

"Techno – Social Excellence"
Marathwada Mitramandal's
INSTITUTE OF TECHNOLOGY (MMIT)
Lohgaon, Pune-411047

Department of Engineering Sciences
PROJECT BASED LEARNING A Y 2022-23

Group No	Title of the Project	Name of group members	Name of the Guide	Pg. No
1	Arduino control path follower car	Rohan Shrinivas Mate	Prof. Mukesh Sharma	1
		Disha Khemnar		
		Praful Manesh Mutake		
		Kunal Narkhede		
		Shardul Rangadal		
2	Automatic plant irrigation system	Pranali bhausahab yenare	Dr. Ganti Prafulkumar	3
		Wagh Shivam Ananda		
		Shelke Akanksha Sunil		
		Rode Kiran Lahanu		
		Aditya Sahadev Shinde		
3	Automatic Rain sensing Viper	Nishant babu bhadane	Dr. U. P. Moharil	5
		Akshay Aniruddha Kate		
		Pratik Ramesh Ahire		
		Dalvi Abhijeet Rajaram		
		Kulkarni Aditya		
		Avhad Aditya Balasaheb		
4	Calculator	Bhavesh Phegade	Dr. Ganti Prafulkumar	7
		Sumit bhoyate		
		Priyanshu Gaikwad		
		Paul Asmita Ganesh		
		Prashant Mhaske		
		Atharva Gole		
5	Clap based bulb switch	Gadekar Shraddha Sunil	Prof. Harshal Vaidya	9
		Atharv Dixit		
		Dnyaneshwari		
		Rhutu Bhadiger		
		Om Deshmukh		
		Dev soni		
6	Diet Tracker	Aishwarya Borse	Dr. Ganti Prafulkumar	10
		Rohan Bhujbal		
		Deesha Anil Dhabale		
		Challirwar Prathamesh Ajay		
		Alhat Pratiksha Dnyaneshwar		
7	Earthquake alarm	Pallavi chandan Rathod	Dr. M. R. Yashwante	12
		Shruti shahaji patil		
		Prajakta Kishor Kulkarni		
		Shrawani Nasikkar		
		Dhanashree Sharad Modhave		
8	Educab	Harshal Salunke	Dr. B. D. Patil	14
		Imran Shaikh		
		Suraj Sawant		
		Yashraj Katkar		
		Shivam Mhadiwale		
		Siddharaj Amol Shinde		

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9	Electricity generation from dry waste	Sawant Akanksha Sudhir	Prof. Harshal Vaidya	16
		Aditya Salunke		
		Shivraj Pirgonda Patil		
		Dorage Tushar Sanjay		
		Raghunath Sanjay Shinde		
		Rushikesh Gokul Kadam		
10	Emergency Fire Alarm	Chirag Suresh Bhirud	Prof. A. G. Darekar	18
		Shivam Sharad Chechare		
		Jay Bhoge		
		Anish Kadam		
		Rajan Jadhao		
		Pranav Ishwar Baviskar		
11	Fire Fighter Robot	Sayali Sandip Sawant	Dr. M. R. Yashwante	20
		Hemakshi Nitin Ingale		
		Girija Sandeep Takale		
		Snehal Vishal Thube		
12	Food for Good	Avdhut Sachin Ghadge	Dr. Ganti Prafulkumar	22
		Onkar Nalawade		
		Prathamesh Tamane		
		Gauri Gole		
		Shreyash Ghadge		
		Paresh Lokhande		
13	Foot step power generation	Harshita jadhao	Prof. Mukesh Sharma	24
		Aarya Jadhav		
		Vibhavari Dilip Honrao		
		Tejaswini Chintawar		
		Kajal Dhokane		
		Anjali Somnath Dhumal		
14	Get supplies.co -The college market place	Krishna Dinkar Kale	Prof. A. G. Darekar	26
		Shivanand Bagali		
		Ajinkya Gavali		
		Sujal Kumar Sinha		
		Aditya Pandharkar		
		Abhay mishra		
		Veer Ashok More		
15	Health monitoring system	Tejaswini Gajanan Thube	Prof. Mukesh Sharma	28
		Samruddhi Rajendra Pandharkar		
		Sayali Rajesh Pawade		
16	Healthware App	Shitole Abhay Satish	Prof. Ms. Manisha Bhise	30
		Rutuja Anil Lokhande		
		Sayali Gorakhnath Godse		
		Laxmikant Dattatray Kulkarni		
		Deshmukh Sanyukta Arun		

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17	Home Security By Laser Light	Ramvilas Champat Rathod	Prof. A. G. Darekar	32
		Rakhi murlidhar patil		
		Prafull Shahaji Mandave		
		Soham Sanjay Khandve		
		Mane Rohini Maruti		
18	LIFI Technology	Suyash Rajesh Ghorpade	Prof. A. G. Darekar	34
		Arote Rushikesh Jitendra		
		Arjun Kumar		
		Bagawade Sujal Bhausahab		
		Sunil Rajendra Gavhane		
19	Modern Farming	Yash Ashok Jadhav	Prof. Harshal Vaidya	36
		Shivam Ramdas Jagtap		
		Holkar Atharva vitthal		
		Ingale Dnyaneshwar		
		Onkar Dilip Kakade		
20	Notification pop up through voice	Vivek Sahebrao Wadate	Prof. A. G. Darekar	38
		Sanika Dnyaneshwar Shete		
		Harsh Balaji Wattamwar		
		Ashwini Rajendra Pakhale		
21	Object detecting sensor	Arvind Hariharan	Prof. Mukesh Sharma	40
		Bakal Prasanna Anant		
		Bhadoriya Anurag Jogendra		
		Nishant Bhoi		
		Anshul Dhore		
		Vishal Ramchandra Gaikwad		
22	Python Website Blocker	Rucha Tupake	Dr. Amita Pal	42
		Vansh Bhatia		
		Ajinkya Tingre		
		Shravani Jadhav		
		Anagaha Nalawade		
		Prathamesh Dhone		
23	Radar system	Abhishek Yashwant Lokhande	Dr. Pratibha Desai	44
		Nishant Sunil Narawade		
		Aniket Machindra Shelar		
		Bhosale Anil Pandurang		
24	Radio frequency Door Lock System	Sohil mahajan	Prof. Mukesh Sharma	46
		Tushar thoke		
		Adesh Sonawane		
		Aditya wavhale		
		Abhishek Shinde		
25	Restaurant billing system	Mahesh Umakantrao Shinde	Prof. A. G. Darekar	48
		Kartik Balaji kumbhar		
		Chavan sahil rajendra		
		Rahul Mahadev mane		
		Prajwal babu bhagat		
		Aditya Mogare		

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26	Road Traffic Management System	Maithili Ingale	Prof. A. G. Darekar	50
		Samruddhi Bore		
		Divya Vaibhav Dosi		
		Purva Mavkar		
		Sakshi Giramkar		
27	Security Password Generator	Sanskriti Mali	Dr. Amita Pal	52
		Aniket Jadhav		
		Priyanka Gaikwad		
		Nihar Kilje		
		Pranav Kshirsagar		
28	Security system	Tushar Vinod Lokhande	Dr. M. R. Yashwante	54
		Saurabh Pawar		
		Sujal Rathod		
		Siddhesh Uttam Pokharkar		
		Dnyaneshwar Patil		
		Nayan Pande		
29	Seeing Beyond The Sight	Tachtode Om Narayan	Prof. Ms. Manisha Bhise	56
		Kapil Ganesh Waghumbare		
		Shaikh Firdaus Yunus		
		Zolekar Roshan Ramesh		
		Gadekar Prathamesh Laxman		
		Rohit Zagade		
30	Sign language detector	Ayush Ashish Mutake	Prof. Mukesh Sharma	58
		Manndarr Bhagwaan kackade		
		Ritesh Shinde		
		Kumbhar Omkar Shashikant		
		Sumit Bhagwan Mhashal		
31	Smart Door Lock System	Pramod Muthe	Dr. U. P. Moharil	60
		Gayatri Raju Lokhande		
		Atharav Machindra Hundare		
		Soham Santosh Raut		
		Sneha Nagargoje		
		Kiran Mahale		
32	Smoke Alarm Security System	Om Pathare	Dr. U. P. Moharil	62
		Om Vinod Gujar		
		Gayatri Anil Nandekar		
		Rutuja Koshti		
		Srushiti Jogdand		
		Sapna Bhujbal		
		Akansha Phalke		
Bhavana Dhegade				
Deepali Mane				
Mayuri Rathod				

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Lohgaon, Pune-411047

Department of Engineering Sciences
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33	Smoke Detector	Aditya Nakul Nile	Dr. M. R. Yashwante	64
		Shreyash Patil		
		Vaishakh Ingole		
		Yash Nalkande		
		Vaibhav padole		
34	Solar Heat tracker	Ritesh Gajanan Vairalkar	Dr. B. D. Patil	66
		Prathmesh Avinash Shinde		
		Siddhi Khandave		
		Diya Yashwantrao		
		Atharva Phuge		
35	Solar Tracking System	Aarya Kadam	Dr. Ganti Prafulkumar	68
		Sanjana Anantwar		
		Himanshu Patil		
		Kiran More		
		Athrava Ubale		
		Girija Dahiphale		
36	Ultrasonic Eyes	Kartik Sinkar	Prof. Mukesh Sharma	70
		Utkarsh Anecha		
		Yuvraj solanke		
		Sanskar Raut		
		Shahejad Shaikh		
		Swapnil Salunke		
37	Volumetric 3D as future	Mulay Sanika Satish	Prof. Mukesh Sharma	72
		Tirthesh Mahajan		
		Rashi Rohit Madne		
		Pratiksha Rambhau Kumbhar		
		Ajay Rajput		
38	Water level indicator	Bhagyesh Hole	Prof. Yogesh Diggikar	74
		Sanket Santosh Khule		
		Bhor Dhananjay Santosh		
		Chirayu patil		
		Paresh Kadam		
39	Webstocks	Omkar Atkari	Prof. Mukesh Sharma	76
		Bhagwat Kaduba Hiwale		
		Ashutosh Umashankar Agarwal		
		Aryan Barbade		
		Anagh Godse		
		Nitin Gabhale		
40	Word Pronouncer	Digambar Rajesh Vavare	Prof. Yogesh Diggikar	78
		Pratik Gorakh Pise		
		Nikam Sanket Tanaji		
		Tejas Brahmdeo Shirke		
		Shreyash sharad Jadhav		

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Department of First Year Engineering

Marathwada Mitra Mandal's Institute of Technology, Pune-411 047
Savitribai Phule Pune University

Project Based Learning

Report on

“Arduino control path follower car”

By






Roll No.	Seat No.	Name of the Student
223	F190590169	Disha khemnar
233	F190590267	Praful Mutake
229	F190590210	Rohan Shrinivas Mate
235	F190590232	kunal Narkhede
140	F190590310	Shaerul Rangdal

Under the Guidance of

Mr. Mukesh Sharma

DECLARATION

I hereby declare that the work carried out by us this project is our own work and is not copied from elsewhere.

Roll No.	Seat No.	Name of the Student	Signature
223	F190590169	Disha Khemnate	
233	F190590207	Pranjal Mutake	
229	F190590210	Rohan. Mate	
235	F190590232	Kunal. Narkhede	
140	F190590310	Shardul. Kungdal	

CERTIFICATE

This is to certify that the above students have successfully completed the Project Based Learning activity on said project 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: 14/07/23

Place: Pune


Faculty Coordinator




Dr. Umesh Moharil
HOD, Engineering Sciences

“Techno-Social Excellence”



येथे बहुतांचे हित

Department of First Year Engineering

Marathwada Mitra Mandal's Institute of Technology, Pune-411 047
Savitribai Phule Pune University

Project Based Learning

Report on

Automatic plant irrigation system

By

Roll No.	Seat No.	Name of the Student
249	FIG0590314	Shinde Aditya Sahadev
253	FIG0590353	Wagh shivam Ananda
256	FIG0590362	Yenare pranali Bhausaheb
248	FIG0590312	Shelke Akanksha Sunil
243	FIG0590286	Rode kiran Lahanu

Under the Guidance of

Prapul Patel

Marathwada Mitra Mandal's
Institute of Technology (MMIT)
Lohgaon, Pune - 411047
Accredited with "A" grade by NAAC"

CERTIFICATE


This is to certify that the project entitled

"Automatic plant irrigation system_" is a bonafide work carried out by the following students and it is submitted to the Marathwada Mitra Mandal's Institute of Technology, Lohgaon, Pune, (affiliated to Savitribai Phule Pune University, Pune) for the partial fulfillment of the requirement for the award of the degree of Bachelor's Degree for the subject Project Based Learning (PBL) in the First Year Engineering.

Student Name

SPPU Exam Seat No.

Shinde Aditya Sahadev	SPPU Exam Seat No.F190590314
Wagh Shivam Ananda	SPPU Exam Seat No.F190590353
Yenare Pranali Bhausahab	SPPU Exam Seat No.F190590362
Shelke Akanksha Sunil	SPPU Exam Seat No.F190590312
Rode Kiran Lahanu	SPPU Exam Seat No.F190590286


Dr. Prapul Patel.
(Faculty Supervisor)



Dr. U. P. Moharil
(Head of Department)


Dr. Umesh Moharil
Head of Department, Engineering Sciences

“Techno-Social Excellence”



येथे बहुतांचे हित

Department of First Year Engineering

Marathwada Mitra Mandal's Institute of Technology, Pune-411
047 Savitribai Phule Pune University

Project Based Learning

Report on

Automatic Rain sensing wiper.

By

Roll No.	Seat No.	Name of the Student
302	Fig0590160	AKSHAY Aniruddha Kate.
301	Fig0590005	pratik Ahize Ramesh. Ahize.
311	Fig0590064	Dadhri Abhijeet RAJARAM.
304	Fig0590022	AVHAD Aditya Balasaheb.
306	Fig0590035	Bhadane Nishant Bapu.
320	Fig0590177	Kulkarni Aditya Santosh.

Under the Guidance of

Dr. U.P. Mohari

DECLARATION

I hereby declare that the work carried out by us this project is our own work and is not copied from elsewhere.

Roll No.	Seat No.	Name of the Student	Signature
302	Fig0590160	AKSHAY ANIBUDDHA KATE.	<u>Akshay</u>
301	Fig059005	AHIRE PRATIK RAMESH.	<u>P.R. Ahire</u>
311	Fig0590064	DADRI ABHIJEET RAJARAM.	<u>Abhi</u>
304	Fig059002	AVHAD ADITYA - BALASAHEB.	<u>Avhad</u>
306	Fig0590035	BHADANE NISHANT BAPU.	<u>NBhadane</u>
320	Fig059017	KULKARNI ADITYA SANTOSH.	

CERTIFICATE

This is to certify that the above students have successfully completed the Project Based Learning activity on said project under my supervision, in the partial fulfilment of academics of Savitribai Phule Pune University, at Marathwada Mitra Mandra's Institute of Technology, Lohgaon, Pune.

Date: 14/7/23

Place: Pune

Faculty Coordinator

U.P. Mohant
13/7/23

U.P. Mohant
Dr. Umesh Mohant
HOD, Engineering Sciences



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Department of First Year Engineering

Marathwada Mitra Mandal's Institute of Technology, Pune-411 047
Savitribai Phule Pune University

Project Based Learning

Report on

Calculator

By

Roll No.	Seat No.	Name of the Student
416	FI90590112	Atharva Gole
461	FI90590217	Sumit Bhoyate
444	FI90590020	Bhavesh Phegade
435	FI90590214	Prashant Mhaske
411	FI90590009	Priyanshu Gaikwad
442	FI90590056	Asmita Paul

Under the Guidance of

Prof: Prapul Patel

DECLARATION

I hereby declare that the work carried out by us this project is our own work and is not copied from elsewhere.

Roll No.	Seat No.	Name of the Student	Signature
416	FIG0590112	Atharva Gale	AS Gale
461	FIG0590007	Sumit Bhoyate	Sumit
444	FIG0590000	Bhavesh Phogade	Bhavesh
435	FIG0590004	Prashant Mhaske	Prashant Mhaske
411	FIG0590091	Priyanshu Gaikwad	Priyanshu Gaikwad
442	FIG0590250	Asmita Paul	Asmita

CERTIFICATE

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Date: 14/07/2023

Place: Pune

Faculty Coordinator



U.P. Mohari
Dr. Umesh Mohari
HOD, Engineering Sciences

Marathwada Mitra Mandal's
Institute of Technology (MMIT)
Lohgaon, Pune - 411047
Accredited with "A" grade by NAAC"

CERTIFICATE

This is to certify that the project entitled

"Clap based bulb switch"

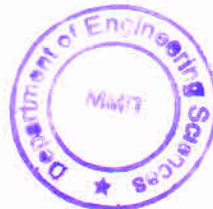
is a bonafide work carried out by the following students and it is submitted to the Marathwada Mitra Mandal's Institute of Technology, Lohgaon, Pune, (affiliated to Savitribai Phule Pune University, Pune) for the partial fulfillment of the requirement for the award of the degree of Bachelor's Degree for the subject Project Based Learning (PBL) in the First Year Engineering.

Student Name	SPPU Exam Seat No.
1)Shraddha Gadekar	SPPU Exam Seat No: F190590088
2)Dnyaneshwari	SPPU Exam Seat No: F190590083
3)Rhutu Bhadiger	SPPU Exam Seat No: F190590026
4)Atharv Dixit	SPPU Exam Seat No: F190590081
5)Om Deshmukh	SPPU Exam Seat No: F190590066
6)Dev Soni	SPPU Exam Seat No: F190590070

Name of Faculty Supervisor

Mr. Shashikant Golande Sir

Dr. Prapaul Patel



Dr. U. P. Moharil Sir

(Head of Department)

U.P. Moharil

Dr. Umesh Moharil
HOD, Engineering Sciences

“Techno-SocialExcellence”



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Department of First Year Engineering

Marathwada Mitra Mandal's Institute of Technology, Pune-411
047 Savitribai Phule Pune University

Project Based Learning

Report on

Diet Tracker App

By





Roll No.	Seat No.	Name of the Student
303	F190590006	Alhat Pratiksha Dnyaneshwar
307	F190590048	Bhujbal Rohan Bansi
308	F190590051	Borse Aishwarya Samadhan
309	F190590053	Challirwar Prathamesh Ajay
315	F190590071	Dhabale Deesha Anil

Under the Guidance of

Dr. Prapul Patel Sir

DECLARATION

I hereby declare that the work carried out by us this project is our own work and is not copied from elsewhere.

Roll No.	Seat No.	Name of the Student	Signature
303	F190590006	Alhat Pratiksha Dnyaneshwar	
307	F190590048	Bhujbal Rohan Bansi	
308	F190590051	Borse Aishwarya Samadhan	
309	F190590053	Challirwar Prathamesh Ajay	
315	F190590071	Dhabale Deesha Anil	

CERTIFICATE

This is to certify that the above students have has successfully completed the Project Based Learning activity on said project 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:14/07/2023

Place: Pune


Faculty Coordinator





Dr. Umesh Mohari
HOD, Engineering Sciences

“Techno-Social Excellence”



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Department of First Year Engineering

Marathwada Mitra Mandal's Institute of Technology, Pune-411 047
Savitribai Phule Pune University

Project Based Learning

Report on

Earthquake Alarm

By






Roll No.	Seat No.	Name of the Student
126	F190590199	Prajakta Kishor Kulkarni
130	F190590216	Dhanashree Sharad Modhave
142	F190590274	Pallavi Chandan Rathod.
137	F190590255	Shruti Shahaji Patil
122	F190590233	Shrawani Shrikant Nasikkar

Under the Guidance of

Prof. Meghana Yashwante

DECLARATION

I hereby declare that the work carried out by us this project is our own work and is not copied from elsewhere.

Roll No.	Seat No.	Name of the Student	Signature
126	F190590179	Prajakta Kishor Kulkarni	
122	F190590233	Shrawani Masikkar	
142	F190590274	Pallavi Chandan Rathod	
137	F190590285	Shruti Shanaji Patil	
130	F190590216	Dhanashree Madhavo	

CERTIFICATE

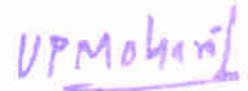
This is to certify that the above students have successfully completed the Project Based Learning activity on said project under my supervision, in the partial fulfilment of academics of Savitribai Phule Pune University, at Marathwada Mitra Manda's Institute of Technology, Lohgaon, Pune.

Date: 14/7/2023

Place: Pune

Faculty Coordinator





Dr. Umesh Mohari
HOD, Engineering Sciences

“Techno-Social Excellence”



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Department of First Year Engineering

Marathwada Mitra Mandal's Institute of Technology, Pune-411 047
Savitribai Phule Pune University

Project Based Learning

Report on

EduCabs. - An Educational Website

By

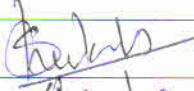


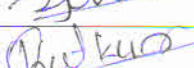


Roll No.	Seat No.	Name of the Student
247	A90590307	Imman Shaikh
257	A90590319	Siddhraj Shinde
244	A90590293	Hanshat Salunke
246	A90590305	Sunay Sawant
257	A90590161	Yashraj Kattkar
259	A90590187	Shivam ^{mhadliwal} manad

Under the Guidance of

Bhuvneshwar patil

DECLARATION

I hereby declare that the work carried out by us this project is our own work and is not copied from elsewhere.

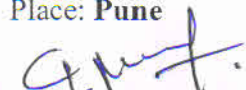
Roll No.	Seat No.	Name of the Student	Signature
247	FIG0590307	Imran Shaikh	
251	FIG0590319	Siddhraj Shinde	
244	FIG0590293	Hansheer Salunke	
246	FIG0590303	Sunay Sawant	
257	FIG0590161	Yashraj Kattkar	
259	FIG059018	Shivam Mhadikar	

CERTIFICATE

This is to certify that the above students have successfully completed the Project Based Learning activity on said project 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: 14/07/2023

Place: Pune


Faculty Coordinator




Dr. Umesh Mohari
HOD, Engineering Sciences

A Project Based Learning Report On
“ELECTRICITY GENERATION FROM DRY WASTE”

Submitted Towards The
Partial Fulfillment of The Requirements of
Bachelor of Engineering

First Year Engineering
Academic Year: 2020-21



“येथे बहुतांचे हित”
MMIT

Marathwada Mitra Mandal's
Institute of Technology (MMIT)
Lohgaon, Pune - 411047
Accredited with “A” grade by NAAC”

Submitted by -

346	Name of student: Tushar Sanjay Dorage	Exam Seat No. F190590084
343	Name of student: Rushikesh Gokul Kadam	Exam Seat No. F190590151
349	Name of student: Shivraj Pirgonda Patil	Exam Seat No. F190590253
344	Name of student: Aditya Chandrakant Salunke	Exam Seat No. F190590292
345	Name of student: Akarsha Sudhir Sawant	Exam Seat No. F190590301
348	Name of student: Raghunath Sanjay Shinde	Exam Seat No. F190590318

Faculty Supervisor

Write here the Name of the faculty

Marathwada Mitra Mandal's
Institute of Technology (MMIT)
Lohgaon, Pune - 411047
Accredited with "A" grade by NAAC

CERTIFICATE

This is to certify that the project entitled

"_Electricity Generation From Dry Waste_"

is a bonafide work carried out by the following students and it is submitted to the Marathwada Mitra Mandal's Institute of Technology, Lohgaon, Pune, (affiliated to Savitribai Phule Pune University, Pune) for the partial fulfillment of the requirement for the award of the degree of Bachelor's Degree for the subject Project Based Learning (PBL) in the First Year Engineering.

Student Name

SPPU Exam Seat No.

Name of student: Tushar Sanjay Dorage	Exam Seat No. F190590084
Name of student: Rushikesh Gokul Kadam	Exam Seat No. F190590151
Name of student: Shivraj Pirgonda Patil	Exam Seat No. F190590253
Name of student: Aditya Chandrakant Salunke	Exam Seat No. F190590292
Name of student: Akansha Sudhir Sawant	Exam Seat No. F190590301
Name of student: Raghunath Sanjay Shinde	Exam Seat No. F190590318



Name of Faculty Supervisor
(Faculty Supervisor)

Dr. U. P. Moharil
(Head of Department)


Dr. Umesh Moharil
HOD, Engineering Sciences



“Techno-Social Excellence”



येथे बहुतांचे हित

Department of First Year Engineering

Marathwada Mitra Mandal's Institute of Technology, Pune-411 047
Savitribai Phule Pune University

Project Based Learning

Report on

Emergency Fire Alarm

By

Roll No.	Seat No.	Name of the Student
202	F190590149	Anish Kadam
206	F190590033	Pranav Baviskar
208	F190590042	Jay Bhoge
210	F190590059	Shivam Chechare
211	F190590061	Chirag Bhirud
219	F190590131	Rajan Jadhao

Under the Guidance of

Prof. Anil. G. Darekar Sir

Prof. Prapul Patel Sir

DECLARATION

I hereby declare that the work carried out by us this project is our own work and is not copied from elsewhere.

Roll No.	Seat No.	Name of the Student	Signature
202	F190590149	Anish Kadam	Anish K.
206	F190590083	Pranav Baviskar	Pranav
208	F190590042	Jay Bhoge	J. Bhoge
210	F190590059	Shivam Chechare	Shivam
211	F190590061	Chirag Bhirud	Chirag
219	F190590131	Rajan Jadhao	R.D. Jadhao

CERTIFICATE

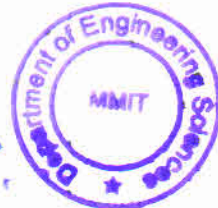
This is to certify that the above students have has successfully completed the Project Based Learning activity on said project under my supervision, in the partial fulfilment of academics of Savitribai Phule Pune University, at Marathwada Mitra Manda's Institute of Technology, Lohgaon, Pune.

Date: 14/07/2023

Place: Pune

Faculty Coordinator

A. D. Jadhao



V. Moharil
V. Moharil
r. OD, Engineering Sciences

“Techno-Social Excellence”



येथे बहुतांचे हित

Department of First Year Engineering

Marathwada Mitra Mandal's Institute of Technology, Pune-411 047
Savitribai Phule Pune University

Project Based Learning

Report on

Fire Fighter Robot
By





Roll No.	Seat No.	Name of the Student
144	FIG0590124	Hemakshi Ingale
145	FIG0590302	Sayali Sawant
152	FIG0590339	Snehal Thube
151	FIG0590333	Girija Takale.

Under the Guidance of

Dr. M. Yashwante

DECLARATION

I hereby declare that the work carried out by us this project is our own work and is not copied from elsewhere.

Roll No.	Seat No.	Name of the Student	Signature
144	F190590124	Hemakshi Ingale	
152	F19059339	Shehal Thube	
145	F190590302	Sayali Sawant	
151	F190590333	Girija Tabkale	

CERTIFICATE


This is to certify that the above students have successfully completed the Project Based Learning activity on said project 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: 14 - 7 - 2023

Place: Pune


Faculty Coordinator




Dr. Umesh Mohari
HOD, Engineering Sciences

“Techno-Social Excellence”



येथे बहुतांचे हित

Department of First Year Engineering

Marathwada Mitra Mandal's Institute of Technology, Pune-411 047
Savitribai Phule Pune University

Project Based Learning

Report on

Food for Good,

By







Roll No.	Seat No.	Name of the Student
335	F190590229	ONKAR · NALAWADE
340	F190590334	PRATHAMESH · TAMANE
322	F190590896	GUARI · GOLE
332	F190590191	PARISH LOKHANDE
323	F190590101	AUDHUT · GHADGE
324	F190590102	SHREYASH · GHADGE

Under the Guidance of

Dr. Ganti Pratul

DECLARATION

I hereby declare that the work carried out by us this project is our own work and is not copied from elsewhere.

Roll No.	Seat No.	Name of the Student	Signature
335	F190590229	ONKAR · NALAWADA	
340	F190590334	PRATHAMESH · T	
322	F190590334	GAURI · GOLE	
332	F190590191	PARESH · LOKHANDE	
323	F190590101	AUDHUT · GHADGE	
324	F190590102	SHREYASH · GHADGE	

CERTIFICATE

This is to certify that the above students have has successfully completed the Project Based Learning activity on said project 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: 14/7/23

Place: Pune


Faculty Coordinator





Dr. Umesh Mohari
HOD, Engineering Sciences

“Techno-Social Excellence”



येथे बहुतांचे हित

Department of First Year Engineering

Marathwada Mitra Mandal's Institute of Technology, Pune-411 047
Savitribai Phule Pune University

Project Based Learning

Report on

Foot Step power generation

By

Roll No.	Seat No.	Name of the Student
120	F190590130	Harshita K. Jadhao
112	F190590011	Anjali S. Dhumal
118	F190590121	Vibhavarani D. Honrao
109	F190590060	Tejaswini S. Chintawar
121	F190590132	Aanya C. Jadhav
110	F190590075	Kajal B. Dhokane

Under the Guidance of

Mukesh Sharma Sir.

DECLARATION

I hereby declare that the work carried out by us this project is our own work and is not copied from elsewhere.

Roll No.	Seat No.	Name of the Student	Signature
120	F190590 130	Haryshita K. Jadhav	Haryshita
112	F19059 0011	Anjali S. Dhumal	A. S. Dhumal
118	F19059 0121	Vibhavarani D. Honerao	Vibhavarani
109	F19059 0060	Tejaswini S. Chintawar	Tejaswini
121	F19059 0132	Aarunya C. Jadhav	Aarunya C. Jadhav
110	F19059 0075	Kajal B. Dhokane	

CERTIFICATE

This is to certify that the above students have successfully completed the Project Based Learning activity on said project 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: 14/07/23

Place: Pune

Faculty Coordinator  Mukesh Sharma Sir




Dr. Umesh Mohari
HOD, Engineering Sciences

"Techno-Social Excellence"



येथे बहुतांचे हित

Department of First Year Engineering

Marathwada Mitra Mandal's Institute of Technology, Pune-411 047
Savitribai Phule Pune University

Project Based Learning

Report on

Getsupplies.Co - The College Marketplace
By



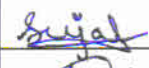


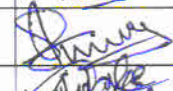

Roll No.	Seat No.	Name of the Student
459	F190590097	AJINKYA GAVALI (TL)
462	F190590215	ABHAY MISHRA
455	F190590329	SUJAL KUMAR SINHA
440	F190590243	ADITYA PANDHARKAR
460	F190590221	VEER MORE
403	F190590027	SHIVANAND BAGALI
465	F190590154	KRISHNA KALE

Under the Guidance of

Dr. Pratul Patel

DECLARATION

I hereby declare that the work carried out by us this project is our own work and is not copied from elsewhere.

Roll No.	Seat No.	Name of the Student	Signature
459	F19059007	Ajinkya Gavali	
462	F19059015	Abhay Mishra	
455	F190590329	Sujal kumar Sinha	
440	F190590243	ADITYA PANDARKAR	
460	F190590221	Veer Mone	
403	F190590077	Shivanand Bagali	
465	F190590154	KRISHNA KALE	

CERTIFICATE

This is to certify that the above students have successfully completed the Project Based Learning activity on said project 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: 14/07/2023

Place: Pune


Faculty Coordinator




Prakash Mesh Moharil
HOD, Engineering Sciences

“Techno-Social Excellence”



येथे बहुतांचे हित

Department of First Year Engineering

Marathwada Mitra Mandal's Institute of
Technology, Pune-411 047 Savitribai Phule
Pune University

Project Based Learning

Report on

Health Monitoring System.

By




Roll No.	Seat No.	Name of the Student
153	F190590340	Tejaswini Thube
159	F190590244	Samruddhi Pandarkar
160	F190590257	Sayali Pawade

Under the Guidance of

for Sharma M.M.

DECLARATION

I hereby declare that the work carried out by us on this project is our own work and is not copied from elsewhere.

Roll No.	Seat No.	Name of the Student	Signature
153	F190590340	Tejaswini Thube	
159	F190590244	Samruddhi Pandharkar	
160	F190590257	Sayali Pawade	

CERTIFICATE

This is to certify that the above students have successfully completed the Project Based Learning activity on said project 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**

Faculty Coordinator






Dr. Umesh Mohari
HOD, Engineering Sciences

“Techno-Social Excellence”



येथे बहुतांचे हित

Department of First Year Engineering

Marathwada Mitra Mandal's Institute of Technology, Pune-411 047
Savitribai Phule Pune University

Project Based Learning

Report on

HealthWare App

By

Roll No.	Seat No.	Name of the Student
427	F190590178	Kulkarni Laxmikant Dattatray
453	F190590321	Shitole Abhay Satish
410	F190590068	Deshmukh Sanyukta Arun
4	F190590111	Godse Sayali Gorakhnath
4	F190590192	Lokhande Rutuja Anil

Under the Guidance of

Mr. Praful Patel

DECLARATION

I hereby declare that the work carried out by us this project is our own work and is not copied from elsewhere.

Roll No.	Seat No.	Name of the Student	Signature
427	F190590178	kulkarni Laxmikant Dattatray	
453	F190590321	Shitole Abhay Satish	
410	F190590068	Deshmukh Sanyukta Arun	
415	F190590111	Gradse Sayali Gorakhnath	
429	F190590192	Lokhande Rutuja Anil	

CERTIFICATE


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Date: 14/07/23

Place: Pune


Faculty Coordinator




U.P. Mohant
Head, Engineering Sciences

“Techno-Social Excellence”



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Department of First Year Engineering

Marathwada Mitra Mandal's Institute of Technology, Pune-411
047 Savitribai Phule Pune University

Project Based Learning

Report on

Home Security by Laser Light

By

Roll No.	Seat No.	Name of the Student
222	F190590166	Soham Sanjay Khandve
227	F190590203	Prafull Shahaji Mandave
228	F190590207	Rohini Maruti Mane
237	F190590252	Rakhi Murlidhar Patil
241	F190590275	Ramvilas Champat Rathod

Under the Guidance of


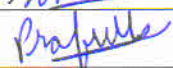
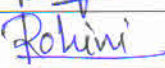

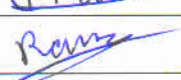
Prof. Anil G. Darekar

Prof. Prapul Patel

Prof. Harshal Vaidya

DECLARATION

I hereby declare that the work carried out by us this project is our own work and is not copied from elsewhere.

Roll No.	Seat No.	Name of the Student	Signature
222	F190590166	Soham Sanjay Khandve	
227	F190590203	Prafull Shahaji Mandave	
228	F190590207	Rohini Maruti Mane	
237	F190590252	Rakhi Murlidhar Patil	
241	F190590275	Ramvilas Champat Rathod	

CERTIFICATE

This is to certify that the above students have successfully completed the Project Based Learning activity on said project 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: 14/7/2023

Place: Pune


Faculty Coordinator



Prof. Anil G. Darekar

Prof. Prapul Patel

Prof. Harshal Vaidya


Prof. Anil G. Darekar
HOD, Engineering Sciences



“Techno-Social Excellence”



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Department of First Year Engineering

Marathwada Mitra Mandal's Institute of Technology, Pune-411 047
Savitribai Phule Pune University

Project Based Learning

Report on

LiFi

By

Roll No.	Seat No.	Name of the Student
203	F190590012	Arjun kumar
205	F190590028	Bagawade Sujal Bhausahab
204	F190590013	Arote Rushikesh Jitendra
213	F190590098	Gavhane Sunil Rajendra
214	F190590105	Ghorpade Suyash Rajesh

Under the Guidance of

prof Anil G. Dasekar

DECLARATION

I hereby declare that the work carried out by us this project is our own work and is not copied from elsewhere.

Roll No.	Seat No.	Name of the Student	Signature
203	F190590012	Arjun Kumar	Arjun
205	F190590028	Bagawade Sujal Bhausaheb	
204	F190590013	Arote Rushikesh Jitendra	
213	F190590099	Gavhane Sunil Rajendra	
214	F190590185	Ghorpade Suyash Rajendra	

CERTIFICATE

This is to certify that the above students have successfully completed the Project Based Learning activity on said project 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: 14/07/2023

Place: Pune

Faculty Coordinator







Dr. Prakash Mohanji
Faculty, Engineering Sciences

“Techno-Social Excellence”



येथे बहुतांचे हित

Department of First Year Engineering

Marathwada Mitra Mandal's Institute of Technology, Pune-411 047
Savitribai Phule Pune University

Project Based Learning

Report on

Modern Farming

By

Roll No.	Seat No.	Name Of Student
207	F190590153	Omkar Dilip Kakade
216	F190590120	Atharv Vitthal Holkar
217	F190590123	Dnyaneshwar Shriram Ingale
220	F190590138	Yash Ashok Jadhav
221	F190590140	Shivam Ramdas Jagtap

Under the Guidance of




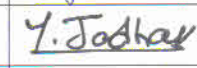

Prof. Anil G. Darekar

Prof. Prapul Patel

Prof. Harshal Vaidya

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Roll No.	Seat No.	Name of the Student	Signature
207	F190590153	Omkar Dilip Kakade	
216	F190590120	Atharv Vitthal Holkar	
217	F190590123	Dnyaneshwar Shriram Ingale	
220	F190590138	Yash Ashok Jadhav	
221	F190590140	Shivam Ramdas Jagtap	

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Date:14/07/2023

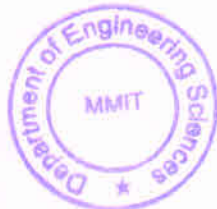
Place: **Pune**


Faculty Coordinator : _____

Prof. Anil G. Darekar

Prof. Prapul Patel

Prof. Harshal Vaidya





Dr. Umesh Moharil
HOD, Engineering Sciences

“Techno-Social Excellence”



येथे बहुतांचे हित

Department of First Year Engineering

Marathwada Mitra Mandal's Institute of Technology, Pune-411 047
Savitribai Phule Pune University

Project Based Learning

Report on

Notification Pop-up through Voice
By

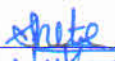



Roll No.	Seat No.	Name of the Student
245	F190590298	Sanika Dnyaneshwar Shete
252	F190590352	Vivek Sahebrao Wadate
254	F190590355	Harsh Balaji Wattamwar
260	F190590240	Ashwini Rajendra Pakhale

Under the Guidance of

Dr. Ganti. Pratul

DECLARATION

I hereby declare that the work carried out by us this project is our own work and is not copied from elsewhere.

Roll No.	Seat No.	Name of the Student	Signature
245		Sanika Dnyaneshwar Shete	
252		Vivek Sahebrao Wadate	
254		Harsh Balaji Wattamwar	
260		Ashwini Rajendra Pakhale	

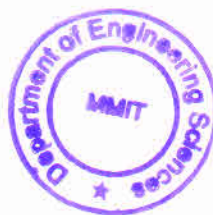
CERTIFICATE

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Date: 14/07/2023

Place: Pune

Faculty Coordinator



Dr. Umesh Mohari
HOD, Engineering Sciences

“Techno-Social Excellence”



चेद्ये बहुतांचे हित

Department of First Year Engineering

Marathwada Mitra Mandal's Institute of Technology, Pune-411
047 Savitribai Phule Pune University

Project Based Learning

Report on

Object Detecting Sensor

By


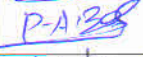




Roll No.	Seat No.	Name of the Student
102	F190590014	ARVIND HARIHARAN
104	F190590029	PRASANNA BAKAL
106	F190590036	ANURAG BHADORIYA
107	F190590043	NISHANT BHOI
111	F190590078	ANSHUL DHORE
114	F190590094	VISHAL GAIKWAD

Under the Guidance of

MUKESH SHARMA SIR

DECLARATION

I hereby declare that the work carried out by us this project is our own work and is not copied from elsewhere.

Roll No.	Seat No.	Name of the Student	Signature
102	F190590014	ARVIND HARIHARAN	
104	F190590029	PRASANNA BAKAL	
106	F190590036	ANURAG BHADORIYA	
107	F190590043	NISHANT BHOI	
111	F190590078	ANSHUL DHORE	
114	F190590094	VISHAL GAIKWAD	

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Date: 14/July/2023

Place: Pune

Faculty Coordinator

Dr. Praful Ratel Sir

Sharma 19.19

Mukesh Sharma sir



UP Mohanji

Dr. Umesh Mohanji
HOD, Engineering Sciences

"Techno-Social Excellence"



येथे बहुतांचे हित

Department of First Year Engineering

Marathwada Mitra Mandal's Institute of Technology, Pune-411 047

Savitribai Phule Pune University

Project Based Learning

Report on

Python Website Blocker

By







Roll No.	Seat No.	Name of the Student
363	F190590341	Ajinkya Tingre
354	F190590039	Vansh Bhatia
350	F190590135	Shravani Jadhav
353	F190590343	Rucha Tupake
362	F19059 0343	Anagha Nalawade
361	F190590076	Prathmesh phone

Under the Guidance of

Dr. Prathull Patel

DECLARATION

I hereby declare that the work carried out by us this project is our own work and is not copied from elsewhere.

Roll No.	Seat No.	Name of the Student	Signature
363	F190590341	Ajinkya Tingre	
354	F19059039	Varsh Bhatia	
350	F190590135	Shravani Jadhav	
353	F190590343	Rucha Tupake	
362	F190590 3 ²⁸	Anagha Nalawade	
361	F19059036	Prathamesh Dhore	

CERTIFICATE

This is to certify that the above students have has successfully completed the Project Based Learning activity on said project 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: 14/07/2023

Place: Pune


Faculty Coordinator




Dr. Umesh Moharil
HOD, Engineering Sciences

“Techno-SocialExcellence”



चेथे बहुतांचे हित

Department of First Year Engineering

Marathwada Mitra Mandal's Institute of Technology, Pune-411
047 Savitribai Phule Pune University

Project Based Learning

Report on

“Radar System”
By

Roll No.	Seat No.	Name of the Student
450	F190590311	Sherlar Aniket Machindra
406	F190590045	Bhosale Anil Pandurang
463	F190590189	Lokhande Abhishek Yashwant
438	F190590231	Narwade Nishant Sunil

Under the Guidance of

Dr. Praphul Patel

DECLARATION

I hereby declare that the work carried out by us this project is our own work and is not copied from elsewhere.

Roll No.	Seat No.	Name of the Student
450	F190590311	Sherlar Aniket Machindra
406	F190590045	Bhosale Anil Pandurang
463	F190590189	Lokhande Abhishek Yashwant
438	F190590231	Narwade Nishant Sunil

CERTIFICATE

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Date: 14/07/23

Place: Pune

Faculty Coordinator



UP Mohan
Dr. Umesh Mohan
HOD, Engineering Sciences

“Techno-SocialExcellence”



येथे बहुतांचे हित

Department of First Year Engineering

Marathwada Mitra Mandal's Institute of Technology, Pune-411
047 Savitribai Phule Pune University

Project Based Learning

Report on

Radio Frequency Door lock System.

By






Roll No.	Seat No.	Name of the Student
150	F190590327	Aadesh Sorawane
158	F190590199	Sabil Mahajan
147	F19059030	Abhishek Shinde
156	F190590356	Aditya Wavhal
162	F190590337	Tushar Thore

Under the Guidance of

Dr. Ganti PRAFUL

DECLARATION

I hereby declare that the work carried out by us this project is our own work and is not copied from elsewhere.

Roll No.	Seat No.	Name of the Student	Signature
150	F190590327	Aadesh Sonawane	
147	F190590323	Abhishek Shinde	
162	F190590327	Tushar Thakre	
158	F190590356	Aditya Wadhwa	
156	F19059199	Sahil Mohajan	

CERTIFICATE

This is to certify that the above students have successfully completed the Project Based Learning activity on said project under my supervision, in the partial fulfilment of academics of Savitribai Phule Pune University, at Marathwada Mitra Manda's Institute of Technology, Lohgaon, Pune.

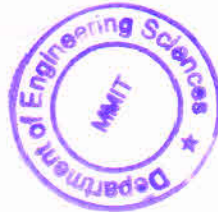
Date: 14/7/2023.

Place: Pune


Faculty Coordinator



Dr. Umesh Mohari
HOD, Engineering Sciences



“Techno-Social Excellence”



येथे बहुतांचे हित

Department of First Year Engineering

Marathwada Mitra Mandal's Institute of Technology, Pune-411 047
Savitribai Phule Pune University

Project Based Learning

Report on

Restaurant Billing System

By






Roll No.	Seat No.	Name of the Student
408	F190590068	Chavan Sahil Rajendra
451	F190590315	Shinde Maheesh -V
436	F190590247	Mogare Aditya Santosh
404	F190590037	Bhagat Pradwal Bapu
432	F190590206	Manu Rahul Mahadev
428	F190590181	Kumbhat Kartik Balaji

Under the Guidance of

Mr. Prafull Patel

DECLARATION

I hereby declare that the work carried out by us this project is our own work and is not copied from elsewhere.

Roll No.	Seat No.	Name of the Student	Signature
408	F190590038	Sahil Chavan	
451	F190590315	Mahesh Shinde	
436	F190590211	Aditya Mogare	
404	F190590038	Pranjal Bhagat	
432	F190590200	Rahul Mane	
428	F190590018	Kartik Kumbhar	

CERTIFICATE

This is to certify that the above students have has successfully completed the Project Based Learning activity on said project 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: 14-7-23

Place: Pune


Faculty Coordinator





Dr. Umesh Mohari
HOD, Engineering Sciences

“Techno-Social Excellence”



येथे बहुतांचे हित

Department of First Year Engineering

Marathwada Mitra Mandal's Institute of Technology, Pune-411 047
Savitribai Phule Pune University

Project Based Learning

Report on

Road Traffic Management System

By






Roll No.	Seat No.	Name of the Student
209	F190590050	Samruddhi Vijay Bore
212	F190590085	Divya Vaibhav Dosi
201	F190590211	Purva Jaysing Markar
215	F190590107	Sakshi Narayan Giramkar
218	F190590125	Maithili Dnyeshwar Ingale

Under the Guidance of

Mr. Anil. G. Darekar

DECLARATION

I hereby declare that the work carried out by us this project is our own work and is not copied from elsewhere.

Roll No.	Seat No.	Name of the Student	Signature
209	F190590080	Sammudhe Vijay Bore	
212	F190590085	Divya Vaibhav Dasi	
201	F190590211	Purva Jaysingh mavkar	
215	F190590107	Sakshi Narayan Giramkar	
218	F190590125	mathur Dnyaneshwar Jagale	

CERTIFICATE

This is to certify that the above students have has successfully completed the Project Based Learning activity on said project 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: 14-07-23

Place: Pune


Faculty Coordinator





Dr. Umesh Mohari
HOD, Engineering Sciences

“Techno-Social Excellence”



येथे बहुतांचे हित

Department of First Year Engineering

Marathwada Mitra Mandal's Institute of Technology, Pune-411 047 Savitribai
Phule Pune University

Project Based Learning

Report on

Password Generator

By

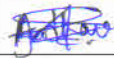
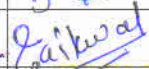




Roll No.	Seat No.	Name of the Student
402	F190590009	Aniket Jijabrao Jadhav
422	F190590090	Priyanka Sachin Gaikwad
424	F190590171	Nihar Dinesh Kilje
426	F190590176	Pranav Gajanan Kshirsagar
430	F190590202	Sanskriti Shashikant Mali
433	F190590209	Vivek Madhukar Mane

Under the Guidance of

Dr. Prapul Patel & Dr. Amita Pal

DECLARATION

I hereby declare that the work carried out by us this project is our own work and is not copied from elsewhere.

Roll No.	Seat No.	Name of the Student	Signature
402	F190590009	Aniket Jijabrao Jadhav	
422	F190590090	Priyanka Sachin Gaikwad	
424	F190590171	Nihar Dinesh Kilje	
426	F190590176	Pranav Gajanan Kshirsagar	
430	F190590202	Sanskriti Shashikant Mali	
433	F190590209	Vivek Madhukar Mane	

CERTIFICATE

This is to certify that the above students have has successfully completed the Project Based Learning activity on said project 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: 14/7/23

Place: Pune


Faculty Coordinator




Mr. Umesh Mohari
HOD, Engineering Sciences

“Techno-Social Excellence”



येथे बहुतांचे हित

Department of First Year Engineering

Marathwada Mitra Mandal's Institute of Technology, Pune-411 047
Savitribai Phule Pune University

Project Based Learning

Report on

Security Systems

By





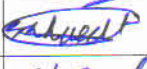
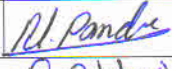

Roll No.	Seat No.	Name of the Student
125	F190590162	Pratik Kharat
124	F190590277	Sujal Rathod
138	F190590252	Aurabh Pawar
135	F190590250	Dnyaneshwar Patil
127	F190590193	Tushar Lokhande
123	F190590242	Nayan Pande
139	F190590265	Siddhesh Potkharikar

Under the Guidance of

Meghna Yashwantrao Mam.

DECLARATION

I hereby declare that the work carried out by us this project is our own work and is not copied from elsewhere.

Roll No.	Seat No.	Name of the Student	Signature
138	F190590258	Saurabh Pawar	
135	F190590250	Dnyaneshwar Patil	
127	F190590193	Turboor Lektoneke	
124	F190590277	Nyjal Rathod	
125	F190590168	Kharrat Satvik	
123	F190590242	Nayam Pando	
139	F190590265	Siddhesh Pokharkar	

CERTIFICATE

This is to certify that the above students have has successfully completed the Project Based Learning activity on said project 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: 14/07/23

Place: Pune


Faculty Coordinator




Imesh Mohari
HOD, Engineering Sciences

“Techno-Social Excellence”



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Department of First Year Engineering

Marathwada Mitra Mandal's Institute of Technology, Pune-411 047
Savitribai Phule Pune University

Project Based Learning

Report on

Seeing Beyond Sight

By

Roll No.	Seat No.	Name of the Student
347	F190590306	SHAIKH FIRDAUS YUNUS
355	F190590354	Waghumbare Kapil Ganesh
357	F190590287	Roshan Ramesh Zolekar
351	F190590332	Tachtode Om Narayan
358	F190590087	Gadekar Prathamesh Laxman
356	F190590363	Zogade Rohit Laxman

Under the Guidance of

Dr. Ganesh Praful

Marathwada Mitra Mandal's
Institute of Technology (MMIT)
Lohgaon, Pune - 411047
Accredited with "A" grade by NAAC"

CERTIFICATE

This is to certify that the project entitled

"Seeing beyond sight"

is a bonafide work carried out by the following students and it is submitted to the Marathwada Mitra Mandal's Institute of Technology, Lohgaon, Pune, (affiliated to Savitribai Phule Pune University, Pune) for the partial fulfillment of the requirement for the award of the degree of Bachelor's Degree for the subject Project Based Learning (PBL) in the First Year Engineering.

Student Name

SPPU Exam Seat No.

- | | |
|--------------------------|------------|
| • Firdaus Shaikh - 347 | F190590306 |
| • Kapil Waghumbare - 355 | F190590354 |
| • Prathamesh Gadekar-358 | F190590087 |
| • Rohit Zagade - 356 | F190590332 |
| • Om Tachtode - 351 | F190590287 |
| • Roshan Zolekar-357 | F190590287 |

Vishal Kulkarni
(Faculty Supervisor)

Prof. Bhise
Manisha



Dr. U. P. Moharil

Dr. Umesh Moharil
HOD Engineering Sciences
(Head of Department)



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Department of First Year Engineering

Marathwada Mitra Mandal's Institute of Technology, Pune-411
047 Savitribai Phule Pune University

Project Based Learning

Report on

Sign Language Detector

By

Roll No.	Seat No.	Name of the Student
232	F190590225	AYUSH MUTAKE
236	F190590147	MANNNDARR KACKADE
234	F190590268	PRAMOD MUTHE
230	F190590213	SUMIT MHASHAL
224	F190590183	OMKAR KUMBHAR
242	F190590285	RITESH SHINDE

Under the Guidance of

Dr. Prapul Patel
Mukesh Sharma

sharma m.m

DECLARATION

I hereby declare that the work carried out by us in this project is our own work and is not copied from elsewhere.

Roll No.	Seat No.	Name of the Student	Signature
232	F190590225	AYUSH MUTAKE	<i>Ayush</i>
236	F190590147	MANNNDARR KACKADE	<i>MBKackade</i>
234	F190590268	PRAMOD MUTHE	<i>P.muthe</i>
230	F190590213	SUMIT MHASHAL	<i>S.B.mhashal</i>
224	F190590183	OMKAR KUMBHAR	<i>O.kumbhar</i>
242	F190590285	RITESH SHINDE	<i>Ritesh Shinde</i>

CERTIFICATE

This is to certify that the above students have successfully completed the Project Based Learning activity on said project 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: 14 JULY 2023

Place: Lohgaon-Pune

Faculty Coordinator

Dr. Prapul Patel
Mukesh Sharma

G.M.T.
sharmam.m



P. Mohanji
Dr. P. Mohanji
HOD, Engineering Sciences

“Techno-SocialExcellence”



चेवे बहुतांचे हित

Department of First Year Engineering

Marathwada Mitra Mandal's Institute of Technology, Pune-411
047 Savitribai Phule Pune University

Project Based Learning

Report on

Smart door lock system

By

Roll No.	Seat No.	Name of the Student
331	F190590190	Gayatri Raju Lakhare
334	F190590227	Sneha Nagaegoje
333	F1905909201	Kiran Mahale
326	F190590122	Atharav Hundare
342	F190590282	Soham Raut
325	F190590113	Om Gujar
337	F190590246	Om Pathare

Under the Guidance of

H.O.P.V. P. Mohril

DECLARATION

I hereby declare that the work carried out by us this project is our own work and is not copied from elsewhere.

Roll No.	Seat No.	Name of the Student	Signature
331	Fig0590190	Gayatri Raju Lakhonde	<u>Gayatri</u>
334	Fig0590227	Sneha Nagorgeje	<u>Sneha</u>
333	Fig0590201	Kiran mahale	<u>K.S.M</u>
326	Fig0590122	Atharav Hundare	<u>Atharav</u>
342	Fig0590282	Soham Raut	<u>S.S.Raut</u>
325	Fig0590113	om Gujar	<u>Om</u>
337	Fig0590246	om Pathare	<u>Pathare</u>

CERTIFICATE

This is to certify that the above students have successfully completed the Project Based Learning activity on said project under my supervision, in the partial fulfilment of academics of Savitribai Phule Pune University, at Marathwada Mitra Mandra's Institute of Technology, Lohgaon, Pune.

Date: 14/07/2023

Place: **Pune**

Faculty Coordinator

VP Mohari
14/7/23



VP Mohari
Dr. Umesh Mohari
Head, Engineering Sciences

“Techno-Social Excellence”



येथे बहुतांचे हित

Department of First Year Engineering

Marathwada Mitra Mandal's Institute of Technology, Pune-411
047 Savitribai Phule Pune University

Project Based Learning

Report on

SMOKE ALARM SECURITY SYSTEM

By

Roll No.	Seat No.	Name of the Student
419	F190590144	Srushti Jogdand
407	F190590049	Sapna Bhujbal
443	F190590259	Akanksha Phalke
445	F190590260	Bhavana Phegade
464	F190590204	Deepali Mane
425	F190590175	Rutuja Koshji
447	F190590273	Mayuri Rathod
437	F190590100	Gayatri Nandekar

Under the Guidance of

Dr. Umesh Mohil

DECLARATION

I hereby declare that the work carried out by us this project is our own work and is not copied from elsewhere.

Roll No.	Seat No.	Name of the Student	Signature
419	144	Srushti Jogdand	<i>Srushti Jogdand</i>
407	049	Sapna Bhujbal	<i>Sapna Bhujbal</i>
443	259	Akanksha Phalke	<i>Akanksha</i>
445	260	Bhavana Phegade	<i>Bhavana</i>
464	204	Deepali Mane	<i>Deepali Mane</i>
425	175	Rutuja Koshti	<i>Rutuja</i>
447	273	Mayuri Lathed	<i>Mayuri Lathed</i>
437	100	Gayatri Nandekar	<i>Gayatri</i>

CERTIFICATE

This is to certify that the above students have successfully completed the Project Based Learning activity on said project under my supervision, in the partial fulfilment of academics of Savitribai Phule Pune University, at Marathwada Mitra Mandals Institute of Technology, Lohgaon, Pune.

Date: 14 July, 2023

Place: Pune

Faculty Coordinator

UP Mohari
14/7/23



UP Mohari
U. Umesh Mohari
FOD, Engineering Sciences

“Techno-Social Excellence”



येथे बहुतांचे हित

Department of First Year Engineering

Marathwada Mitra Mandal's Institute of Technology, Pune-411 047
Savitribai Phule Pune University

Project Based Learning

Report on

Smoke Detector.

By




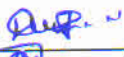

Roll No.	Seat No.	Name of the Student
119	F190590128	Vaishakh R. Ingole
131	F190590230	Vash V. Nalkhande
132	F190590237	Aditya N. Nile
133	F190590239	Vaibhav M. Padole .
136	F190590254	Shreyash R. Patil

Under the Guidance of

Prof. Yeshwante Mam

DECLARATION

I hereby declare that the work carried out by us this project is our own work and is not copied from elsewhere.

Roll No.	Seat No.	Name of the Student	Signature
119	128	Vaishakh R. Ingde	
131	230	Yash V. Nalkande	
132	237	Aditya N. Nile.	
133	239	Vaibhav M. Padole	
136	254	Shreyash R. Patil.	

CERTIFICATE

This is to certify that the above students have has successfully completed the Project Based Learning activity on said project 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: 14-07-23

Place: Pune

for Shaloma
Faculty Coordinator



UP Mahari
Umesh Mahari
HOD, Engineering Sciences

“Techno-Social Excellence”



• येवे बहुतांचे हित

Department of First Year Engineering

Marathwada Mitra Mandal's Institute of Technology, Pune-411 047
Savitribai Phule Pune University

Project Based Learning

Report on

• Solar Heat Tracker •
By

Roll No.	Seat No.	Name of the Student
258	F190590348	Ritesh Vairalkar
261	F190590360	Diya Yashwantrao
262	F190590364	Siddhi Khandre
250	F190590317	Prathmesh Shinde
263	F190590261	Atharva Phuge

Under the Guidance of

* Dr. B. D. Patil *

Marathwada Mitra Mandal's
Institute of Technology (MMIT)
Lohgaon, Pune - 411047
Accredited with "A" grade by NAAC

CERTIFICATE

This is to certify that the project entitled

"Solar Heat Tracker "

is a bonafide work carried out by the following students and it is submitted to the Marathwada Mitra Mandal's Institute of Technology, Lohgaon, Pune, (affiliated to Savitribai Phule Pune University, Pune) for the partial fulfillment of the requirement for the award of the degree of Bachelor's Degree for the subject Project Based Learning (PBL) in the First Year Engineering.

Student Name	SPPU Exam Seat No.
1. Siddhi Vijay Khandave	F190590164
2. Atharva Sanjay Phuge	F190590261
3. Prathmesh Avinash Shinde	F190590317
4. Ritesh Gajanan Vairalkar	F190590348
5. Diya Sandeep Yashwantrao	F190590360


Dr. B. D. Patil

(Faculty Supervisor)




Dr. U. P. Moharil

(Head of Department)


Dr. Umesh Moharil
HOD, Engineering Sciences

“Techno-Social Excellence”



येथे बहुतांचे हित

Department of First Year Engineering

Marathwada Mitra Mandal's Institute of Technology, Pune-411 047
Savitribai Phule Pune University

Project Based Learning

Report on

Solar Heat Tracker

By

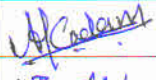




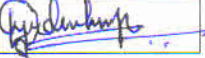
Roll No.	Seat No.	Name of the Student
420	F190590148	Aarya Kadam
417	F190590117	Himanshu Patil
401	F190590007	Sanjana Anantwar
456	F190590220	Kiran. More
457	F190590344	Athrav Ubale
414	F190590108	Girija Dahiphale

Under the Guidance of

Mr. Praful Patil

DECLARATION

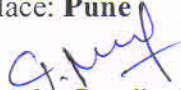
I hereby declare that the work carried out by us this project is our own work and is not copied from elsewhere.

Roll No.	Seat No.	Name of the Student	Signature
420	F190590148	Aarya kadam	
417	F190590119	Himanshu Patil	
401	F190590007	Sanjana Anantwar	
456	F190590220	Kiran More	
457	F190590324	Athrav Ubale	
414	F190590108	Girija Dahiphale	

CERTIFICATE

This is to certify that the above students have has successfully completed the Project Based Learning activity on said project 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: 14/07/23

Place: Pune

Faculty Coordinator




Dr. Umesh Mohari
HOD, Engineering Sciences

“Techno-Social Excellence”



येथे बहुतांचे हित

Department of First Year Engineering

Marathwada Mitra Mandal's Institute of Technology, Pune-411 047
Savitribai Phule Pune University

Project Based Learning

Report on

Ultrasonic Eyes
By

Roll No.	Seat No.	Name of the Student
157	FIG0590008	Utkarsh Anecha
143	FIG0590281	Sanskar Raut
148	FIG0590325	Kaetik Sinkar
149	FIG0590326	Yuvraj Solanke
146	FIG0590308	Shayade Shahejad Shaikh
161	FIG0590294	Swapnil. H. Salunke

Under the Guidance of

for Sharmaji M

Marathwada Mitra Mandal's
Institute of Technology (MMIT)
Lohgaon, Pune - 411047
Accredited with "A" grade by NAAC"

CERTIFICATE

This is to certify that the project entitled

" ULTRASONIC EYES " (Title of the project)

is a bonafide work carried out by the following students and it is submitted to the Marathwada Mitra Mandal's Institute of Technology, Lohgaon, Pune, (affiliated to Savitribai Phule Pune University, Pune) for the partial fulfillment of the requirement for the award of the degree of Bachelor's Degree for the subject Project Based Learning (PBL) in the First Year Engineering.

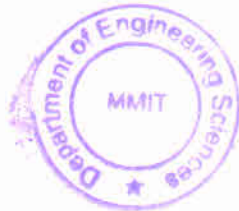
Student Name

SPPU Exam Seat No.

Name of student :- KARTIK SINKAR	Seat No. :- F190590325
Name of student :- UTKARSH ANECHA	Seat No. :- F190590008
Name of student :- SWAPNIL SALUNKE	Seat No. :- F190590294
Name of student :- SANSKAR RAUT	Seat No. :- F190590281
Name of student :- SHAHEJAD SHAIKH	Seat No. :- F190590308
Name of student :- YUVRAJ SOLANKE	Seat No. :- F190590326

Mukesh Sharma

Name of Faculty Supervisor
Mukesh Sharma



U.P. Mohari

Dr. Umesh Mohari
Dr. U. P. Mohari
HOD Engineering Sciences
(Head of Department)

“Techno-Social Excellence”



येथे बहुतांचे हित

Department of First Year Engineering

Marathwada Mitra Mandal's Institute of Technology, Pune-411 047
Savitribai Phule Pune University

Project Based Learning

Report on

Volumetric 3D as a Future

By

Roll No.	Seat No.	Name of the Student
225	F190540184	Pratiksha Kumbhar
226	F190540200	Tejesh Mahajan
231	F190540224	Sarika Mulay
239	F190540270	Ajay Rajput
240	F190540271	Rashi Madhe

Under the Guidance of

Mukesh Sharma
Sharma M.M

DECLARATION

I hereby declare that the work carried out by us this project is our own work and is not copied from elsewhere.

Roll No.	Seat No.	Name of the Student	Signature
225	F190590164	Pratiksha Kumbhar	P. Kumbhar
226	F190590166	Tirthesh Mahajan	T. Mahajan
231	F190590224	Sanika Mulay	S. Mulay
239	F190590270	Ajay Rajput	Ajay R.P.
240	F190590271	Rashi Rohit Madne	R. Madne

CERTIFICATE

This is to certify that the above students have has successfully completed the Project Based Learning activity on said project 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: 14/7/23

Place: Pune

Sharma M.M.
Faculty Coordinator



U.P. Mohant

Dr. Umesh Mohant
HOD, Engineering Sciences

"Techno-Social Excellence"



येथे बहुतांचे हित

Department of First Year Engineering

Marathwada Mitra Mandal's Institute of Technology, Pune-411 047

Savitribai Phule Pune University

Project Based Learning

Report on

Water Level Indicator






By

Roll No.	Seat No.	Name of the Student
421	F190590150	Parash Kadam
441	F190590249	Chirayu Partil
418	F190590119	Bhagyesh Hole
423	F190590170	Samket Khule.
421	F19059044	Dhananjay

Under the Guidance of

DECLARATION

I hereby declare that the work carried out by us this project is our own work and is not copied from elsewhere.

Roll No.	Seat No.	Name of the Student	Signature
421	F19059010	Parresh Kadam	
418	F19059019	Bhagyesh HOLE	
441	F19059029	Chirayu Partil	
423	F19059010	Samir Khule	
405	F19059044	Dhananjay	

CERTIFICATE

This is to certify that the above students have successfully completed the Project Based Learning activity on said project 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: 14-7-23

Place: Pune


Faculty Coordinator





HOD, Engineering Sciences

“Techno-Social Excellence”



येथे बहुतांचे हित

Department of First Year Engineering

Marathwada Mitra Mandal's Institute of Technology, Pune-411
047 Savitribai Phule Pune University

Project Based Learning

Report on

Webstock

By

Roll No.	Seat No.	Name of the Student
101	F190590003	Ashutosh Agarwal
103	F190590020	Omkar Atkari
105	F190590032	Aryan Barbade
113	F190590086	Nitin Gabhale
117	F190590118	Bhagwat Hiwale
116	F190590110	Anagh Godse







Under the Guidance of

Mr. Mukesh Sharma Sir

Sharma M.M.

DECLARATION

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Roll No.	Seat No.	Name of the Student	Signature
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Date: 14/07/2023

Place: Pune


Faculty Coordinator




Dr. Umesh Mohari
HOD, Engineering Sciences

PROJECT TITLE :- WORD PRONOUNCER

“Techno-Social Excellence”



येथे बहुतांचे हित

Department of First Year Engineering

Marathwada Mitra Mandal's Institute of Technology, Pune-411 047
Savitribai Phule Pune University

Project Based Learning

Report on

WORD PRONOUNCER

By





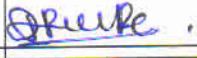
Roll No.	Seat No.	Name of the Student
439	F190590235	NIKAM SANKET TANAJI
452	F190590320	SHIRKE TEJAS BRAHMDEO
454	F190590136	JADHAV SHREYASH SHARAD
446	F190590263	PISE PRATIK GORAKH
458	F190590079	VAVARE DIGAMBAR RAJESH

Under the Guidance of

DR. PRAPUL PATEL SIR

DECLARATION


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Roll No.	Seat No.	Name of the Student	Signature
439	F190590235	NIKAM SANKET TANAJI	
452	F190590320	SHIRKE TEJAS BRAHMDEO	
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Date: 14/07/2023

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Faculty Coordinator




Dr. Umesh Mohari
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