HOME AUTOMATION VIA BLUETOOTH USING THE ARDUINO

SUBMISSION PRESENTED TO

HEMCHANDRACHARYA NORTH GUJARAT UNIVARSITY PATAN.

FOR THE DEGREE OF
MASTER OF SCIENCE IN PHYSICS
BY

PATEL PRITI NAVINCHANDRA
CHAUDHARY VAIDEHI JAYANTILAL
MANAT SEJAL JIVABHAI

PATEL DIVYA MUKESHBHAI

MARIVAD VANITA KHEMABHAI

Guided By

PROF. H.A. PATEL SIR

SIR P.T. SCIENCE COLLEGE,
MODASA -383315

APRIL 2023.

HOME AUTOMATION VIA BLUETOOTH USING THE ARDUINO

HEMCHANDRACHAARY NORTH GUJARAT UNIVERSITY, PATAN

FOR THE DEGREE OF

MASTER OF SCIENCE IN PHYSICS

BY

PATEL PRTI NAVINCHANDRA

CHAUDHARY VAIDEHI JAYANTILAL

MANAT SEJAL JIVABHAI

PATEL DIVYA MUKESHBHAI

MARIVAD VANITA KHEMABHAI

Guided by

PROF. H.A.PATEL SIR

SIR P.T.SCIENCE COLLEGE,

MODASA - 383315

APRIL 2023

SIRP.T.SCIENCE COLLEGE,MODASA

(Managed by THE M.L GANDHI HIGHER EDUCATION SOCITY)

[UGC 2F, 128 RECOGNISED]- [NAAC -ACREDITED B++,AAA GOG ACREDITED A]

CERTIFICATE

This is certify that project work entailed HOME AUTOMATION VIA BLOUTOTH USING THE ARDUINO is carried out by students mentioned below , in partial fulfillment for the award of degree of master of science in physics during the academic APRIL 2023 . the project has been approved as it satisfies the academic requirements in respect of project work prescribed for the master of science.

SR NO.	NAME	UNI. ROLL NO.
1.	PATEL PRITI NAVINCHANDRA	189
2.	CHAUDHARY VAIDEHI JAYNTIBHAI	192
3.	MANAT SEJAL JIVABHAI	191
4.	PATEL DIVYA MUKESHBHAI	183
5.	MARIVAD VANITA KHEMABHAI	193

PALCE : MODASA

SIGNATURE OF GUIDE

(PROF.H.A PATEL SIR)

SIGNATURE OF H.O.D

(Dr. R.H. PARMAR SIR)

Head of the Physics Department
Sir P. T. Science College Modasa

28/4/23

SIGNATURE OF EXAMINER: _____

ACKNOWLEDGEMENT

First of all, This Project has been inspired by attend the Workshop in our Sir P. T Science Collage. And then the idea has come to our mind so that our group selected this project.

So we thank full to the PROF. G.L. VEKARIYA SIR to plane this work shop. Firs we have thank to H.O.D. R.H. PARMAR SIR and our project Guided by H.A. PATEL SIR. We have thanks to our friends and classmates also, who can understand our lot of things.

When our group works on this project we taught so many things in this project and lots of experiences in this project. And thank to our group's each and every member to work in this project very understandingly and passion sly our project is completed and successful.

ABSTRACT:-

HOME AUTOMATION VIA BLUETOOTH USING THE ARDUINO:-

Home automation systems have gained popularity in recent years, paralleling the advances in the concept of the Internet of Things. The current project presents the implementation of an in expensive home automation system, with in the frame work of assistive technology. The system implementation is based on the Arduino microcontroller, with Bluetooth communications capability, and it is designed for use by the elderly and people with disabilities. The system is user-friendly, with an intuitive interface implemented on an Android- based smart phone. Demonstrations show that the system facilitates control of home appliances, lights, heating, cooling systems and security devices by the intended users, i.e., the elderly and the disabled.

TABLE OF CONTENTS:-