE20MC043 hereby declare that the mini-project entitled “Contactless Doorbell” has been carried out by us under the supervision of Dr Medha Kudari, submitted in partial fulfilment of the requirements of the core subject, IOT Lab with Mini-Project (20MCA37) for the award of the Degree of Master of Computer Applications by the Visvesvaraya Technological University during the academic year 2021-2022. This report has not been submitted to any other Organization/ University for any award of degree or certificate.

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Signature:

Signature:

Acknowledgement

The satisfaction that accompanies the successful completion of work “Contactless Doorbell” would be incomplete without naming the people who made it possible, whose constant guidance and encouragement made this project perfect.

Our sincere and heart-felt thanks to our beloved **HOD, Prof. Dr. V. S. Madalli**, for giving all the facilities to carry out this project.

We wish to express our deep sense gratitude to MCA faculty for their moral and vital support throughout every state of the project development. We are also grateful to all others who have directly and indirectly helped us during this project work.

We are grateful to our parents and friends for their encouragement.

Samarth Kulkarni

Samarth Itagi

Abstract

In this digital era, of course in pandemic Situations, many of them are stuck to work from Home and students are attending online classes with the digital gadget, even when doing some, Work in our home, like watching movies in-room playing games and hearing music using a headset, device. So, we are proposing the smart doorbell system. A smart doorbell system is an internet-to the user when a visitor rings together with other suitable hardware to accomplish the doorbell. The RPI Raspberry pi computer was chosen for the development desired Function of the smart doorbell system.

It is stated that this report and the concerned project is purely the outcome of our very own hard work and tireless efforts. It covers all the major aspects that needed highlight regarding contactless doorbell The purpose of this report is to cover all the major aspects of the topic assigned. The major specifications included the development of a contactless doorbell. Covering the aspects ranging from the selection of software, simulating the circuit to get the desired outputs each part has been given its required importance while compiling this report.

Contents

Sl. No	Chapter	Pages No
	Abstract	
1	Introduction	1-2
2	Software Requirement Specification	3-13
3	Analysis and Design	14
4	Implementation	15-20
5	Software Testing	21
6	Conclusion	22

List of Figures

Figure No.	Figure Name	Page No.
2.1	Raspberry Pi Board	4
2.2	IR Sensor	5
2.3	Ultrasonic sensor	7
2.4	LDR sensor	8
2.5	Breadboard	9
2.6	Jumper wires	10
2.7	Buzzer	12
2.8	ThonnyPython IDE	13
3.1	Flowchart	14
4.3	Snapshots	19-20

List of Tables

Table No.	Table Name	Page No.
5.1	Test cases	21