## “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.*

**GUIDE**

**Dr. Medha Kudari**

**HOD**

**Dr. V. S. Madalli**

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.

**Name: Samarth Kulkarni Name: Samarth Itagi**

**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.

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#### 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.

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