

**"Techno-Social Excellence"**  
**Marathwada Mitramandal's**  
**Institute of Technology**  
**Lohgaon, Pune**

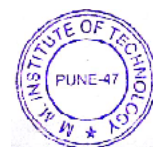
**Department : Mechatronics Engineering**

**Course Code : 317552**

**Title of Course : Mini Project**

**AY : 2022-23**

Sr No	Title of Project	Name of Students	Page no
1	Smart systems using AI ML	JAIN VRUSHABH DILIP	<u>2</u>
2		GAIKWAD ABHISHEK SUNIL	
3		BHAGWAT MAYUR VASANT	
4		BARAPATRE ANAND NARENDRA	
5	Advanced footstep power generation system using piezoelectric sensor	GADHE BHAGYSHRI SHRIKRISHNA	<u>3</u>
6		GAIKWAD LEENA TANAJI	
7		MAHAJAN GOVATI VIRENDRA	
8		VISHWAKARMA ABHINAY SUBHASH	
9	Using Arduino with Night light sensor	BHONDAVE SAURABH GOPICHAND	<u>4</u>
10		DESHMUKH PRATHAMESH SUSHIL	
11		DESHMUKH SANGRAMRAJE MANIKRAO	
12		NARALE PRATHMESH DHANANJAY	
13	Note and phone sanitizing machine	KADAM AVISHKA UMESH	<u>5</u>
14		KAMBLE PRITEE PRADIP	
15		VARPE HARSHVARDHAN MADAN	
16		HAREL ABHISHEK RAJENDRA	
17	Biometric Voting Machine	MAHAJAN NIRAJ ONKAR	<u>6</u>
18		MALEKAR SHARAYU NANASAHEB	
19		NIKALJE SAHIL NARAYAN	
20		SHINGOTE ABHIJEET DINKAR	
21	Theft Detection Using NODEMCU	AMBRE AYUSH AJIT	<u>7</u>
22		AMBRE PIYUSH AJIT	
23		THAKUR KARAN RAMESH	
24		CHENNUR OMKAR GURUPRASAD	
25	Robotics system for electronic manufacturing	KACHARE PRATHAMESH ANIL	<u>8</u>
26		KHARAT OMKAR SHASHIKANT	
27		PALANDE PRASAD RAVINDRA	
28		AYUSH KARPE VASUDEV	
29	Wireless Charging station for EV	KAPSE SURAJ VISHWAS	<u>9</u>
30		LAWAND OMKAR BAJIRAO	
31		NAWALE SHUBHAM MAHESH	
32	Home Automation	DHORE AKANKSHA DIGAMBAR	<u>10</u>
33		MAKWANA GAURAV HITEN	
34		MAWAL AISHWARYA PANKAJ	
35		PALANDE YASHRAJ RAVINDRA	



**CERTIFICATE**

This is to certify that Mr. Anand N Barapatre, Mr. Vrushabh Jain, Mr. Abhishek Gaikwad , Mr. Mayur Bhagwat, has successfully completed the Mini Project activity report entitled "**FLOOR CLEANING ROBOT**" under my supervision of Dr. Sachin Mutalikdesai , in the partial fulfillment of academics of Savitribai Phule Pune University, at Marathwada Mitra Mandal's Institute of Technology, Lohgaon , Pune.

Date:

Place: **Pune**

  
**GUIDE**

**Dr. Sachin Mutalikdesai**

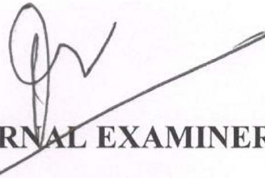


**MINI PROJECT CO-ORDINATOR**

**Prof. Dhananjay Bhoge**

  
**Dr. Anjali Joshi**  
**HOD, Mechatronics Engineering**

**Dr. Anjali.J.Joshi**



**EXTERNAL EXAMINER**




# CERTIFICATE


This is to certify that Ms Leena Gaikwad, Ms Bhagyashri Gadhe, Ms Govati Mahajan has successfully completed the Mini Project activity report entitled “ADVANCED FOOTSTEPS POWER GENERATION USING PIEZOELECTRIC SENSORS” under Dr. S.V Mutalikdesai supervision, in the partial fulfilment of academics of Savitribai Phule Pune University, at Marathwada Mitra Manda’s Institute of Technology, Lohgaon, Pune.

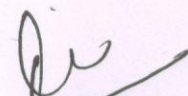
Date:

Place: **Pune**

  
Guide

  
Mini Project Coordinator

  
Dr. Anjali Joshi  
HOD, Mechatronics Engineering

  
External Examiner

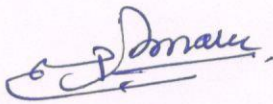


## CERTIFICATE

This is to certify that Mr Saurabh Bhondave, Mr Deshmukh Prathmesh, Mr Deshmukh Sangramraje, Mr Narale Prathmesh has successfully completed the Mini Project activity report entitled “Using Microcontroller Automation Irrigation” under Prof R.P Dharmale supervision, in the partial fulfilment of academics of Savitribai Phule Pune University, at Marathwada Mitra Manda`s Institute of Technology, Lohgaon, Pune.

Date: 1-06-2023.

Place: Pune



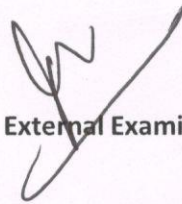
Guide



Mini Project Coordinator



Handwritten signature of HOD  
Stamp: HOD, Marathwada Mitra Manda`s Institute of Technology, Lohgaon, Pune



External Examiner





(2019-20)

“Techno-Social Excellence”  
Marathwada Mitra Mandal’s  
Institute of Technology (MMIT)  
Lohgaon, Pune- 411 047  
Accredited ‘A’ Grade by NAAC

“Towards Ubiquitous Computing Technology”  
**DEPARTMENT OF MECHATRONICS ENGINEERING**

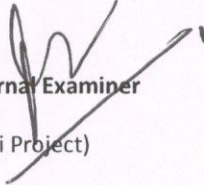
### CERTIFICATE

This is to certify that the Project Entitled  
“Clap Controlled Electrical Switch  
(FAN AND LIGHT)”  
Submitted by


Avishka Kadam	TMX 10
Priti Kamble	TMX 11
Harshvardhan Varpe	TMX 27
Abhishek Harel	TMX33

is a Bonafede work carried out by students under the supervision of Anjali Joshi and it is submitted towards the partial fulfilment of the requirement of Bachelor of Engineering (TE Mechatronics Engineering) Seminar.

Under The guidance of:

  
External Examiner  
(Mini Project)



  
Prof. Anjali Joshi  
HOD  
Dept. of Mechatronics Engineering

**CERTIFICATE**

This is to certify that Mr. Mahajan Niraj Onkar, Ms. Malekar Sharayu Nanasaheb , Mr. Nikalje Sahil Narayan , Mr. Shingote Abhijeet Dinkar, has successfully completed the Mini Project activity report entitled “**BIOMETRIC VOTING MACHINE**” under my supervision , in the partial fulfillment of academics of Savitribai Phule Pune University , at Marathwada Mitra Mandal’s Institute of Technology , Lohgaon , Pune.

Date:

Place: **Pune**



Dr. Anjali Joshi  
15D, Mechatronics Engineering

**GUIDE**

**Dr. Anjali. J. Joshi**



**MINI PROJECT CO-ORDINATOR**

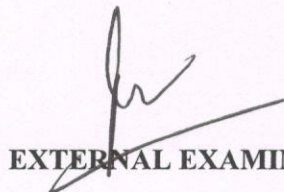
**Prof. Dhananjay Bhoge**



Dr. Anjali Joshi  
15D, Mechatronics Engineering

**HOD**

**Dr. Anjali. J. Joshi**



**EXTERNAL EXAMINER**

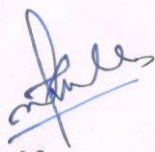
Under the Guidance of  
Prof. Apurva Ulhe

**CERTIFICATE**

This is to certify that Mr.Omkar Chennur, Mr. Piyush Ambre, Mr.Karan Thakur, Mr.Ayush Ambre, has successfully completed the Mini Project activity report entitled “**ELECTRICITY THEFT DETECTION SYSTEM USING GSM**” under my supervision, in the partial fulfilment of academics of Savitribai Phule Pune University, at Marathwada Mitra Manda's Institute of Technology, Lohgaon,Pune.

Date:

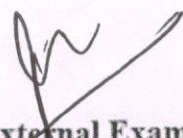
Place: **Pune**

  
**Guide**

  
**Mini Project Coordinator**

  
**HOD**  
**Engineer**



  
**External Examiner**

## CERTIFICATE

This is to certify that Mr. Prasad Palande, Mr. Omkar Kharat, Mr. Prathamesh Kachare, Mr. Ayush Karpe has successfully completed the Mini Project activity report entitled “**Radar System Using Arduino** ”under supervision Prof. Ms Ulhe Apurva, in the partial fulfillment of academics of Savitribai Phule Pune University, at Marathwada Mitra Manda’s Institute of Technology, Lohgaon, Pune.

Date:

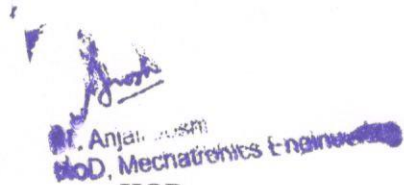
Place:**Pune**



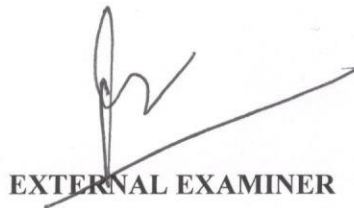
**GUIDE**  
Prof. Ms. Ulhe  
Apurva



**MINI PROJECT COORDINATOR**  
Prof. MR. Dhananjay Bhoge



**HOD**  
DR. Anjali Joshi



**EXTERNAL EXAMINER**





## CERTIFICATE

This is to certify that Mr.Suraj Kapse, Mr. Omkar Lawand, Mr. Shubham Nawale, has successfully completed the Mini Project activity report entitled “**The Wireless charging Station For EV**” under my supervision, in the partial fulfilment of academics of Savitribai Phule Pune University, at Marathwada Mitra Manda’s Institute of Technology, Lohgaon,Pune.

Date:

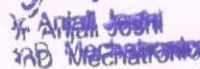
Place: **Pune**



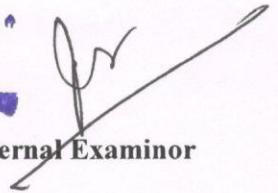
**Guide**



**Mini Project Coordinator**

  
Dr. Anil Joshi  
HOD Mechanical Engineering

**HOD**



**External Examiner**



## ii. CERTIFICATE

This is to certify that Mr. Yashraj Palande, Mr. Gaurav Makwana, Ms. Aishwarya Mawal and Ms. Akansha Dhore have successfully completed the Mini Project activity report entitled “**Home Automation**” under my supervision, in the partial fulfillment of academics of Savitribai Phule Pune University, at Marathwada Mitra Mandal’s Institute of Technology, Lohgaon, Pune.

Date: 20/05/2023

Place: **Pune**




**Guide**

**Pro. Sonali. S. Patil**



**Mini Project Coordinator**

**Prof. Dhananjay Bhoge**

  
**HOD**  
**Prof. Anjali. J. Joshi**

**Prof. Anjali. J. Joshi**

  
**External Examiner**