KJ'S EDUCATIONAL INSTITUTES

TRINITY COLLEGE OF ENGINEERING AND RESEARCH PUNE

(Accredited by NAAC with A+ Grade Approved by AICTE & Affiliated to SPPU, Pune) Sr. No. 25 & 27, Near. Khadi Machine Chowk, Kondhwa Annexe, Pune–48, Maharashtra

DEPARTMENT OF E&TC

APF-24A Issue No.:01 Rev date 17/12/2018	**Project Base Learning** List of Group Menber and Project Name	Academic Year: 2023-24 SE Semester: II

Group No.	Names of the Student	Project Title
1	ALAT DIVYA GOVIND	To impliment Street light Controller using LDR
	BANGAR PRAVIN RAJENDRA	
	BORAWAKE SIDDHI SANJAY	
	CHAVAAN YASHASWI SOMNAT	
	HINGE KSHITIJA SANTOSH	
2	PATEL AYAN SAMEER	Gas Leakage Detector
	KHAIRE SURAJ NITIN	
	RANSUBHE AJINKYA KIRAN	
	IMAD IMTIYAZ PASWARE	
	DEOKAR PRANAY GANESH	
3	AVISHKAR VIJAY PARBHANE	RFID Door access control system
	SHAH DEVWRAT MAKARAND	
	RATHOD VAIBHAV SANTOSH	
	WANKHEDE PUSHPRAJ BALA	
	MIDGULE VAISHNAVI MOHAN	
	NIMASE SAKSHI DEVIDAS	
4	AWASARE MRUNALINI PAMPUSHET	Electricy generation by Foot steps using pezioelectric Sensor
	GANGARDE ROHAN ABASAHEB	
	RAUT OMKAR KAKASAHEB	
	SASTE OMKAR NARAYAN	
	SUTAR PURVA RAJENDRA	
5	PENDSE SALEEL SANTOSH	Aurdino based voice controller car
	PATOLE VRUSHALI NITIN	
	JADHAV MRUNAL NANDULAL	
	KUMBHAR DHANASHRI ASHOK	
	SHINDE RUTUJA NIWAS	
	PISAL PARAS LALSING	
6	DAHAKE ADVAIT PRASHANT	Guiding Gaze
	BIRADAR PRERANA VIRBHADRA	
	ISHWARI PRASHANT RAMADE	
	GAWADE VEDIKA GULAB	
	PATIL SHRILEKHA UDAYKUMAR	

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7	PRATHMESH LANGDE	To Impliment distance indicator for safely car parking
	TAMBOLKAR MANOJ SHIVAJI	
	BHOSAGE SOHAM RAJESHWAR	
	GHADAGE YATESH HITENDRA	
	JADHAV SAHIL NITIN	
8	EKBOTE SANIKA NAGESH	To impliment indicator for Bike Turning
	DHOTEKAR ASRA ARIF	
	WADITAKE RAHUL SOPAN	
9	SHINGARE ANITA ASHOK	To Impliment Mini Inverter
	BADADHE SAKSHI PRASHANT	
	JADHAV SIDDHI ASHOK	
	PADOLE SHIVKANYA ANGAD	
	SHRIWAS NEHA LAVLESH KUMAR	
10	ANIKET ARVIND CHAVAN	To impliment Wireless Charger
	MASANE AKASH PRADEEP	
	MARKAD SUMIT SHARAD	

Project Coordinator -- Prof.Ritu Rani Ritu Rani
Prof Radhika Bodhe Radhika

Dr. Shubhangi Handore
HOD E&TC

Trinity College of Engineering & Research
Dept. of E & TC
Pune - 48

Trinity College of Engineering and Research, Pune

CERTIFICATE

This is to certify that, the project report titled

"RFID BASED DOOR LOCK SYSTEM"
is a work carried out

By

1) Parbhane Avishkar [EN2003]
2) Midgule Vaishnavi [EN2030]
3) Nimase Sakshi [EN2031]
4) Shah Devwrat [EN2045]
5) Rathod Vaibhav [EN2042]
6) Wankhede Pushpraj [EN2052]

Under the supervision/guidance of
Prof. Radhika Bodhe
Prof. Ritu Rani

During the academic sessions of year 2023 to 2024 and it is here by approved for the partial fulfillment of the mandatory requirement of Savitribai Phule Pune University, for Mini Project, under the faculty of Third year of Engineering (E&TC), of Savitribai Phule Pune University.

Dr. S. M. Handore
HOD (E&TC)

Guide Name
Project Guide
Prof. Radhika Bodhe Radhika
Prof. Ritu Rani Ritu Rani

Date:
Place: Pune.

Trinity College of Engg. & Research ★ Pune - 48 ★ Dept of E & TC

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1.INTRODUCTION

Since innovation is so cutting-edge, one-of-a-kind access control frameworks have turned out essential to win security dangers to different associations. Access control framework confines access to a property, a structure, or a space to approved people. In the field of data and protection security, door access control frameworks are assuming major indispensable jobs to shield associations. This is where everything is related with the framework, where anyone can get hold of information from wherever around the world. In this manner, hacking of one's data is a noteworthy issue. On account of these perils, it is basic to have a type of individual recognizable proof (ID) to get to one's own specific data. Security get to framework is exceptionally helpful to use at home, office and business structures. Every one of these years, different frameworks are acquainted with track the individual's development. Among standard individual ID systems, secret key and ID card strategies are the most watched techniques. Be that as it may, it isn't hard to hack password now and recognizable ID cards may get lost, henceforth making these strategies very sketchy. With the upgrade in the innovation, Framework Security is getting to be thought of significant worry in different associations and consequently advanced locks have turned into a significant piece of these security frameworks. There are numerous sorts of security frameworks that are accessible for security of our place.

This gadget is designed with the help of an Arduino using a servo motor that pushes the gear forward and back. When we scan our register card, there is a loop start of store programming in which the servo motor rotates 90 degrees, then the gear mechanism in it works, which locks and opens the lock. In simple language, when a card is scanned, the condition given in the programming matches, then the command given in that condition becomes active, such that when the correct card is scanned, the open condition will match, in which the servo motor will rotate 90 degrees and LCD shows the door is open and the door lock will be open but when an unregistered card is scanned then the condition of the wrong card will match then the LCD shows scan again .The Wrong card will show on the LCD.

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CERTIFICATE

This is to certify that, the project report titled

"ELECTRICITY GENERATION BY FOOTSTEP USING PEZIO-ELECTRIC SENSOR"

is a work carried out

By

1. **Mrunalini Awasare [EN2004]**
2. **Rohan Gangarde [EN2016]**
3. **Omkar Raut [EN2043]**
4. **Omkar Saste [EN2044]**
5. **Purva Sutar [EN2050]**

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Dr. S. M. Handore
HOD (E&TC)

Project Guide by
Prof. Radhika Bodhe

Prof. Ritu Rani

Date:

Trinity College of Engineering & Research * Pune - 48 * Dept. of E & TC

Place: Pune.

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ACKNOWLEDGEMENT

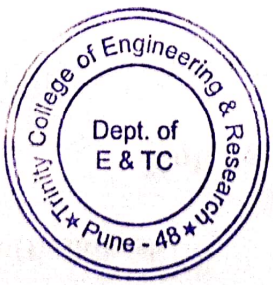
We take a great pleasure in submitting the Mini Project report "**ELECTRICITY GENERATION BY FOOTSTEP USING PEZIO-ELECTRIC SENSOR**" for partial fulfillment of project examination of third year of engineering (E&TC). We could not have achieved this endeavor without support of many people in this organization and we would like to thank them.

Firstly, we are sincerely thankful to all professors for their guidance for our project. Without their help, it would have been a tough job for us. We really thank them for their relevant help and providing the necessary guidance.

We are highly encouraged by our project guide **Prof. Radhika Bodhe and Prof. Ritu Rani** , who has devoted her time as and when we visited to her with some problems.

We are also proud to thank Dr. S. M. Handore, HOD, Department of Electronics & Telecommunication and our Principal Dr. A.B. Auti for permitting us to submit this project and for their moral support.

Last but not the least we would like to thank many other people in the department, without their help we could not have attained this hard success. Also, we thank all those who were involved directly and indirectly.



Name of candidates: -

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CERTIFICATE

This is to certify that, the project report titled

" **GUIDING GAZE** "
is a work carried out

By

Prerana Biradar (EN2008)
Advait Dahake (EN2011)
Vedika Gawade (EN2017)
Ishwari Ramade (EN2022)
Shrilekha Patil (EN2035)

Under the supervision/guidance of
Prof. Radhika Bodhe
&
Prof. Ritu Rani

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GUDIED BY
Prof. Radhika Bodhe Radhika
&
Prof. Ritu Rani Ritu Rani

Dr. S.M. Handore
HOD E&TC

Trinity College of Engineering & Research
Dept. of E & TC
Pune - 48

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