

**"Techno-Social Excellence"**  
**Marthwada Mitra Mandal's Institute of Technology, Lohgaon, Pune**  
**BE Project 2023-24**

Sr. No	Programme Name	Project Work/Field Work/Internship	Program Code	List of students undertaking project work/field work/internship	Link to the relevant document
1	Computer Engineering	BE Project	620324510	Jay Mate	<a href="#">01.pdf</a>
				Siddhi Pandharkar	
				Pranav Mahrgude	
				Praffulla Netankar	
2	Computer Engineering	BE Project	620324510	Aditya Mishra	<a href="#">02.pdf</a>
				Simant Asawale	
				Maneesh Chejara	
				Prathamesh Kothawade	
3	Computer Engineering	BE Project	620324510	Aboli Rohidas Choudhari	<a href="#">03.pdf</a>
				Anjali Sudhir More	
				Snehal Vitthal Shinde	
				Rutuja Sandip Trivedi	
4	Computer Engineering	BE Project	620324510	Ronit Sharad Narawade	<a href="#">04.pdf</a>
				Aditya Suresh Patil	
				Yash Devendra Patil	
				Sawri Rajesh Choudhari	
5	Computer Engineering	BE Project	620324510	Saket Milind Kharche	<a href="#">05.pdf</a>
				Sumedh Anil Patil	
				Yash Tanaji Dharane	
				Shubham Nandakumar Sathe	
6	Computer Engineering	BE Project	620324510	Dinesh Madhukar Kote	<a href="#">06.pdf</a>
				Pandit Chandrakant Katvate	
				Prajwal Vikas Kadam	
				Shreyash Manoj Sarode	
7	Computer Engineering	BE Project	620324510	Raja Babu	<a href="#">07.pdf</a>
				Swapnil Sunil Ranbhise	
				Tejas Madhukar Vairagade	
8	Computer Engineering	BE Project	620324510	Yash Sanjivkumar Kaswa	<a href="#">08.pdf</a>
				Atharva Subhash Wagh	
				Nishikant Vetal	
				Karan Yadav	
9	Computer Engineering	BE Project	620324510	Aditya Aher	<a href="#">09.pdf</a>
				Dhanashri Dagade	
				Madhumita Mahata	
				Meghashree Pawar	
10	Computer Engineering	BE Project	620324510	Sejal Sharma	<a href="#">10.pdf</a>
				Vishakha Vinod Shirke	
				Aditi Anand Tambat	
11	Computer Engineering	BE Project	620324510	Akshay Jadhav	<a href="#">11.pdf</a>
				Akshay Shinde	
				Sakshi Dhas	
				Mrunali Gatkal	
12	Computer Engineering	BE Project	620324510	Akshay Vajanam	<a href="#">12.pdf</a>
				Suyash Desai	
				Palash Pote	
				Ashish Auti	
13	Computer Engineering	BE Project	620324510	Shivam Dolase	<a href="#">13.pdf</a>
				Malcolm David	
				Sahil Yerunkar	
				Neel Karnavat	
				Rushikesh Dhavan	

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**BE Project 2023-24**

Sr. No	Programme Name	Project Work/Field Work/Internship	Program Code	List of students undertaking project work/field work/internship	Link to the relevant document
14	Computer Engineering	BE Project	620324510	Faizan Mulla	<a href="#">14.pdf</a>
				Renuka Lonikar	
				Anushka Mhaske	
15	Computer Engineering	BE Project	620324510	Akash Padir	<a href="#">15.pdf</a>
				Aniket Rindhe	
				Mahesh Shelke	
16	Computer Engineering	BE Project	620324510	Shivam Raeindra Devkar	<a href="#">16.pdf</a>
				Anshul Vijay Patil	
				Altaf Tayyab Shaikh	
17	Computer Engineering	BE Project	620324510	Aditya Chandrashekhar Deore	<a href="#">17.pdf</a>
				Yash Udyaprakash Patil	
				Ajay Manohar Kamble	
18	Computer Engineering	BE Project	620324510	Durgesh Eknath Dhamane	<a href="#">18.pdf</a>
				Kartikay Omkarsingh Dhakad	
				Amol Deshmukh	
19	Computer Engineering	BE Project	620324510	Chetan Sanap	<a href="#">19.pdf</a>
				Shubhankar Badmanji	
				Pavan Gokak	
20	Computer Engineering	BE Project	620324510	Abhishek Jadhav	<a href="#">20.pdf</a>
				Prachi Singh	
				Devika Wagh	
21	Computer Engineering	BE Project	620324510	Samruddhi Takawale	<a href="#">21.pdf</a>
				Mandar Maske	
				Prasad Narsale	
22	Computer Engineering	BE Project	620324510	Kaushal More	<a href="#">22.pdf</a>
				Jay Kingre	
				Karn Godse	
23	Computer Engineering	BE Project	620324510	Yash Bambal	<a href="#">23.pdf</a>
				Sakshi Baburao Bhor	
				Anupam Pandey	
24	Computer Engineering	BE Project	620324510	Karan Ramdas Gite	<a href="#">24.pdf</a>
				Rohit Dnyandeo Satre	
				Abhijeet Maruti Thombare	
25	Computer Engineering	BE Project	620324510	Salunke Sahil Santosh	<a href="#">25.pdf</a>
				Satvik Patil	
				Shruti Wadile	
26	Computer Engineering	BE Project	620324510	Abhijith Malayil	<a href="#">26.pdf</a>
				Mayuresh Bhombe	
				Nidhi Bachuwar	
27	Computer Engineering	BE Project	620324510	Akanksha Machcha	<a href="#">27.pdf</a>
				Shubham Argade	
				Abhijeet Todkar	
28	Computer Engineering	BE Project	620324510	Yashraj Deokar	<a href="#">28.pdf</a>
				Rutvik Pawale	
				Shreyas Nimbalkar	
29	Computer Engineering	BE Project	620324510	Omkar Kasture	<a href="#">29.pdf</a>
				Dhruv Kiran Athwal	
				Yash Kiran Athwal	
30	Computer Engineering	BE Project	620324510	Nikhil More	<a href="#">30.pdf</a>
				Aayush Mahesh Kapadi	

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**BE Project 2023-24**

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27	Computer Engineering	BE Project	620324510	Mahesh Bhojaling Babar	<a href="#">27.pdf</a>
				Mansi Deepak Kodgire	
				Suyash Prakash Kusumkar	
				Sejal Avinash Zarekar	
28	Computer Engineering	BE Project	620324510	Pranay Bhaurao Rathod	<a href="#">28.pdf</a>
				Gajanan Kamlakar Thakarke	
				Gaurav Dnyaneshwar Wahatule	
				Rushikesh Subhash Bhalerao	
29	Computer Engineering	BE Project	620324510	Vedashri Mahesh Phalak	<a href="#">29.pdf</a>
				Siddhi Bhosale	
				Poonam Subre	
				Simran Kalote	
30	Computer Engineering	BE Project	620324510	Parag Mali	<a href="#">30.pdf</a>
				Vaibhav Mule	
				Jayesh Thorat	
				Imran Shaikh	
31	Computer Engineering	BE Project	620324510	Gaurav Narendran Badgujar	<a href="#">31.pdf</a>
				Vaibhav Balasaheb Deshmukh	
				Ashok Babasaheb Badade	
				Rutik Appa Dhamane	
32	Computer Engineering	BE Project	620324510	Aditya Bandu Tayade	<a href="#">32.pdf</a>
				Aditya Kavitake	
				Devesh Pravin Mahajan	
				Santosh Pravin Kale	
33	Computer Engineering	BE Project	620324510	Shantanu Gaikwad(Carry On)	<a href="#">33.pdf</a>
				Prathamesh Gaikwad	
				Tejas More	
				Devendra Injapuri (Carry On)	
34	Computer Engineering	BE Project	620324510	Himanshu Attarde	<a href="#">34.pdf</a>
				Pooja Maruti Pawar	
				Ritesh Avinash Phadtare	
				Triveni Mukund Puri	
35	Computer Engineering	BE Project	620324510	Roshni Choudhari	<a href="#">35.pdf</a>
				Mansi Kayapure	
				Akshata Mane	
36	Mechanical Engg	BE Project	620361210	Birajdar Ajay Dinkar	<a href="#">36.pdf</a>
				Meshram Chetan Kailas	
				Pawar Tushar Balasaheb	
				Mulla Saniya Jakir	
37	Mechanical Engg	BE Project	620361210	Bhavsar Darshana Sudhakar	<a href="#">37.pdf</a>
				Mahajan Rohan Rajendra	
				Salve Subodh Avinash	
				Shirke Lalita Kailas	
38	Mechanical Engg	BE Project	620361210	Kakade Swapnil Navnath	<a href="#">38.pdf</a>
				Saruk Prakash Vitthal	
				Thokal Tushar Goraksh	
				Walekar Mangesh Rajesh	
39	Mechanical Engg	BE Project	620361210	Kureshi Mohammad Saqlain S.	<a href="#">39.pdf</a>
				Salunkhe Pratham Harishchandra	
40	Mechanical Engg	BE Project	620361210	Shinde Atharva Avinash	<a href="#">40.pdf</a>
				Shinde Saurabh Shahaji	

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**Marthwada Mitra Mandal's Institute of Technology, Lohgaon, Pune**  
**BE Project 2023-24**

Sr. No	Programme Name	Project Work/Field Work/Internship	Program Code	List of students undertaking project work/field work/internship	Link to the relevant document
41	Mechanical Engg	BE Project	620361210	Chavan Shubhangi Rajendra	<a href="#">41.pdf</a>
				Bhukele Aniket Ravindra	
				Thorat Sanjivani Ashok	
				More Yuvraj Uttamrao	
42	Mechanical Engg	BE Project	620361210	Bhalekar Vaibhav Rajendra	<a href="#">42.pdf</a>
				Gaikwad Sumit Shivaji	
				Sutar Shreyash Ravindra	
				Waghmare Rushikesh Raju	
43	Mechanical Engg	BE Project	620361210	Baisane Rahul Kashinath	<a href="#">43.pdf</a>
				Chavan Darshan Ramesh	
				Nimbalkar Prasad Dnyaneshwar	
				Mutekar Onkar Santosh	
44	Mechanical Engg	BE Project	620361210	Bagade Sakshi Shashank	<a href="#">44.pdf</a>
				Kesapure Rushikesh Tulshiram	
				Kulkarni Malhar Atul	
				Rupali Prabhakar Shingate	
45	Mechanical Engg	BE Project	620361210	Awhale Tushar Narayan	<a href="#">45.pdf</a>
				Ghadage Sitaram Ashok	
				Jadhav Ajit Hanumantrao	
				Patil Dhiraj Nanabhau	
46	Mechanical Engg	BE Project	620361210	Gurav Pramod Maruti	<a href="#">46.pdf</a>
				Reddi Vinayak Ankush	
				Dcosta Bryan Anthony	
47	Mechanical Engg	BE Project	620361210	Ankush Potekar	<a href="#">47.pdf</a>
				Jagadhane Shekhar Vishwaguru	
				Potdar Ankita Ramesh	
				Dambre Rahul	
48	Mechatronics Engineering	BE Project	620362410	Ptitee P. Kamble	<a href="#">48.pdf</a>
				Leena Gaikwad	
				Abhishek Harel	
49	Mechatronics Engineering	BE Project	620362410	Suraj V. Kapse	<a href="#">49.pdf</a>
				Shubham M. Nawale	
				Harshvardhan Varpe	
50	Mechatronics Engineering	BE Project	620362410	Ayush Ambre	<a href="#">50.pdf</a>
				Piyush Ambre	
				Sangramraje Deshmukh	
51	Mechatronics Engineering	BE Project	620362410	Yashraj R. Palande	<a href="#">51.pdf</a>
				Akansha D. Dhore	
				Mayur V. Bhagwat	
52	Mechatronics Engineering	BE Project	620362410	Abhishek Pandey	<a href="#">52.pdf</a>
				Sameer Deshpande	
				Omkar Chennur	
				Karan Thakur	
53	Mechatronics Engineering	BE Project	620362410	Prasad Palande	<a href="#">53.pdf</a>
				Omkar Kharat	
				Avishka U. Kadam	
54	Mechatronics Engineering	BE Project	620362410	Prathamesh Deshmukh	<a href="#">54.pdf</a>
				Saurabh Bhondave	
				Prathamesh Narale	
55	Mechatronics Engineering	BE Project	620362410	Abhijit Shingote	<a href="#">55.pdf</a>
				Omkar Lawand	

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**BE Project 2023-24**

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	Engineering			Abhinay Vishwakarma	
56	Mechatronics Engineering	BE Project	620362410	Gaurav Makwana Aishwarya Mawal Ayush Karpe	<a href="#">56.pdf</a>
57	Mechatronics Engineering	BE Project	620362410	Anand Barapatre Vrushabh Jain Abhishek Gaikawad Bhagyashri Gadhe	<a href="#">57.pdf</a>
58	Civil Engineering	BE Project	620319110	<b>Aniket Sanjay Patil</b> Mahesh Shrikrushna Chankhore Omkar Hanumant Khatate Rohan Kashinath Waluj Rohit Rajkumar Kotawale	<a href="#">58.pdf</a>
59	Civil Engineering	BE Project	620319110	<b>Om Shivraj Ramkote</b> Gaurav Pawase Amit Girmaji Sanket Salunkhe Sourabh Patil	<a href="#">59.pdf</a>
60	Civil Engineering	BE Project	620319110	<b>Raja Shivanjali Rameshkumar</b> Rathod Anjali Thavaru Ranher Dnyaneshwar Marotrao Amar Rajkumar Kawale Sapte Priyanka Avinash	<a href="#">60.pdf</a>
61	Civil Engineering	BE Project	620319110	<b>Patil Abhishek Sanjay</b> Kautkar Vishal Anil Lashkare Vaishnavi Navnath Chavan Pritee Bhagwansingh Dukare Ashwini Kondibhau	<a href="#">61.pdf</a>
62	Civil Engineering	BE Project	620319110	<b>Rushikesh Solaunde</b> Om Jakate Sanket Jadhav Samarth Patil Parag Vaikos	<a href="#">62.pdf</a>
63	Civil Engineering	BE Project	620319110	<b>Sahil Shinde</b> Abhijit Pawar Smeeth Kadam Sanket Lokhande Dev Shubham Shrikant	<a href="#">63.pdf</a>



“ येथे ज्ञानाचे हिल ”

## CERTIFICATE

This is to certify that the project report entitles

**“Fingerprint Based EHR System for Emergency Patients”**

### Submitted By

**Student Name:**

PRAFULLA VINOD NETANKAR

SIDDHI RAJENDRA PANDHARKAR

PRANAV ANKUSH MHARGUDE

JAY SANJAY MATE

**Seat No.:**

B190594287

B190594290

B190594282

B190594280

is a bonafide student of this institute and the work has been carried out by him under the supervision of **Prof. Shwetal K. Patil** and it is approved for the partial fulfillment of the requirement of Savitribai Phule Pune University, for the award of the degree of Bachelor of Engineering (COMPUTER ENGINEERING).

*SKPatil*  
**Prof. Shwetal K. Patil**  
Internal Guide  
Dept. of Computer Engineering

*SG*  
**Dr. Subhash G. Rathod**  
Head Of Department  
Dept. Computer Engineering

**Dr. Rupesh V. Bhortake**  
Principal  
Marathwada Mitra Mandal's Institute of Technology, Pune

*SKPatil*  
Signature of Internal Examiner

*SG*  
Signature of External Examiner

Place : Pune

Date : 03/06/2024



## CERTIFICATE

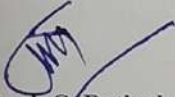
This is to certify that the Project Report entitled

### **REVOLUTIONIZING CERVICAL CANCER DETECTION WITH DEEP LEARNING**


Submitted by

<b>Student Name:</b>	<b>Seat No.:</b>
Adity Mishra	B190594201
Simant Asawale	B190594207
Prathamesh Kothawade	B190594268
Maneesh Chejara	B190594278


is a bonafide student of this institute and the work has been carried out by him/her under the supervision of **Dr. Subhash G. Rathod** and it is approved for the partial fulfillment of the requirement of Savitribai Phule Pune University, for the award of the degree of **Bachelor of Engineering (Computer Engineering)**.

  
**Dr. Subhash G. Rathod**  
Guide

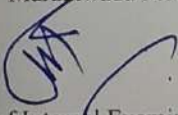
Department of Computer Engineering

  
**Dr. Subhash G. Rathod**  
H. O. D.

Department of Computer Engineering

  
**Dr. R. V. Bhortake**  
Principal

Marathwada Mitra Mandal's Institute of Technology, Pune

  
Signature of Internal Examiner

Signature of External Examiner

Place:  
Date:





“येथे बहुतांचे हित”

## CERTIFICATE

This is to certify that the Project Report entitled  
**ANDROID APP FOR PEOPLE WITH IDD TO REPORT  
ABUSE.**

Submitted by

**Student Name:**

ABOLI ROHIDAS CHOUDHARI

ANJALI SUDHIR MORE

SNEHAL VITTHAL SHINDE

RUTUJA SANDIP TRIVEDI

**Seat No.:**

B190594224

B190594284

B190594326

B190594335

is a bonafide student of this institute and the work has been carried out by him/her under the supervision of **Prof. R. A. Agrawal** and it is approved for the partial fulfillment of the requirement of Savitribai Phule Pune University, for the award of the degree of **Bachelor of Engineering** (Computer Engineering).

**Prof. R. A. Agrawal**  
Guide

Department of Computer Engineering

**Dr. Subhash G. Rathod**  
H. O. D.

Department of Computer Engineering

**Dr. R. V. Bhortake**  
Principal

Marathwada Mitra Mandal's Institute of Technology, Pune

Signature of Internal Examiner

Signature of External Examiner

Place: Pune

Date: 3/06/2024





“येथे बहुतांचे हित”

## CERTIFICATE

This is to certify that the project report entitles

“**META-TOURISM**”

Submitted by

Roll no.	Name	Seat no.
BEB01	RONIT SHARAD NARWADE	B190594286
BEB06	ADITYA SURESH PATIL	B190594291
BEB11	YASH DEVENDRA PATIL	B190594294
BEB29	SAWRI RAJESH CHOUDHARI	B190594312

is a bonafide student of this institute and the work has been carried out by him/her under the supervision of Dr. **Subhash G. Rathod** and it is approved for the partial fulfilment of the requirement of Savitribai Phule Pune University, for the award of the degree of **Bachelor of Engineering** (Computer Engineering).

  
**Dr. Subhash G. Rathod**

Guide

Department of Computer Engineering

  
**Dr. Subhash G. Rathod**

Head

Department of Computer Engineering

  
**Dr. R. V. Bhortake**

Principal,

Marathwada Mitra Mandal's Institute of Technology, Pune

  
Signature of Internal Examiner

  
Signature of External Examiner



“येथे बहुतांचे हित”

## CERTIFICATE

This is to certify that the Project Report entitled  
**SAFERIDEGUARD: AUTOMATIC HELMET DETECTION SYSTEM ON  
MOTORCYCLISTS USING MACHINE LEARNING.**

Submitted by

**Student Name:**

**Seat No.:**

SAKET MILIND KHARCHE

B190594264

SUMEDH ANIL PATIL

B190594293

YASH TANAJI DHARANE

B190594237


SHUBHAM NANDKUMAR SATHE

B190594310

is a bonafide student of this institute and the work has been carried out by him/her under the supervision of **Prof. Sanjay A Agrawal** and it is approved for the partial fulfillment of the requirement of Savitribai Phule Pune University, for the award of the degree of **Bachelor of Engineering (Computer Engineering)**.

  
**Prof. Sanjay A Agrawal**  
Guide

Department of Computer Engineering

  
**Dr. Subhash G. Rathod**  
H. O. D.

Department of Computer Engineering

**Dr. R. V. Bhortake**  
Principal

Marathwada Mitra Mandal's Institute of Technology, Pune

  
Signature of Internal Examiner

  
Signature of External Examiner

Place:

Date:



“येथे बहुतांचे हित”

**CERTIFICATE**

This is to certify that the project report entitles

**“OPTIMIZING COMMUNICATION INNOVATIVE GESTURE DETECTION FOR  
SPEECH-IMPAIRED INDIVIDUALS ”**

Submitted by

**Student Name:**

**Seat No.:**

Prajwal Vikas Kadam

B190594252

Pandit Chandrakant Katvate

B190594260

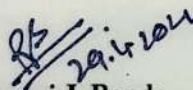
Dinesh Madhukar Kote

B190594267


Shreyash Manoj Sarode

B190594309


is a bonafide student of this institute and the work has been carried out by him under the supervision of **Prof. Devyani J. Bonde** and it is approved for the partial fulfillment of the requirement of Savitribai Phule Pune University, for the award of the degree of **Bachelor of Engineering** (Computer Engineering).

  
**Prof. Devyani J. Bonde**  
Guide

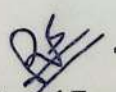
Department of Computer Engineering

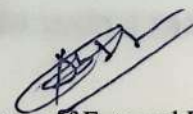
  
**Dr. Subhash G. Rathod**  
H.O.D.

Department of Computer Engineering

  
**Dr. R. V. Bhortake**  
Principal

Marathwada Mitra Mandal's Institute of Technology, Pune

  
Signature of Internal Examiner

  
Signature of External Examiner

Place: ~~3106~~ Pune

Date: 31/06/2024





## CERTIFICATE

This is to certify that the project report entitles

**“GUI BASED 6 DOF ROBOTIC ARM FOR RADIOACTIVE ELEMENT HANDLING”**

Submitted by

**Student Name:**

Tejas Madhukar Vairagade

Omkar Rajendra Badade

Raja Babu

Swapnil Sunil Ranbhise

**Exam No:**

B190594338

B190594215

B190594300

B190594301

is a bonafide student of this institute and the work has been carried out by him/her under the supervision of **Prof. Dinesh Satre** and it is approved for the partial fulfilment of the requirement of Savitribai Phule Pune University, for the award of the degree of **Bachelor of Engineering** (Computer Engineering).

**Prof. Dinesh Satre**

Guide

Department of Computer Engineering

**Dr. S. G. Rathod**

H.O. D.

Department of Computer Engineering

**Dr. R. V. Bhortake**

Principal,

Marathwada Mitra Mandal Institute of Technology, Pune – 47

Signature of Internal Examiner

Place : **MMIT, Pune**

Date : **3/6/2024**

Signature of External Examiner



ACKNOWLEDGEMENT



“येथे बहुतांचे हित”

CERTIFICATE

This is to certify that the Project Report entitled  
**A MACHINE LEARNING APPROACH FOR PLANT  
DISEASE DETECTION**

Submitted by

**Student Name:**

**Seat No.:**

Yash Kaswa

B190594258

Nishikant Vetel

B190594340

Atharva Wagh

B190594343

Karan Kumar

B190594403

is a bonafide student of this institute and the work has been carried out by him/her under the supervision of **Dr. M. D. Salunke** and it is approved for the partial fulfillment of the requirement of Savitribai Phule Pune University, for the award of the degree of **Bachelor of Engineering** (Computer Engineering).

**Dr. M. D. Salunke**  
Guide

Department of Computer Engineering

**Dr. S. G. Rathod**  
H. O. D.

Department of Computer Engineering

**Dr. R. V. Bhortake**  
Principal

Marathwada Mitra Mandal's Institute of Technology, Pune

Signature of Internal Examiner.

Signature of External Examiner

Place: Pune

Date: 03 June 2024





“येथे यहुतांचे हित”

## CERTIFICATE

This is to certify that the project report entitles

**“ PERSONAL PROTECTIVE EQUIPMENT DETECTION SYSTEM ”**

Submitted by

**MR. ADITYA AHER**  
**MS. DHANASHRI DAGADE**  
**MS. MADHUMITA MAHATA**  
**MS. MEGHASHREE PAWAR**

- ROLL NO: B190594202  
- ROLL NO: B190594225  
- ROLL NO: B190594272  
- ROLL NO: B190594281

is a bonafide student of this institute and the work has been carried out by him/her under the supervision of **Dr. Yogendra V Patil** and it is approved for the partial fulfillment of the requirement of Savitribai Phule Pune University, for the award of the degree of **Bachelor of Engineering** (Computer Engineering).

(Dr. Yogendra V Patil)  
Guide

Department of Computer Engineering

(Dr. S. G. Rathod)  
Head

Department of Computer Engineering

(Dr. R. V. Bhortake)  
Principal,

Marathwada Mitra Mandal Institute of Technology Pune – 47

Signature of Internal Examiner

Place : Pune

Date :

Signature of External Examiner



“येथे बहुतांचे हित”

## CERTIFICATE

This is to certify that the Project Report entitled  
**HONEYWORD & PASSWORD BASED  
AUTHENTICATION SYSTEM**

Submitted by

**Student Name:**

**Seat No.:**

SEJAL SHARMA

B190594315

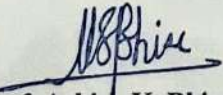
VISHAKHA VINOD SHIRKE

B190594320


ADITI ANAND TAMBAT

B190594328

is a bonafide student of this institute and the work has been carried out by him/her under the supervision of **Prof. Ashish K. Bhise** and it is approved for the partial fulfillment of the requirement of Savitribai Phule Pune University, for the award of the degree of **Bachelor of Engineering** (Computer Engineering).

  
**Prof. Ashish K. Bhise**  
Guide

Department of Artificial Intelligence and  
Data Science

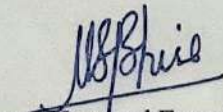
  
**Dr. Subhash G. Rathod**  
H. O. D.

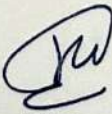
Department of Computer Engineering



**Dr. R. V. Bhortake**  
Principal

Marathwada Mitra Mandal's Institute of Technology, Pune

  
Signature of Internal Examiner

  
Signature of External Examiner

Place: Pune  
Date: 03/06/24



## CERTIFICATE

This is to certify that the project report entitles

**“BioGPT: The ChatGPT of life sciences”**

Submitted by

**NAME:**

**SAKSHI DHAS  
MRUNALI GATKAL  
AKSHAY JADHAV  
AKSHAY SHINDE**


**EXAM NO.**

**B190594238  
B190594243  
B190594249  
B190594319**


is a bonafide student of this institute and the work has been carried out by him/her under the supervision of **Dr. Yogendra Patil** and it is approved for the partial fulfillment of the requirement of Savitribai Phule Pune University, for the award of the degree of **Bachelor of Engineering** (Computer Engineering).

  
(Dr. Yogendra Patil)  
Guide

Department of Computer Engineering

  
(Dr. S. G. Rathod)  
Head,

Department of Computer Engineering

  
(Dr. R. V. Bhortake)  
Principal,

Marathwada Mitra Mandal Institute of Technology  
Pune – 47

  
Internal Examiner

  
External Examiner





“येथे बहुतांचे हित”

**CERTIFICATE**

This is to certify that the project report entitles

**“SMART LAND REGISTRATION SYSTEM USING BLOCKCHAIN”**

Submitted by

**Student Name:**

**Seat No.:**

Akshay Dinesh Vajanam

B190594203

Ashish Basavaraj Auti

B190594212

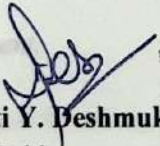
Suyash Ulhas Desai

B190594231

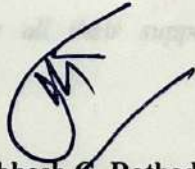
Palash Sharad Pote

B190594299

is a bonafide student of this institute and the work has been carried out by him under the supervision of **Dr. Jyoti Y. Deshmukh** and it is approved for the partial fulfillment of the requirement of Savitribai Phule Pune University, for the award of the degree of **Bachelor of Engineering** (Computer Engineering).

  
**Dr. Jyoti Y. Deshmukh**  
Guide

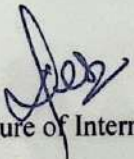
Department of Computer Engineering

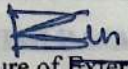
  
**Dr. Subhash G. Rathod**  
H.O.D.

Department of Computer Engineering

  
**Dr. R. V. Bhortake**  
Principal

Marathwada Mitra Mandal's Institute of Technology, Pune

  
Signature of Internal Examiner

  
Signature of External Examiner

Place: Pune

Date: 03/06/2024



SAVITRIBAI PHULE PUNE UNIVERSITY

2023 -2024



CERTIFICATE

This is to certify that the project report entitles.

**“AUTOPARTXPRESS”-AUTOMOBILE SPARE PARTS APPLICATION**

Submitted by

NEEL KARNAVAT	B190594256
SHIVAM DOLASE	B190594240
MALCOLM DAVID	B190594228
SAHIL YERUNKAR	B190594306

is a bonafide student of this institute and the work has been carried out by him/her under the supervision of **Prof. Swapnil S. Chaudhari** and it is approved for the partial fulfilment of the requirement of Savitribai Phule Pune University, for the award of the degree of **Bachelor of Engineering (Computer Engineering)**.

  
**Prof. Swapnil S. Chaudhari**

Guide

Department of Computer Engineering

  
**Dr. S. G. Rathod**

Head,

Department of Computer Engineering

  
**Dr. R. V. Bhortake**

Principal,

Marathwada Mitra Mandal Institute of Technology Pune – 47

Place: Pune  
Date:

  
**MMIT, Department of Computer Engineering 2023-24**



“येथे महतांचे हित”

## CERTIFICATE

This is to certify that the project report entitles

“Deep Fake Using Large Language Model”

Submitted by

**STUDENT NAME:**

**PRANAY B. RATHOD  
RUSHIKESH S. BHALEROO  
GAJANAN K. THAKARKE  
GAURAV D. WAHATULE**

**SEAT NO:**

**B190594303  
B190594305  
B190594331  
B190594345**

is a bonafide student of this institute and the work has been carried out by them under the supervision of **Prof. D.J. Bonde** and it is approved for the partial fulfillment of the requirement of Savitribai Phule Pune University, for the award of the degree of **Bachelor of Engineering** (Computer Engineering).

  
**Prof. D. J. Bonde**

Guide

Department of Computer Engineering

  
**Dr. S. G. Rathod**

Head

Department of Computer Engineering

  
**Dr. R. V. Bhortake**

Principal

Marathwada Mitra Mandal's Institute of Technology

Pune -411047

  
Signature of

Internal Examiner

  
Signature of

External Examiner

Place: Pune

Date:



“वेद्ये बहुतांचे हित”

## CERTIFICATE

This is to certify that the Project Report entitled

**“iSeeAI: AI Assistant for Visually Impaired People”**

Submitted by

**Student Name:**

**Seat No.:**

BARVE SHRADDHA VISHNU

B190594219

PADIR AKASH GANESH

B190594289

RINDHE ANIKET MADHUKAR

B190594304

SHELKE MAHESH RAMAKANT

B190594317

is a bonafide student of this institute and the work has been carried out by him/her under the supervision of **Prof. D.B. Satre** and it is approved for the partial fulfillment of the requirement of Savitribai Phule Pune University, for the award of the degree of **Bachelor of Engineering** (Computer Engineering).

(Prof. D. B. Satre)  
Guide

Department of Computer Engineering

(Dr. S. G. Rathod)  
Head,

Department of Computer Engineering

(Dr. R. V. Bhortake)  
Principal,

Marathwada Mitra Mandal's Institute of Technology Pune - 47

Signature of Internal Examiner

Signature of External Examiner

Place: pune  
Date: 03/06/2024

SAVITRIBAI PHULE PUNE  
UNIVERSITY 2023 -2024



CERTIFICATE

This is to certify that the project report entitles

**“ADMISSION ENQUIRY CHATBOT SYSTEM”**

Submitted by

ANSHUL PATIL  
ADITYA DEORE  
SHIVAM DEVKAR  
ALTAF SHAIKH

Exam No : B190594205  
Exam No.: B190594230  
Exam No.: B190594233  
Exam No.: B190594313

is a bonafide student of this institute, and the work has been carried out by him/her under the supervision of **Prof. Swapnil Gagare** and it is approved for the partial fulfillment of the requirement of Savitribai Phule Pune University, for the award of the degree of **Bachelor of Engineering** (Computer Engineering).

(Prof. Swapnil Gagare)

Guide

Department of Computer Engineering

(Dr. S. G. Rathod)

Head,

Department of Computer Engineering

(Dr. R. V. Bhortake)

Principal,

Marathwada Mitra Mandal Institute of Technology Pune – 47

Place:

Date:



Sign of external



“येथे बहुतांचे हित”

## CERTIFICATE

This is to certify that the Project Report entitled  
**“Noble Auto Wheels: Your Personalized Bike World”**  
Submitted by

**Student Name:**

**Seat No.:**

AJAY KAMBLE

B190594254

DURGESH DHAMANE

B190594235

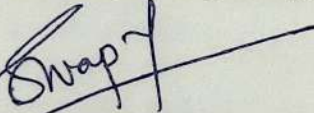
KARTIKAY DHAKAD

B190594234


YASH PATIL

B190594395


is a bonafide student of this institute and the work has been carried out by him/her under the supervision of **Prof. Swapnil S. Chaudhari** and it is approved for the partial fulfillment of the requirement of Savitribai Phule Pune University, for the award of the degree of **Bachelor of Engineering (Computer Engineering)**.

  
**Prof. Swapnil S. Chaudhari**  
Guide

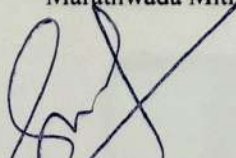
Department of Computer Engineering


  
**Dr. Subhash G. Rathod**  
H. O. D.

Department of Computer Engineering

  
**Dr. R. V. Bhortake**  
Principal

Marathwada Mitra Mandal's Institute of Technology, Pune

  
Signature of Internal Examiner

  
Signature of External Examiner

Place: 31/6/24  
Date: Pune.



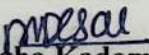
“येथे बहुतांचे हित”  
**CERTIFICATE**


This is to certify that the Project Report entitled  
**COMPATIBLE CODE EDITOR**

Submitted by

AMOL DESHMUKH	B190594204
SHUBHANKAR BADMANJI	B190594217
CHETAN SANAP	B190594223
PAVAN GOKAK	B190594246

is a bonafide student of this institute and the work has been carried out by him/her under the supervision of **Dr. Megha Kadam** and it is approved for the partial fulfilment of the requirement of Savitribai Phule Pune University, for the award of the degree of **Bachelor of Engineering** (Computer Engineering).

  
**Dr. Megha Kadam**  
Guide

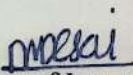
  
**Dr. Subhash G. Rathod**  
H. O. D.

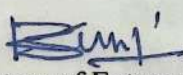
Department of Computer Engineering Department of Computer Engineering



**Dr. R. V. Bhortake**  
Principal

Marathwada Mitra Mandal's Institute of Technology, Pune

  
Signature of Internal Examiner

  
Signature of External Examiner

Place: **MMIT, Pune**

Date: **03/06/2024**





“येथे बहुतांचे हित”


## CERTIFICATE


This is to certify that the project report entitles  
“**RECOGNIPRO: RECOGNITION AND CONSTRUCTION OF  
FORENSIC FACIAL SKETCHES**”


Submitted by

STUDENT NAME	EXAM NO:
<b>ABHISHEK JADHAV</b>	<b>B190594248</b>
<b>PRACHI SINGH</b>	<b>B190594325</b>
<b>DEVIKA WAGH</b>	<b>B190594344</b>
<b>SAMRUDDHI TAKAWALE</b>	<b>B190594308</b>

is a bonafide student of this institute and the work has been carried out by him/her under the supervision of **Prof. Nisar S Shaikh** and it is approved for the partial fulfillment of the requirement of Savitribai Phule Pune University, for the award of the degree of **Bachelor of Engineering** (Computer Engineering)

  
**Prof. Nisar S. Shaikh**  
Guide  
Department of Computer Engineering

  
**Dr. Subhash G. Rathod**  
H.O.D.  
Department of Computer Engineering

  
**Dr. R. V. Bhortake**  
Principal

Marathwada Mitra Mandal's Institute of Technology, Pune – 47

  
Signature of Internal Examiner

  
Signature of External Examiner

Place: Pune

Date:





“येथे बहुतांचे हित”

## CERTIFICATE

This is to certify that the Project Report entitled  
**“Noble Auto Wheels: Your Personalized Bike World”**  
Submitted by

**Student Name:**

**Seat No.:**

AJAY KAMBLE

B190594254

DURGESH DHAMANE

B190594235

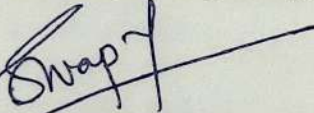
KARTIKAY DHAKAD

B190594234


YASH PATIL

B190594395


is a bonafide student of this institute and the work has been carried out by him/her under the supervision of **Prof. Swapnil S. Chaudhari** and it is approved for the partial fulfillment of the requirement of Savitribai Phule Pune University, for the award of the degree of **Bachelor of Engineering (Computer Engineering)**.

  
**Prof. Swapnil S. Chaudhari**  
Guide

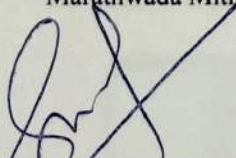
Department of Computer Engineering


  
**Dr. Subhash G. Rathod**  
H. O. D.

Department of Computer Engineering

  
**Dr. R. V. Bhortake**  
Principal

Marathwada Mitra Mandal's Institute of Technology, Pune

  
Signature of Internal Examiner

  
Signature of External Examiner

Place: 31/6/24

Date: Pune.



“येथे बहुतांचे हित”

## CERTIFICATE

This is to certify that the project report entitles  
“WEAPON DETECTION SYSTEM USING CNN”

Submitted by

PRASAD SANTOSH NARSALE

B190594285

MANDAR SURESH MASKE

B190594276

KAUSHAL SURESH MORE

B190594261

JAY BHAGUJI KINGRE

B190594265

is a bonafide student of this institute and the work has been carried out by him under the supervision of **Prof. Shwetal Patil** and it is approved for the partial fulfillment of the requirement of Savitribai Phule Pune University, for the award of the degree of **Bachelor of Engineering** (Computer Engineering).

*SKPatil*

(Prof. Shwetal Patil)

Project Guide

Department of Computer Engineering

(Dr. S. G. Rathod)

Head

Department of Computer Engineering

(Dr. R. V. Bhortake)

Principal,

Marathwada Mitra Mandal Institute of Technology Pune - 47

*SKPatil*

Signature of Internal Examiner

Place: Pune

Date: 03/6/24

Signature of External Examiner

PRASAD SANTOSH NARSALE

MANDAR SURESH MASKE

KAUSHAL SURESH MORE

JAY BHAGUJI KINGRE



“येथे बहुतांचे हित”

## CERTIFICATE

This is to certify that the project report entitles

**“HOME AWAY”**

**Your Ultimate Housing Solution**

Submitted by

Roll No	Name	Seat No.
BEA06	Anupam Pandey	B190594206
BEA16	Yash Pramod Bambal	B190594218
BEA19	Sakshi Baburao Bhor	B190594221
BEA40	Karn Datta Godse	B190594245

is a bonafide student of this institute and the work has been carried out by him/her under the supervision of Mr. **Ashish Bhise** and it is approved for the partial fulfillment of the requirement of Savitribai Phule Pune University, for the award of the degree of **Bachelor of Engineering** (Computer Engineering).

  
Mr. Ashish Bhise

Guide

Head, of AI & DS Department  
of Engineering



Dr. Subhash G. Rathod

Head,

Department of Computer Engineering



Dr. R. V. Bhortake

Principal,

Marathwada Mitra Mandal's Institute of Technology, Pune

Place: Pune

Date:— \_\_\_\_\_



External Examiner:  
MMIT, Department of Computer Engineering 2023-24



## CERTIFICATE


This is to certify that the project report entitled

### “PREDICTIVE HUMAN ACTIVITY DETECTION”

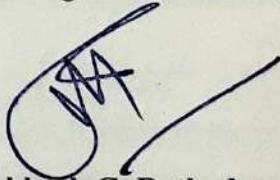
Submitted by

Roll No	Name	Seat No.
BEA66	Abhijith Suresh Malayil	B190594274
BEA18	Mayuresh Dattatray Bhombe	B190594220
BEB08	Satvik Sunil Patil	B190594292
BEB53	Shruti Dhanalal Wadile	B190594342

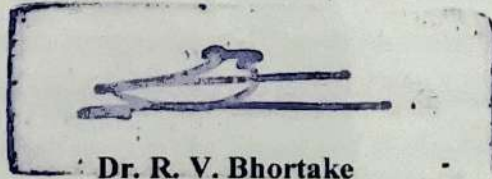
is a bonafide student of this institute and the work has been carried out by him/her under the supervision of Prof. Devyani Bonde and it is approved for the partial fulfillment of the requirement of Savitribai Phule Pune University, for the award of the degree of **Bachelor of Engineering** (Computer Engineering).

  
Prof. Devyani Bonde  
Project Guide

Department of Computer Engineering

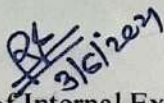
  
Prof. Subhash G. Rathod  
Head

Department of Computer Engineering



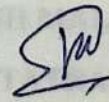
Dr. R. V. Bhortake  
Principal,

Marathwada Mitra Mandal's Institute of Technology, Pune

  
Signature of Internal Examiner

Place: Pune  
Date:



  
Signature of External Examiner



“येथे महतांचे हित”

## CERTIFICATE

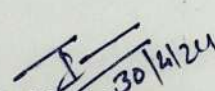
This is to certify that the project report entitles

“ANONYMOFACE- A REAL TIME FACE ANONYMIZATION PLUGIN”

Submitted by

Student Name:	Seat No.:
Akanksha Sudarshan Machcha	B190594271
Nidhi Milind Bachuwar	B190594214
Shubham Dnayaneshwar Argade	B190594321
Abhijeet Ramling Todkar	B190594334


is a bonafide student of this institute and the work has been carried out by him/her under the supervision of **Prof. T. S. Bhoje** and it is approved for the partial fulfillment of the requirement of Savitribai Phule Pune University, for the award of the degree of **Bachelor of Engineering** (Computer Engineering).

  
Prof. T. S. Bhoje  
Guide

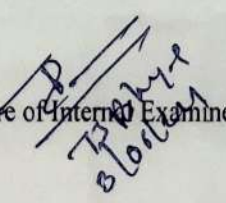
Department of Computer Engineering

  
Dr. S. G. Rathod  
Head,

Department of Computer Engineering

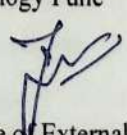
  
Dr. R. V. Bhortake  
Principal,

Marathwada Mitra Mandal Institute of Technology Pune

  
Signature of Internal Examiner

Place: Pune

Date:

  
Signature of External Examiner




## CERTIFICATE


This is to certify that the project report entitles


**“AUTOMATED DATA CLEANING USING MACHINE LEARNING.”**

Submitted by	B190594288
SHREYAS NIMBALKAR	B190594296
RUTVIK PAWLE	B190594229
YASHRAJ DEOKAR	B190594257
OMKAR KASTURE	

is a bonafide student of this institute and the work has been carried out by him/her under the supervision of **Prof. Sanjay A Agrawal** and it is approved for the partial fulfillment of the requirement of Savitribai Phule Pune University, for the award of the degree of **Bachelor of Engineering** (Computer Engineering).

  
(Prof. Sanjay A. Agrawal)  
Guide  
Department of Computer Engineering

  
(Dr.. S. G. Rathod)  
Head,  
Department of Computer Engineering

  
(Dr. R. V. Bhortake)  
Principal,  
Marathwada Mitra Mandal Institute of Technology Pune – 47

Place : Pune

Date :



“येथे अहतांचे हिल”

## CERTIFICATE

This is to certify that the project report entitles

### Virtual Invigilator

Submitted by

**DHRUV ATHWAL**

**B190594209**

**YASH ATHWAL**

**B190594210**

**AAYUSH KAPADI**

**B190594269**

is a bonafide student of this institute and the work has been carried out by him/her under the supervision of **Dr. Yogendra V Patil** and it is approved for the partial fulfillment of the requirement of Savitribai Phule Pune University, for the award of the degree of **Bachelor of Engineering** (Computer Engineering).

(Prof. Tejaswini Bhoje)

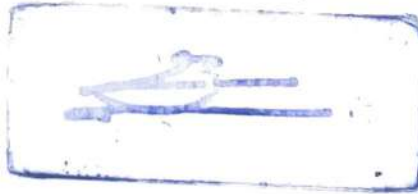
Guide

Department of Computer Engineering

(Dr. S. G. Rathod)

Head

Department of Computer Engineering



(Dr. R. V. Bhortake) Principal,

Marathwada Mitra Mandal Institute of Technology Pune – 47

Place : Pune

Date: / / 2024





“वेद्ये षड्गताये हिन”

## CERTIFICATE

This is to certify that the project report entitles

**“WILDLIFE CONSERVATION THROUGH ARTIFICIAL INTELLIGENCE”**

Submitted by

Student Name:	Seat No.:
Mahesh Bhojaling Babar	B190594213
Mansi Deepak Kodgire	B190594266
Suyash Prakash Kusumkar	B190594269
Sejal Avinash Zarekar	B190594346

is a bonafide student of this institute and the work has been carried out by him/her under the supervision of **Prof. M. S. Jagtap** and it is approved for the partial fulfillment of the requirement of Savitribai Phule Pune University, for the award of the degree of **Bachelor of Engineering** (Computer Engineering).

**Prof. M. S. Jagtap**  
Guide

Department of Computer Engineering

**Prof. S. G. Rathod**  
Head,

Department of Computer Engineering

**Dr. R. V. Bhortake**  
Principal,

Marathwada Mitra Mandal Institute of Technology Pune

Signature of Internal Examiner

Place: Pune

Date:

Signature of External Examiner







“चेथे बहुतांचे हित”

## CERTIFICATE

This is to certify that the project report entitles

“Deep Fake Using Large Language Model”

Submitted by

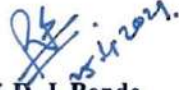
**STUDENT NAME:**

**PRANAY B. RATHOD  
RUSHIKESH S. BHALERAO  
GAJANAN K. THAKARKE  
GAURAV D. WAHATULE**

**SEAT NO:**

**B190594303  
B190594305  
B190594331  
B190594345**

is a bonafide student of this institute and the work has been carried out by them under the supervision of **Prof. D.J. Bonde** and it is approved for the partial fulfillment of the requirement of Savitribai Phule Pune University, for the award of the degree of **Bachelor of Engineering** (Computer Engineering).

  
**Prof. D. J. Bonde**  
Guide

Department of Computer Engineering

  
**Dr. S. G. Rathod**  
Head

Department of Computer Engineering



**Dr. R. V. Bhortake**  
Principal

Marathwada Mitra Mandal's Institute of Technology  
Pune -411047

  
Signature of  
Internal Examiner

  
Signature of  
External Examiner

Place: Pune  
Date:



“येथे बहुतांचे हित”

## CERTIFICATE

This is to certify that the Project Report entitled  
**DEVELOPMENT OF TOURS AND TRAVEL USING BLOCKCHAIN  
TECHNOLOGY FOR PAYMENT METHOD**

Submitted by

**Student Name:**

**Seat No.:**

VEDASHRI PHALAK

B190594339

SIMRAN KALOTE

B190594324

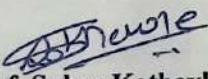
POONAM SUBRE

B190594327

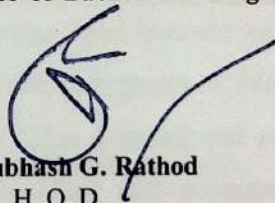
SIDDHI BHOSALE

B190594323


is a bonafide student of this institute and the work has been carried out by him/her under the supervision of **Prof. Suhas Kothavle** and it is approved for the partial fulfillment of the requirement of Savitribai Phule Pune University, for the award of the degree of **Bachelor of Engineering** (Computer Engineering).

  
**Prof. Suhas Kothavle**  
Guide


Department of Computer Engineering

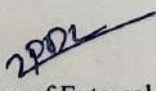
  
**Dr. Subhash G. Rathod**  
H. O. D.

Department of Computer Engineering

  
**Dr. R. V. Dhortake**  
Principal

Marathwada Mitra Mandal's Institute of Technology, Pune

  
Signature of Internal Examiner

  
Signature of External Examiner

Place:

Date:

## ACKNOWLEDGEMENT



“येथे बहुतांचे हित”

## CERTIFICATE

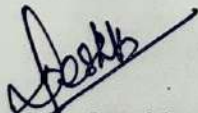
This is to certify that the project report entitled

### SPEECH EMOTION RECOGNITION SYSTEM WITH EVOLUTIONARY DATA AUGMENTATION


Submitted by

- |                  |            |
|------------------|------------|
| 1. PARAG MALI    | B190594275 |
| 2. JAYESH THORAT | B190594333 |
| 3. VAIBHAV MULE  | B190594337 |
| 4. IMRAN SHAIKH  | B190594314 |


is a bonafide student of this institute and the work has been carried out by him/her under the supervision of **Dr. J. Y. Deshmukh** and it is approved for the partial fulfilment of the requirement of Savitribai Phule Pune University, for the award of the degree of **Bachelor of Engineering (Computer Engineering)**.

  
**Dr. J. Y. Deshmukh**  
Guide

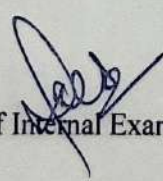
Department of Computer Engineering


  
**Dr. S. G. Rathod**  
Head

Department of Computer Engineering

  
**Dr. R. V. Bhortake**  
Principal

Marathwada Mitra Mandal Institute of Technology, Pune

  
Signature of Internal Examiner

  
Signature of External Examiner

Place: Pune

Date:



“येथे बहुलांचे हित”

## CERTIFICATE

This is to certify that the project report entitled

### DEEP SURVEILLANCE: ADVANCING VIDEO MONITORING WITH DEEP LEARNING

Submitted by

- |                     |            |
|---------------------|------------|
| 1. ASHOK BADADE     | B190594208 |
| 2. GAURAV BADGUJAR  | B190594216 |
| 3. VAIBHAV DESHMUKH | B190594232 |
| 4. RUTIK DHAMANE    | B190594236 |

is a bonafide student of this institute and the work has been carried out by him/her under the supervision of **Prof. Vikas Chavan** and it is approved for the partial fulfilment of the requirement of Savitribai PhulePune University, for the award of the degree of **Bachelor of Engineering** (Computer Engineering).

**Prof. Vikas Chavan**

Guide

Department of Computer Engineering

**Dr. S. G. Rathod**

Head

Department of Computer Engineering

**Dr. R. V. Bhortake**

Principal

Marathwada Mitra Mandal Institute of Technology, Pune

Signature of Internal Examiner

Signature of External Examiner

Place: Pune

Date:





“येथे महतांचे हित”

## CERTIFICATE

This is to certify that the project report entitled  
**“SHA-512 ENHANCED SECURE HASH DECENTRALIZED  
RESPONSE SYSTEM”**

Submitted by

Roll No	Name	Seat No.
BEA50	Santosh Pravin Kale	B190594253
BEA58	Aditya Arun Kavitate	B190594262
BEA65	Devesh Pravin Mahajan	B190594273
BEB42	Aditya Bandu Tayde	B190594329

is a bonafide student of this institute and the work has been carried out by him/her under the supervision of Prof. Yamini Warke and it is approved for the partial fulfillment of the requirement of Savitribai Phule Pune University, for the award of the degree of **Bachelor of Engineering** (Computer Engineering).

**Prof. Yamini Warke**  
Guide,  
Department of Computer  
Engineering

**Prof. Subhash G. Rathod**  
Head,  
Department of Computer  
Engineering

**Dr. R. V. Bhortake**  
Principal,  
Marathwada Mitra Mandal's Institute of Technology, Pune

Place: Pune

Date: 03/20/24

coordinator

2002

External Sign

SAVITRIBAI PHULE PUNE UNIVERSITY

2023 -2024



CERTIFICATE

This is to certify that the project report entitles.

**“TOKENIZED ART GALLERY USING BLOCKCHAIN”**

Submitted by

SHANTANU GAIKWAD	BEB62
DEVENDRA INJAPURI	B190594394
PRATHAMESH GAIKWAD	B190594242
TEJAS MORE	B190594330

is a bonafide student of this institute and the work has been carried out by him/her under the supervision of **Dr.Megha Kadam** and it is approved for the partial fulfilment of the requirement of Savitribai Phule Pune University, for the award of the degree of **Bachelor of Engineering** (Computer Engineering).

  
**Dr. Megha Kadam**

Guide

Department of Computer Engineering



**Dr. S. G. Rathod**

Head

Department of Computer Engineering



**Dr. R. V. Bhortake**


Principal

Marathwada Mitra Mandal Institute of Technology Pune – 47

Place: Pune

Date:

*Internal Examiner*

  
*External Examiner*  
II

MMIT Department of Computer Engineering 2023-2024 Lohegaon, Pune



“ येथे अहतांचे हित ”

## CERTIFICATE

This is to certify that the Project Report entitled  
**CLIENT SIDE INTERIOR DESIGN SOFTWARE USING AR VR**

Submitted by

**Student Name:**

**Seat No.:**

HIMANSHU UDAY ATTARDE

B190594211

POOJA MARUTI PAWAR

B190594297

RITESH AVINASH PHADTARE

B190594298

TRIVENI MUKUND PURI

B190594336

is a bonafide student of this institute and the work has been carried out by him/her under the supervision of **Prof. Rohini D. Mahale** and it is approved for the partial fulfillment of the requirement of Savitribai Phule Pune University, for the award of the degree of **Bachelor of Engineering** (Computer Engineering).

**Prof. Rohini D. Mahale**  
Guide

Department of Computer Engineering

**Dr. Subhash G. Rathod**  
H. O. D.

Department of Computer Engineering

**Dr. R. V. Bhortake**  
Principal

Marathwada Mitra Mandal's Institute of Technology, Pune

Signature of Internal Examiner

Signature of External Examiner

Place:

Date:





“येथे बहुतांचे हिल”

## CERTIFICATE

This is to certify that the project report entitles

“MUSIC RECOMMENDATION SYSTEM THROUGH FACIAL EXPRESSION”

Submitted by

Student Name:	Seat No:
Roshani Chaudhari	B190594222
Mansi Kayapure	B190594279
Akshata Mane	B190594277
Omkar Raut	B190594347

is a bonafide student of this institute and the work has been carried out by him/her under the supervision of Prof.Yogesh Dongare and it is approved for the partial fulfillment of the requirement of Savitribai Phule Pune University, for the award of the degree of Bachelor of Engineering (Computer Engineering).

  
Prof. Yogesh Dongare  
Guide

Department of Computer Engineering

  
Prof. S. G. Rathod  
Head,

Department of Computer Engineering

  
Dr. R. V. Bhortake

Principal,

Marathwada Mitra Mandal Institute of Technology Pune

  
Signature of Internal Examiner

Place: Pune

Date:

  
Signature of External Examiner



## CERTIFICATE

This is to certify that 'Mr. Ajay Birajdar, Mr. Chetan Meshram, Mr. Tushar Pawar & Miss. Saniya Mulla' has successfully completed the project report entitled "Automatic Bottle Filling System Using PLC" under my supervision, in the partial fulfilment of Bachelor of Engineering (Mechanical Engineering) of Savitribai Phule Pune University at Marathwada Mitra Mandars Institute of Technology, Lohegaon, Pune. The work embodied in this thesis has not formed earlier for the basis of the award of any degree or compatible certificate or similar title of this for any other diploma/examining body or university to the best of knowledge

Date: 27/5/24

Place: Pune

  
27/5/2024.

Guide

  
Project Coordinator

  
External

  
27/5/2024.

H.O.D.

Head of the Department  
Mechanical Engineering




  
Principal

**CERTIFICATE**

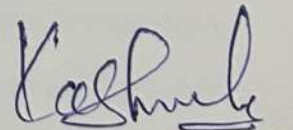
This is to certify that **Mr. Subodh Avinash Salve, Mr. Mahajan Rohan Rajendra, Ms. Bhavsar Darshana Sudhakar and Ms. Shrike Lalita Kailas** has successfully completed the project report entitled **“Digital Twin and Predictive Maintenance of Hydraulic System”** under my supervision, in the partial fulfilment of **Bachelor of Engineering (Mechanical Engineering)** of Savitribai Phule Pune University at Marathwada Mitra Manda’s Institute of Technology, Lohgaon, Pune.

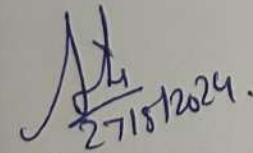
Date: 27/05/2024

Place: Pune

  
Guide


  
Project Coordinator

  
External

  
Head of the Department  
Mechanical Engineering

H.O.D.



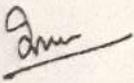
  
Principal

## CERTIFICATE

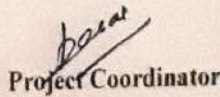
This is to certify that Mr. Swapnil Navnath Kakade, Mr. Saruk Prakash Vitthal, Mr. Thokal Tushar Goraksh and Mr. Walekar Mangesh Rajesh has successfully completed the project report entitled "Design, Development and Analytical Study of Solar Dryer for agricultural products" under my supervision, in the partial fulfilment of Bachelor of Engineering (Mechanical Engineering) of Savitribai Phule Pune University at Marathwada Mitra Manda's Institute of Technology, Lohgaon, Pune.

Date:

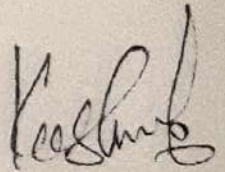
Place: Pune



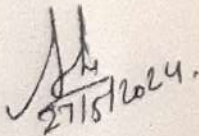
Guide



Project Coordinator



External



27/5/2024.

H.O.D.

Head of the Department  
Mechanical Engineering



Principal

**“Techno-Social Excellence”**

A

Project Report on

**“DESIGN AND DEVELOPMENT OF VERTICAL AXIS WIND TURBINE”**

For the Bachelor's Degree in

Mechanical Engineering

By

**KURESHI MOHAMMAD SAQLAIN SHAMSHODDIN**

**B190590837**

**SALUNKHE PRATHAM HARISHCHANDRA**

**B190590852**

Under the Guidance of

**Prof. D. P. Yesane**



येथे बहुतांचे हित

**Department of Mechanical Engineering**

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

**Savitribai Phule Pune University**

**[2023-24]**

## CERTIFICATE

This is to certify that **Mr. Shinde Atharva Avinash and Mr. Shinde Saurabh Shahaji** has successfully completed the project report entitled "**Fracture Toughness Evaluation of Un-notched SAE 1040 Automotive Steel**" under my supervision, in the partial fulfillment of **Bachelor of Engineering** (Mechanical Engineering) of Savitribai Phule Pune University at Marathwada Mitra Manda's Institute of Technology, Lohgaon, Pune.

Date: 27/05/24

Place: Pune



**Guide**



**Project Coordinator**



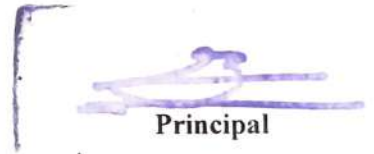
**External**



**H.O.D.**



**Seal**



**Principal**

## CERTIFICATE

This is to certify that **Mr. Bhukele Aniket Ravindra, Miss. Chavan Shubhangi Rajendra, Mr. More Yuvraj Uttamrao and Miss. Thorat Sanjivani Ashok** has successfully completed the project report entitled “**DESIGN AND DEVELOPMENT OF VORTEX COOLING SYSTEM**” under my supervision, in the partial fulfilment of **Bachelor of Engineering** (Mechanical Engineering) of Savitribai Phule Pune University at Marathwada Mitra Manda's Institute of Technology, Lohegaon, Pune.

Date:

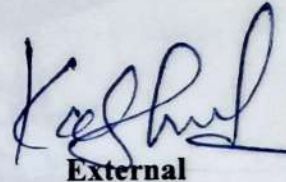
Place: **Pune**



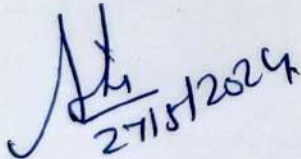
**Guide**



**Project Coordinator**



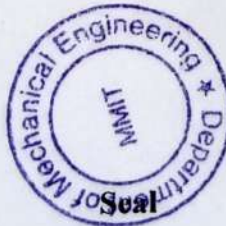
**External**



27/5/2024

**Head of the Department  
Mechanical Engineering**

**H.O.D.**



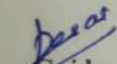
**Principal**

**CERTIFICATE**

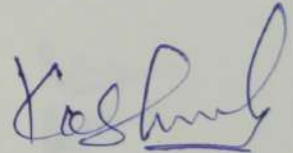
This is to certify that, **Mr. Bhalekar Vaibhav Rajendra, Mr. Gaikwad Sumit Shivaji, Mr. Sutar Shreyash Ravindra and Mr. Waghmare Rushikesh Raju** has successfully completed the project report entitled "**Design, Analysis & Development Of An Integrated Colour Decoding Agriculture Fertilizing (Spraying) Wireless Robot**" under my supervision, in the partial fulfilment of **Bachelor of Engineering (Mechanical Engineering)** of Savitribai Phule Pune University at Marathwada Mitra Manda's Institute of Technology, Lohgaon, Pune.

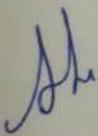
Date:

Place: **Pune**

  
Guide

  
Project Coordinator

  
External



H.O.D.  
Head of the Department  
Mechanical Engineering



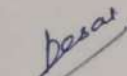
  
Principal

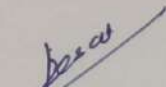
## CERTIFICATE

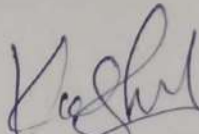
This is to certify that Mr. Nimbalkar Prasad Dnyaneshwar, Mr. Chavan Darshan Ramesh, Mr. Mutekar Onkar Santosh, Mr. Baisane Rahul Kashinath has successfully completed the project report entitled "Investigation of Petrol and Methanol Blend of Performance of S. I. Engine" under my supervision, in the partial fulfillment of Bachelor of Engineering (Mechanical Engineering) of Savitribai Phule Pune University at Marathwada Mitra Manda's Institute of Technology, Lohgaon, Pune.

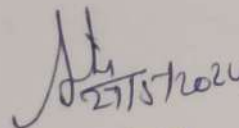
Date: 27-5-24

Place: Pune


  
Dr. S.V. Mutalikdesai  
(Guide)

  
Project Coordinator

  
External

  
Head of the Department  
Mechanical Engineering  
H.O.D.



  
Principal



## CERTIFICATE

This is to certify that **Ms. Bagade Sakshi Shashikant, Mr. Kesapure Rushikesh Tulshiram, Mr. Kulkarni Malhar Atul, and Ms. Shingate Rupali Prabhakar** has successfully completed the project report entitled. **“Designing & Developing a Porous based Box-type Heat exchanger for Enhanced Heat transfer rate”**. under my supervision, in the partial fulfilment of **Bachelor of Engineering (Mechanical Engineering)** of Savitribai Phule Pune University at Marathwada Mitra Manda’s Institute of Technology, Lohgaon, Pune

Date: 27/05/24

Place: Pune

*P. D. M.*  
GUIDE 27/05/24

*Atul*  
Project Coordinator

*Rupali*  
External

*M. H.*  
27/05/2024

Head of the Department  
Mechanical Engineering

H.O.D



Seal


*[Signature]*  
Principal

# CERTIFICATE

This is to certify that Mr. Ajit Hanumantrao Jadhav, Mr. Sitaram Ashok Ghadage, Mr. Tushar Narayan Awhale and Mr. Dhiraj Nanabhau Patil has successfully completed the project report entitled "Design Analysis & Topology Optimization of Engine mount bracket" under my supervision, in the partial fulfilment of **Bachelor of Engineering** (Mechanical Engineering) of Savitribai Phule Pune University at Marathwada Mitra Mandal's Institute of Technology, Lohgaon, Pune.

Date: 27/05/2024

Place: Pune

  
Guide

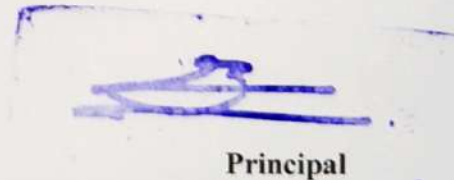
  
Project Coordinator

  
External

  
Head of the Department  
Mechanical Engineering

H.O.D.



  
Principal

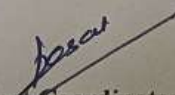
## CERTIFICATE

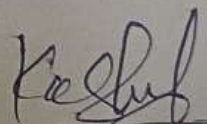
This is to certify that **Mr. Gurav Pramod Maruti, Mr. Reddi Vinayak Ankush, Mr. Dcosta Bryan Anthony** has successfully completed the project report entitled "**Design and Development of Chairless Chair**" under my supervision, in the partial fulfilment of **Bachelor of Engineering (Mechanical Engineering)** of Savitribai Phule Pune University at Marathwada Mitra Manda's Institute of Technology, Lohgaon, Pune.

Date: 27/5/2024

Place: Pune

  
Guide

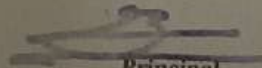
  
Project Coordinator

  
External

  
27/5/2024  
Head of the Department  
Mechanical Engineering  
H.O.D.



Seal

  
Principal

**CERTIFICATE**

This is to certify that **Mr. Ankush Potekar, Ms. Ankita Potdar, Mr. Shekhar Jagdhane, and Mr. Rahul Dambre** has successfully completed the project report entitled **“Design and Manufacturing of Firefighting Robot”** under my supervision, in the partial fulfilment of **Bachelor of Engineering (Mechanical Engineering)** of Savitribai Phule Pune University at Marathwada Mitra Manda's Institute of Technology, Lohgaon, Pune.

Date: 27/05/24

Place: Pune

*[Signature]*  
Guide

*[Signature]*  
Project Coordinator

*[Signature]*  
External

*[Signature]*  
27/5/2024  
Head of the Department  
Mechanical Engineering  
H.O.D.

Seal

*[Signature]*  
Principal



**“Techno-Social Excellence”**

A

Project Report on

**“SMART AGRICULTURAL ROBOT FOR SOWING SEEDS”**

For the Degree of

Bachelor of Engineering in Mechatronics Engineering

By

**Leena T. Gaikwad**

**B190595463**

**Pritee Kamble**

**B190595466**

**Abhishek Harel**

**B190595464**

Under the Guidance of

**Dr. Gargi Yadav**



येथे बहुतांचे हित

**Department of Mechatronics Engineering**

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

**Savitribai Phule Pune University**

**[2023-24]**

## CERTIFICATE

This is to certify that Ms. Leena T. Gaikwad, Ms. Pritee Kamble and Mr. Abhishek Harel have completed the project report entitled "SMART AGRICULTURAL ROBOT FOR SOWING SEEDS" under my supervision, in the partial fulfilment of Bachelor of Engineering (Mechanical Engineering) of Savitribai Phule Pune University at Marathwada Mitra Manda's Institute of Technology, Lohegaon, Pune.

Date:

Place: Pune


  
Guide

  
Project Coordinator

  
Dr. Yogesh Patil  
External

  
H.O.D.



  
Principal

**“Techno-Social Excellence”**

A

Project Report on

**“CONTROLLING 3-AXIS DELTA ROBOT USING MAPP TECHNOLOGY”**

**SPONSORED BY B&R AUTOMATION PVT.LTD.**

For the Degree of

Bachelor of Engineering in Mechatronics Engineering

By

**KAPSE SURAJ VISHVAS**

**B190595467**

**NAWALE SHUBHAM MAHESH**

**B190595474**

**VARPE HARSHVARDHAN MADAN**

**B190595483**

Under the Guidance of

**Prof. SHALAKA KSHIRSAGAR**



येथे बहुतांचे हित

**Department of Mechatronics Engineering**

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

**Savitribai Phule Pune University**

**[2023-24]**

## CERTIFICATE


This is to certify that **Mr. Kapse Suraj Vishvas, Mr. Nawale Shubham Mahesh and Mr. Varpe Harshavardhan Madan** have completed the project report entitled **“CONTROLLING 3-AXIS DELTA ROBOT USING MAPP TECHNOLOGY”** under my supervision, in the partial fulfilment of **Bachelor of Engineering (Mechatronics Engineering)** of Savitribai Phule Pune University at Marathwada Mitra Manda’s Institute of Technology, Lohegaon, Pune.

Date: 27-05-24

Place: Pune


  
Guide

  
Project Coordinator

  
Dr. Yogeshkumar  
External

  
H.O.D.



  
Principal



**“Techno-Social Excellence”**

A

Report on

# **DUAL AXIS SOLAR TRACKER**

For the Degree of

Bachelor of Engineering in Mechatronics Engineering

By

NAME	ROLL NO.
AYUSH AJIT AMBRE	B190595453
PIYUSH AJIT AMBRE	B190595454
SANGRAMRAJE MANIKARAO DESHMUKH	B190595460

Under the Guidance of  
Prof. SONALI . S. PATIL



येथे बहुतांचे हित

Department of Mechatronics Engineering  
Marathwada Mitra Mandal's Institute of Technology, Pune-411 047  
Savitribai Phule Pune University  
[2023-24]

## CERTIFICATE

This is to certify that **Mr. Ayush Ambre , Mr. Piyush Ambre, and Mr. Sangramraje Deshmukh** have completed the project report entitled “**DUAL AXIS SOLAR TRACKER**” under my supervision, in the partial fulfilment of **Bachelor of Engineering(MechatronicsEngineering)** of Savitribai Phule Pune University at Marathwada Mitra Manda’s Institute of Technology, Lohgaon, Pune.

Date: 27/05/2024

Place: Pune

  
Guide

  
Project Coordinator

  
External

  
H.O.D.



  
Principal

**“Techno-Social Excellence”**  
A PROJECT REPORT ON

# **“Dynamic Charging System”**

**Submitted Towards The**

Partial Fulfillment Of The Requirements Of

Bachelor Of Engineering

**Fourth Year Mechatronics Engineering**

**Academic Year: 2023-24**



**“येथे बहुतांचे हित”**

**MMIT**

**MARATHWADA MITRA MANDAL'S**

**Institute Of Technology (MMIT)**

Lohegaon Pune -411047

*Accredited with “A” grade by “NAAC”*

DECLARATION

**CERTIFICATE**

This is to certify that Ms. Akansha Dhore, Mr. Yashraj Palande, Mr. Mayur Bhagwat have completed the project report entitled "Dynamic Charging System" under my supervision, in the partial fulfilment of Bachelor of Engineering (Mechatronics Engineering) of Savitribai Phule Pune University at Marathwada Mitra Manda's Institute of Technology, Lohegaon, Pune.

Date: 22/05/2024

Place: Pune

Guide

Project Coordinator

External

.....

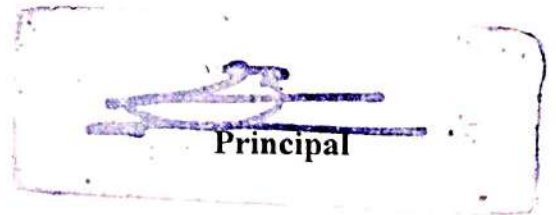
.....

.....

H.O.D.



Seal



Principal

.....

.....

.....

A Project Report on  
**“Autonomous Agricultural Robotic System for Crop Monitoring and Pest  
Detection”**

For the Degree of

Bachelor of Engineering in Mechatronics Engineering

OMKAR CHENNUR	B190595477
SAMEER DESHPANDE	B190595461
ABHISHEK PANDEY	B190595480
KARAN THAKUR	B190595482

Under the Guidance of

**Prof. Shashikant Golande**



**येथे बहुतांचे हित**

**Department of Mechatronics Engineering**  
**Marathwada Mitra Mandal's Institute of Technology, Pune-411047**

**Savitribai Phule Pune University**

**[2023-24]**

## CERTIFICATE

This is to certify that **Mr. Sameer Deshpande, Mr. Omkar Chennur, Mr. Abhishek Pandey and Mr. Karan Thakur** have completed the project report entitled **“Autonomous Agricultural Robotic System for Crop Monitoring and Pest Detection”** under my supervision, in the partial fulfilment of **Bachelor of Engineering (Mechatronics Engineering)** of Savitribai Phule Pune University at Marathwada Mitra Mandal's Institute of Technology, Lohegaon, Pune.

Date: 25-05-2024

Place: **Pune**

  
6/5/2024  
Guide

(Prof Shashikant Golande)



Project Coordinator  
(Prof Vishal Kulkarni)

  
External

  
H.O. D

(Dr. Mukesh Ghogre)



Seal

  
Principal

(Dr. Rupesh Bhortake)

“Techno-Social Excellence”

A

Project Report on

“Li-Fi Based Underwater Communication System”

For the Degree of

Bachelor of Engineering in Mechatronics Engineering

By

Prasad Ravindra Palande                      B190595478

Omkar Shashikant Kharat                      B190595468

Avishka Umesh Kadam                      B190595465

Under the Guidance of

Prof. V. V. Kulkarni



येथे बहुतांचे हित

Department of Mechatronics Engineering

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

Savitribai Phule Pune University

[2023-24]

DECLARATION

CERTIFICATE

We hereby declare that we have prepared, supervised and written the project report entitled "Li-Fi Based Underwater Communication System". It has not been previously submitted for the basis of the

This is to certify that **Mr. Prasad Ravindra Palande, Mr. Omkar Shashikant Kharat, Ms. Avishka Umesh Kadam** have completed the project report entitled "Li-Fi Based Underwater Communication System" under my supervision, in the partial fulfilment of **Bachelor of Engineering (Mechatronics Engineering)** of **Savitribai Phule Pune University at Marathwada Mitra Manda's Institute of Technology, Lohegaon, Pune.**

Date: 27/05/2024

Place: Pune

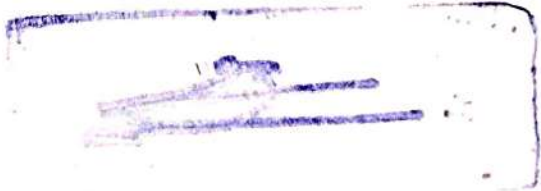
Guide

Project Coordinator

Dr. Jogesh Patil

External

H.O.D.



Principal



A Project Report on  
**“Designing Battery Management Systems with MATLAB”**

For the Degree of  
Bachelor of Engineering in Mechatronics Engineering

Submitted By

**SAURABH G. BHONDAVE**      **B190595458**

**PRATHAMEAH S. DESHMUKH**      **B190595459**

**PRATHMESH D. NARALE**      **B190595473**

Under The Guidance Of

**Prof. Apurva Ulhe.**



**येथे बहुतांचे हित**

**Department of Mechatronics Engineering**

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

**Savitribai Phule Pune University**

**[2023-24]**

## CERTIFICATE

This is to certify that **Mr. Saurabh Bhondave, Mr. Prathamesh Deshmukh, Mr. Prathamesh Narale** have completed the project report entitled “**Designing Battery Management System Using MATLAB**” under my supervision, in the partial fulfilment of **Bachelor of Engineering (Mechatronics Engineering)** of Savitribai Phule Pune University at Marathwada Mitra Manda’s Institute of Technology, Lohegaon, Pune.

Date: 27/05/2024

Place: Pune

Name of Student

Saurabh Bhondave

Prathamesh Deshmukh

Prathamesh Narale

Signature

*(Signature)*

*(Signature)*

*(Signature)*

Guide

*(Signature)*

Project Coordinator

*(Signature)*  
Dr. Yogesh Patil  
External

*(Signature)*  
H.O.D.



*(Signature)*  
Principal

A PROJECT REPORT ON  
**“CONTROLLING SCARA ROBOT USING MAPP-  
TECHNOLOGY”**

**SPONSORED BY B&R AUTOMATION PVT. LTD.**

For the Degree of

Bachelor of Engineering in Mechatronics Engineering

**ABHINAY SUBHASH VISHWAKARMA**

**B190595451**

**LAWAND OMKAR BAJIRAO**

**B190595469**

**SHINGOTE ABHIJEET DINKAR**

**B190595481**

Under the Guidance of

**Prof. Dr. Mukesh Ghogare.**



येथे बहुतांचे हित

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

**[2023-24]**

## CERTIFICATE

This is to certify that **Mr. Lawand Omkar Bajirao, Mr. Abhijeet Dinkar Shingote,** and **Mr. Vishwakarma Abhinay Subhash,** have completed the project report on entitled **“controlling SCARA Robot Using MAAP-Technology”** under my supervision in the partial fulfilment of Bachelor of Engineering (Mechatronics Engineering) of Savitribai Phule Pune University at Marathwada Mitra Mandal’s Institute of Technology, Lohgaon Pune.

Date: 27/05/2024

Place: Pune

  
Guide


  
Project Coordinator

  
External

  
H.O.D.



Seal

  
Principal

A Project Report on

**“AUTOMATED SCREWING  
MACHINE”**

For the Degree of

Bachelor of Engineering in

Mechatronics Engineering By

**GAURAV HITEN MAKWANA**

**B190595470**

**AISHWARYA PANKAJ MAWAL**

**B190595472**

Under the Guidance of  
**Prof. Vishal Kulkarni.**



येथे बहुतांचे हित

**Department of Mechatronics Engineering**

**Marathwada Mitra Mandal's Institute of Technology,**

**Pune-411 047**

**Savitribai Phule Pune University**

**[2023-24]**

## CERTIFICATE

This is to certify that **Mr. Gaurav Hiten Makwana, Ms. Aishwarya Pankaj Mawal** have completed the project report entitled "**Automated Screwing Machine**" under my supervision, in the partial fulfillment of **Bachelor of Engineering (Mechatronics Engineering)** of Savitribai Phule Pune University at Marathwada Mitra Mandal's Institute of Technology, Lohegaon, Pune.

Date:

Place: **Pune**

  
Guide

  
Project Coordinator

  
  
External

  
H.O.D.



  
Principal

**“Techno-Social Excellence”**

A

**“DEVELOPMENT OF AUTONOMOUS MOBILE ROBOT”**

For the Degree of

Bachelor of Engineering in Mechatronics Engineering

By

<b>BARAPATRE ANAND NARENDRA</b>	<b>B190595455</b>
<b>GAIKWAD ABHISHEK SUNIL</b>	<b>B190595462</b>
<b>VRUSHABH JAIN</b>	<b>B190595484</b>
<b>BHAYASHARI GADHE</b>	<b>B190595457</b>

Under the Guidance of

**Prof. S. V. GOLANDE**



**येथे बहुतांचे हित**

**Department of Mechatronics Engineering**

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

Savitribai Phule Pune University [2023-24]

## CERTIFICATE

This is to certify that **Mr. Vrushabh Jain, Mr. Abhishek Gaikwad, Mr. Anand Barapatre and Ms. Bhagyashree Gadhe** have completed the project report entitled **“DEVELOPMENT OF AUTONOMOUS MOBILE ROBOT”** under my supervision, in the partial fulfillment of **Bachelor of Engineering** (Mechatronics Engineering) of Savitribai Phule Pune University at Marathwada Mitra Mandal's Institute of Technology, Lohegaon, Pune.

Date: 27-05-24

Place: Pune


  
27/05/2024  
Guide

  
Project Coordinator

  
External

  
H.O.D.



  
Principal

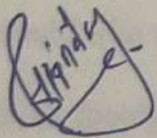


## CERTIFICATE

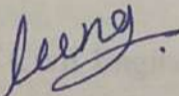
This Is Certify That **Mr. Aniket Patil, Mr. Mahesh Chankhore, Mr. Omkar Khatate , Mr. Rohan Walunj, Mr. Rohit Kotwale** Has Successfully Completed The Project Stage-II Report Entitled **“A Comprehensive Analysis of Accuracy, Efficiency, and Time of Building Manual Estimation vs. Software-Based Estimation”** Under My Supervision, In The Partial Fulfillment Of **Bachelor Of Engineering (Civil Engineering)** Of Savitribai Phule Pune University At Marathwada Mitra Mandal’s Institute Of Technology (MMIT) Lohegaon, Pune.

Date: *27/5/2024*

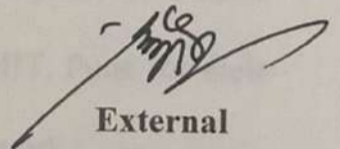
Place: **Pune**



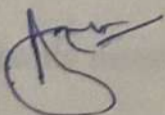
**Guide**



**Project Coordinator**



**External**



**H.O.D.**



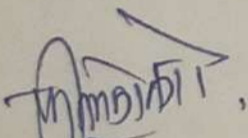
**Principal**

CERTIFICATE

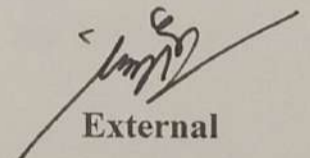
This is to certify that Mr. OM SHIVRAJ RAMKOTE, Mr. SOURABH SARJERAO PATIL, Mr. GAURAV JALINDAR PAWASE, Mr. SANKET ATMARAM SALUNKHE and Mr. AMIT MAROTI GIRMAJI has successfully completed the project stage-II report entitled "USE OF PLASTIC BOTTLE & SOLID PLASTIC IN REINFORCED CONCRETE BEAM" under supervision of Prof. P.B. KOKATE, in the partial fulfilment of Bachelor of Engineering (Civil Engineering) of Savitribai Phule Pune University at Marathwada Mitramandal's Institute of Technology, Lohgaon, Pune.

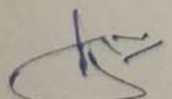
Date: 28/05/2024

Place: Pune

  
Guide

  
Project Coordinator

  
External

  
H.O.D.



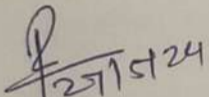
  
Principal

## CERTIFICATE

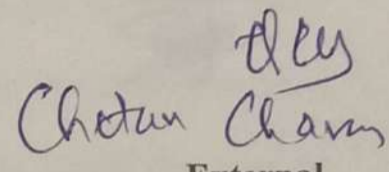
This is to certify that **Mr. Dnyaneshwar Ranher, Mr. Amar Kawale, Ms. Shivanjali Raja, Ms. Anjali Rathod and Ms. Priyanka Sapte** has successfully completed the project stage-II report entitled "**Electrochemical coagulation ECC Technology for treatment of medical wastewater**" under my supervision, in the partial fulfilment of **Bachelor of Engineering (Civil Engineering)** of Savitribai Phule Pune University at Marathwada Mitramandal's Institute of Technology, Lohegaon, Pune.

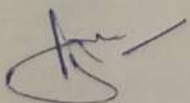
Date: **27/05/24**

Place: **Pune**


  
27/5/24  
Guide

  
Project Coordinator

  
Chetan Cham  
External

  
H.O.D.



  
Principal



“येथे बहुतांचे हित”

**CERTIFICATE**

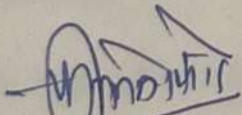
This is to certify that the project report entitles

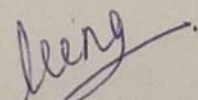
**“STUDY OF CONVENTIONAL COUPLER IN COSTRUCTION PROJECT”**

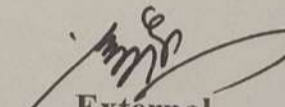
Submitted by

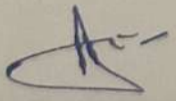
CHAVAN PRITEE BHAGWANSINGH	B190590008
DUKARE ASHWINI KONDHIBHAU	B190590011
KAUTKAR VISHAL ANIL	B190590022
PATIL ABHISHEK SANJAY	B190590030
LASHKARE VAISHNAVI NAVNATH	B190590056

is a bonafide student of this institute and the work has been carried out by him under the supervision of **Prof. Punam Kokate** and it is approved for the partial fulfillment of the requirement of Savitribai Phule Pune University, for the award of the degree of **Bachelor of Engineering** (Civil Engineering).

  
Guide

  
Project Coordinator

  
External

  
H.O.D.



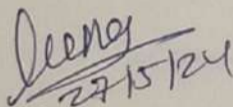
  
Principal

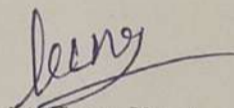
## CERTIFICATE

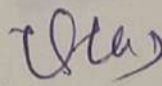
This is to certify that Mr. RUSHIKESH T. SOLAUNDE, Mr. OM U. JAKATE, Mr. SAMARTH J. PATIL, Mr. SANKET S. JADHAV and Mr. PARAG A. VAIKOS has successfully completed the project report entitled "TRAFFIC SIGN DETECTION BY USING INTELLIGENT TRANSPORT SYSTEM" under my supervision, in the partial fulfilment of Bachelor of Engineering (Civil Engineering) of Savitribai Phule Pune University at Marathwada Mitramandal's Institute of Technology, Lohgaon, Pune.

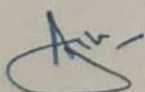
Date: 27/05/2024.

Place: Pune

  
27/5/24  
Guide

  
Project Coordinator

  
Chetan Chavan  
External

  
H.O.D.



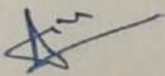
  
Principal

## CERTIFICATE

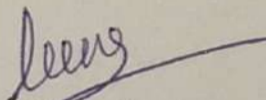
This is to certify that **Mr. Suraj Shaikh, Mr. Smeet Kadam, Mr. Abhijit Pawar, Ms. Sahil Shinde, and Ms. Sanket Lokhande** have successfully completed the project stage-I report entitled "**Design of rectangular ferrocement water tank**" under my supervision, in the partial fulfillment of **Bachelor of Engineering (Civil Engineering)** of Savitribai Phule Pune University at Marathwada Mitramandal's Institute of Technology, Lohgaon, Pune.

Date: 28/5/2024

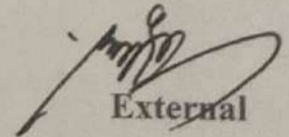
Place: Pune



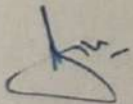
Guide



Project Co-ordinator



External



H.O.D.



Principal