Department of Computer Engineering, PDEA's College of Engineering, Manjari(BK) ,Pune

CERTIFICATE

This is to certify that following students from **Second Year Computer Engineering** have successfully completed and submitted the Project work titled **"Pure** Calm :All about Mental Health " at PDEA's College of Engineering, Manjari (BK"), Pune -412307 in the partial fulfillment of the Bachelor's Degree in Computer Engineering by Savitribai Phule ,University of Pune for the academic year-2023-24

Student Name-Gopal Sawant

Student Name-Neha Shinge

Student Name-Naina Singh

Student Name-Samarth Shinde

Date :- 02/05/24

Mentor Name

Prof . Priyanka Kaurav

Head Of Department

Dr . M. P. Borawake

PDEA's C Department of
College of Engineering,
Manjari(BK),Pune

CERTIFICATE

This is to certify that following students from **Second Year Computer Engineering** have successfully completed and submitted the Project work titled -"**Simon Game**"> at PDEA's College of Engineering, Manjari (BK"), Pune - 412307 in the partial fulfillment of the Bachelor's Degree in Computer Engineering by Savitribai Phule ,University of Pune for the academic year-2023-24 .

Pratiksha Jagannath Solat   S190264399

Supriya Bapu Sobale   S190264398

Sneha Dadhibal Singh   S190264395

Date :-

(Head Of Department)

Dr. M.P.Borawake
Head of Computer Engg. Dept
P.D.E.A.'s College of Engineering
Manjari (Bk.), Pune- 412307.

Guide Name

(Prof. Priyanka Kavrav)

PDEA

CERTIFICATE

This is to certify that following students from **Second Year Computer Engineering** have successfully completed and submitted the Project work titled "PYTHON" at PDEA's College of Engineering, Manjari (BK"), Pune -412307 in the partial fulfillment of the Bachelor's Degree in Computer Engineering by Savitribai Phule University of Pune for the academic year-2023-24

Pratiksha Badhe	S190264210
Amar Dole	S190264246
Rohan Gaikwad	S190264253
Ganesh Ghule	S190264258
Dipali Mulke	S190264380

Date :-

Prof. J. Kumari
(Guide Name)

Dr. M.J Barewska
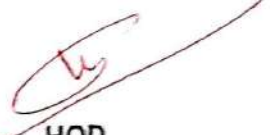(Head of Department)

Dr. M. V. Patil
(Principle)
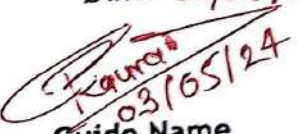
CERTIFICATE

This is to certify that following students from **Second Year Computer Engineering** have successfully completed and submitted the Project work titled **"E-Healthcare System"** at PDEA's College of Engineering, Manjari (BK"), Pune –412307 in the partial fulfillment of the Bachelor's Degree in Computer Engineering by Savitribai Phule ,University of Pune for the academic year-2023-24

Rutwik Alhat

Manoj Khandve

Yogesh Pawar

Sahil Repale

Swapnil Dande

Date:- 03/05/24

03/05/24

Guide Name
Prof. Priyanka Kaurav

HOD
Dr. M. P. Borawake

Department of Computer Engineering, PDEA's College of Engineering, Manjari(BK),Pune
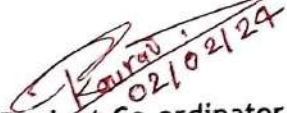
CERTIFICATE

This is to certify that following students from **Second Year Computer Engineering** have successfully completed and submitted the Project work titled "**Library Management System**" at PDEA's College of Engineering, Manjari (BK"), Pune -412307 in the partial fulfillment of the Bachelor's Degree in Computer Engineering by Savitribai Phule, University of Pune for the academic year-2023-24

Hanee sunil Wararkar

Khushi Vaskar

Sakshi Waghmare

02/02/24

Project Co-ordinator
(Prof. Priyanka Kaurav)

Head Of Department
(Dr. M.P. Borawake)

PDEA's C Department of
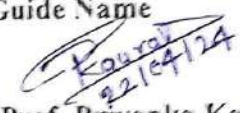College of Engineering,
Manjari(BK),Pune

CERTIFICATE

This is to certify that following students from **Second Year Computer**
Engineering have successfully completed and submitted the Project work titled
<"Students Details App Using Android Application "> at PDEA's College of
Engineering, Manjari (BK"), Pune -412307 in the partial fulfillment of the
Bachelor's Degree in Computer Engineering by Savitribai Phule ,University of Pune
for the academic year-2023-24 .

Dnyaneshwari . B. Landge   S190264316

Tanishka . D . Pandav   S190264341

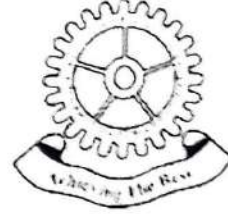Samruddhi . S. Pawar   S190264352

Date :-

(Head Of Department)

Dr. M.P.Borawake

Guide Name

(Prof. Priyanka Kavrav)

Computer Engineering

Department of

Computer

Engineering, PDEA's

College of Engineering,

Manjari(BK),Pune

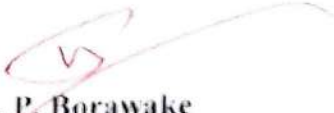PDEA

Pune District Education Association

CERTIFICATE

This is to certify that following students from **Second Year**

Computer Engineering have successfully completed and submitted

the Project work titled *"E-Voting System"* at PDEA's College of

Engineering, Manjari (BK"), Pune-412307 in the partial fulfillment of

the Bachelor's Degree in Computer Engineering by Savitribai Phule

,University of Pune for the academic year-2023-24.

Sagar Kisan Wavhal (S190264426)

Manas Sharad Torane (S190264409)

Date :- 21/04/2024

Dr. M. P. Borawake
H.O.D.

Prof. Priyanka Kaurav
Project Co-ordinator/ Mentor

CERTIFICATE

This is to certify that the Project report entitled "Daily Expenses Tracking" being submitted by

Yash Waphare S190264422

Sudhanshu Wankhede S190264421

Vishal Sudrik S190264403

is a record of bonafide work carried out by him/her under the supervision and guidance of **Prof.Priyanka kaurav** in partial fulfillment of the requirement for **SE (Computer Engineering) – 2019 course** of Savitribai Phule Pune University, Pune in the academic year 2023-24

Date:08 / 05 / 2024

Place:

Prof.Priyanka Kaurav

Mentor

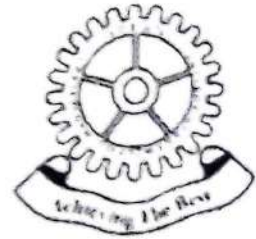Prof. Priyanka Kaurav

PBL Co-ordinator

Prof. M. P. Borawake

HOD

This PBL report has been examined by us as per the Savirtibai Phule Pune University, Pune. requirements at PDEA's College of Engineering on . . . .

(Prof. Priyanka Kaurav)

Mentor

2

Department of Computer Engineering, PDEA's College of Engineering, Manjari(BK),Pune

CERTIFICATE

This is to certify that following students from **Second Year Computer Engineering** have successfully completed and submitted the Project work titled "Malware Analysis" at PDEA's College of Engineering, Manjari (BK"), Pune -412307 in the partial fulfillment of the Bachelor's Degree in Computer Engineering by Savitribai Phule ,University of Pune for the academic year-2023-24

Yuvraj Dudhal

Akash Wavhal

Prathmesh Udar

Sanket Sudrik

Mahesh Suryavanshi

Date :- 11/05/24

Project Co-ordinator

Head of Department

Prof Priyanka Kaurav

Dr M.P Borawake

CERTIFICATE

This is to certify that following students have successfully and satisfactorily completed and submitted their project "Collage Document Generator" in fulfillment of Second year of degree course in Computer Engineering prescribed by Savitribai Phule Pune University for academic year 2023-2024.

Project Team

Student 1: Mhasade Ankita Shivaji   S190264330

Student 2: Magar Vaishnavi Santosh   S190264319

Student 3: Awghade Bipasha Ashok   S190264208

Kaura
11/05/24

Prof. Priyanka Kaurav

Prof. Dr. M.P.Borawake

(H.O.D)

(Project Guide)

2

Department of Computer Engineering, PDEA's College of Engineering, Manjari(BK),Pune

PDEA
Pune District Education Association

CERTIFICATE

This is to certify that following students from **Second Year Computer Engineering** have successfully completed and submitted the Project work titled **"College Event Management System"** at PDEA's College of Engineering. Manjari (BK), Pune –412307 in the partial fulfillment of the Bachelor's Degree in Computer Engineering by Savitribai Phule .University of Pune for the academic year-2023-24

Sakshi S. Jadhav	S190264277
Netra S. Nagpure	S190264337
Pranali M. Pathare	S190264344

Date :-

Guide Name
(Prof.Priyanka Kaurav)

H. O. D
(Dr.M.P.Borwake)

Pune District Education Association's

COLLEGE OF ENGINEERING

Manjari (Bk), Pune-412307

CERTIFICATE

This is to certify that following students have successfully and satisfactorily completed and submitted their project "SafeDrive: Real-time Drowsiness Detection System" in fulfillment of first year of degree course in computer Engineering prescribed by Savitribai Phule Pune University for academic year 2023-2024.

Project Team

RUSHABH KAPSE	Exam Seat No. - F190260224
TANISHKA KATKAR	Exam Seat No. - F190260228
ABHISHEK KAWARE	Exam Seat No. - F190260233
ADARSH KENDRE	Exam Seat No. - F190260235
VAIBHAV KHULKHULE	Exam Seat No. - F190260244
AVINASH KALAMKAR	Exam Seat No. - F190260209

Prof. B. S. Tupe

(Project Guide)

Prof. M. P. Rananaware

(H.O.D)

Dr. R. V. Patil

PRINCIPAL

Scanned with OKEN Scanner

Pune District Education Association's

COLLEGE OF ENGINEERING

Manjari (Bk), Pune-412307

CERTIFICATE

This is to certify that following students have successfully and satisfactorily completed and submitted their project " Snake Game " in fulfillment of first year of degree course in Computer Engineering prescribed by Savitribai Phule Pune University for academic year 2023-2024.

Project Team

Student 1:- DADAS KIRAN VILAS   Exam Seat no:-F190260246
Student 2:-MANDWE ANKITA TUKARAM   Exam Seat No:-F190260281
Student 3:-NISAL SAMRUDDHI KAILAS   Exam Seat No:-F190260338
Student 4:-KHARAT ASMITA ASHOK   Exam Seat No:-F190260238

Prof. B. S. Tupe   Prof. M. P. Kedari   DR. R. V. Patil

(Project Guide)   (H.O.D)   PRINCIPAL

बहुजन हिताय बहुजन सुखाय

PDEA
PUNE DISTRICT EDUCATION ASSOCIATION

Pune District Education Association's

COLLEGE OF ENGINEERING

Manjari (Bk), Pune-412307

<u>CERTIFICATE</u>

This is to certify that following students have successfully and satisfactorily completed and submitted their project "chatbot" in fulfillment of first year of degree course in COMP Engineering prescribed by Savitribai Phule Pune University for academic year 2023-2024.

<u>Project Team</u>

Vaishnavi Jaywant Jagdale	FE COMP	ExamSeatNo.F190260002
Ankita Dilip Jagtap	FE COMP	ExamSeatNo.F190260185
Nikita Santosh Jagtap	FE COMP	ExamSeatNO.F190260186
Sakshi Hanumant Jagtap	FE COMP	ExamSeatNo.F190260189
Vaishnavi Sandip Kolhe	FE COMP	ExamSeatNo.F190260251

Guide

Prof. B.S.Tupe

HOD Fe COMP

Prof.M.P.Ranaware

Principal

Dr. R.V.Patil

Pune District Education Association's

COLLEGE OF ENGINEERING

Manjari (Bk), Pune-412307

CERTIFICATE

This is to certify that following students have successfully and satisfactorily completed and submitted their project "SMART CITY" in fulfillment of first year of degree course in COMPUTER Engineering prescribed by Savitribai Phule Pune University for academic year 2023-2024.

Project Team

Student 1 Ishwari Belhekar	Exam Seat No F190260035
Student 2 Rajnandini Daundkar	Exam Seat No F190260094
Student 3 Sakshi Kakade	Exam Seat No F190260207
Student 4 Vishal Gutte	Exam Seat No F190260157
Student 5 Samarth Bhosale	Exam Seat No F190260055
Student 6 Utkarsh Khose	Exam Seat No F190260242

Prof. Bhagyashri Tupe

(Project Guide)

Prof. M. P. Rananaware

(H.O.D)

DR. R.V. Patil

PRINCIPAL

CONTENTS

Pune District Education Association's

COLLEGE OF ENGINEERING

MANJARI (BK), PUNE-412307

Pune District Education Association'

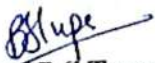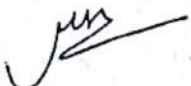## COLLEGE OF ENGINEERIN

Manjari (Bk), Pune-412307

CERTIFICATE

This is to certify that following students have successfully and satisfactorily completed and submitted their project "SMS SPAM FILTER" in fulfillment of first year of degree course in Computer Engineering prescribed by Savitribai Phule Pune University for academic year 2023-2024.

Project Team

1. Shruti Baravkar	F190260031
2. Akshara Panikar	F190260374
3. Gayatri Chavan	F190260072
4. Tanishqa Hole	F190260164
5. Girijia More	F190260306
6. Avishka Garud	F190260131

Prof. Prof B S Tupe

(Project Guide)

Prof. M P Rananaware

(H.O.D)

DR. R V Patil

PRINCIPAL

2

Pune District Education Association's

COLLEGE OF ENGINEERING

Manjari (Bk), Pune-412307

CERTIFICATE

This is to certify that following students have successfully and satisfactorily completed and submitted their project "Wireless Electricity Transmission" in fulfillment of first year of degree course in Computer Engineering prescribed by Savitribai Phule Pune University for academic year 2023-2024.

Project Team

1. Abhijit Mukhekar   **Exam Seat No : F190260312**

2. Rahul Mali   **Exam Seat No : F190260278**

3. Yash More   **Exam Seat No : F190260309**

4. Apurva kudale   **Exam Seat No : F190260016**

5. Vivek malthane   **Exam Seat No : F190260279**

6. Shubham kate   **Exam Seat No : F190260227**

Prof.Bhaghyashri Tupe   Prof.Manisha Kedari   DR. R.V.Patil

(Project Guide)   (H.O.D)   PRINCIPAL

बहुजन हिताय, बहुजन सुखाय।

PDEA

Pune District Education Association

This is to certify that the PBL-I project report entitles

INTRODUCTON TO THE CALCULATOR

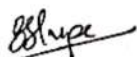| STUDENT NAME	Exam seat No
SARTHAK KSHIRSAGAR	F190260003
SHAMRAJ KULKARNI	F190260265
VEDIKA KURKUTE	F190260267
SHIVRAJ MAGAR	F190260275
SHRAVANI MAKODE	F190260277
VAISHNAVI MOHITE	F190260301

is a bonafied student of this institute and the work has been carried out by

him/her under the guidance of Prof. B.S. TUPE 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, FE Department.**

Prof. B.S. TUPE   Prof. M. P. Rananaware   Dr. R. V. Patil

Subject Teacher   H.O.D.   Principal

Pune District Education Association's

COLLEGE OF ENGINEERING

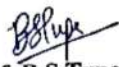Manjari (Bk), Pune-412307

CERTIFICATE

This is to certify that following students have successfully and satisfactorily completed and submitted their project "RECYCLING OF PLASTIC" in fulfillment of first year of degree course in Computer Engineering prescribed by Savitribai Phule Pune University for academic year 2023-2024.

Project Team

Vedant Natu	F190260329
Pratik Panchal	F190260343
Rahul Mhetre	F190260297
Shravani Jagadale	F190260183
Pratiksha Deshmukh	F190260101
Tanuja Jagtap	F190260190

Prof. B.S.Tupe

(Project Guide)

Prof. M.P.Rananaware

(H.O.D)

DR. R.V.Patil

PRINCIPAL

2

Pune District Education Association's

COLLEGE OF ENGINEERING
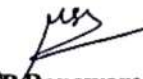
Manjari (Bk), Pune-412307

CERTIFICATE

This is to certify that following Students have successfully and satisfactorily completed and submitted there Project **"Women's Safe Shield: An Android Application"** in fulfillment of first year of degree course in **Computer Science & Engineering** prescribed by **Savitribai Phule Pune University** For Academic Year 2023-2024.

Project Team

Ayesha Momin	F190260302
Rutuja Muthe	F190260323
Gauri More	F190260305
Meet Mane	F190260283
Alok Mishra	F190260298
Dhanuj Mhavarkar	F190260295

Prof. B S Tupe Patil

(Project Guide)

Prof. M P Ranaware

(H.O.D)

Dr. R V Patil

PRINCIPAL

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Pune District Education Association's

COLLEGE OF ENGINEERING

Manjari (Bk), Pune-412307

CERTIFICATE

This is to certify that following students have successfully and satisfactorily completed and submitted their project "SMART CITY" in fulfillment of first year of degree course in COMPUTER Engineering prescribed by Savitribai Phule Pune University for academic year 2023-2024.

Project Team

Student 1 Ishwari Belhekar	Exam Seat No F190260035
Student 2 Rajnandini Daundkar	Exam Seat No F190260094
Student 3 Sakshi Kakade	Exam Seat No F190260207
Student 4 Vishal Gutte	Exam Seat No F190260157
Student 5 Samarth Bhosale	Exam Seat No F190260055
Student 6 Utkarsh Khose	Exam Seat No F190260242

Prof. Bhagyashri Tupe   Prof. M. P. Rananaware   DR. R.V. Patil

(Project Guide)   (H.O.D)   PRINCIPAL
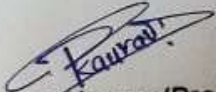
CONTENTS

CERTIFICATE

This is to certify that the Project report entitled "Study Material Management" being submitted by

Nisha Patil	(S190268573)
Tejaswi Anand	(S190268504)
Sakshi Vitekar	(S190268503)
Snehal Gite	(S190268596)

is a record of bonafide work carried out by him/her under the supervision and guidance of Prof.P.Kaurav in partial fulfillment of the requirement for SE (Information Technology Engineering) – 2019 course of Savitribai Phule Pune University, Pune in the academic year 2023-24

Prof.P.Kaurav/Prof.Shubhangi

Mentor /Guide

Dr.D.S.Hirolikar

HOD

CERTIFICATE

This is to certify that the Project report entitled **"Text to Image Genrator"** being submitted by **Sagar Karegaonker (S190268543)** , **Pratik Khandge (S190268544)** , **Vishal Khemnar (S190268545)** , **Tanishq Kokane (S190268546)** , **Yogesh Landge (S190268555)** is a record of bonafide work carried out by him under the supervision and guidance of Prof.S.S.Divekar in partial fulfillment of the requirement for **SE (Information Technology Engineering) – 2019 course** of Savitribai Phule Pune University, Pune in the academic year 2023-24

Date: 18/04/2024

Place: Manjari

Prof. Priyanka Kaurav

Mentor

Head of Dept.
Dr. D. S. Hirolikar
Department of Information Technolog
P.D.E.A.'s College of Engineering
Manjari (BK)-412307

This PBL report has been examined by us as per the Savitribai Phule Pune University, Pune, requirements at PDEA's College of Engineering on 18/04/2024.
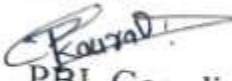
(Name & Signature)
Prof.Priyanka Kaurav

CERTIFICATE

This is to certify that the Project report entitled **"Garbage Segregation System Project"** being submitted by **Manasi Kamble(28)**, **Vibhawari Kamble(29)**, **Manasi kumkar(35)**, **Payal Jadhav(48)**, **Mrunali Patil(38)**, **Neha Pawar(41)** is a record of bonafide work carried out by him/her under the supervision and guidance of **Prof. Shikha Jain** in partial fulfillment of the requirement for **SE (Information Technology Engineering) – 2019** course of Savitribai Phule Pune University, Pune in the academic year 2023-24

Date: 18/4/24

Place:

PBL Coordinator
Prof. Priyanka kaurav/
Prof. Shubhangi divekar

Mentor/Guide
Prof. Shikha Jain

HOD
Prof. Deepali Hirolikar
Head of Dept.
Department of Information Technology
P.D.E.A.'s College of Engineering
Manjari (BK)-412307

This PBL report has been examined by us as per the Savirtibai Phule Pune University, Pune, requirements at PDEA's College of Engineering on . . . . .

. . . . Title " Garbage Segregation System "
Dated on: 18/4/24.

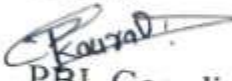(Name & Signature)
Mentor

3

CERTIFICATE

This is to certify that the Project report entitled "Garbage Segregation System Project" being submitted by **Manasi Kamble(28), Vibhawari Kamble(29), Manasi kumkar(35), Payal Jadhav(48), Mrunali Patil(38), Neha Pawar(41)** is a record of bonafide work carried out by him/her under the supervision and guidance of **Prof. Shikha Jain** in partial fulfillment of the requirement for **SE (Information Technology Engineering) – 2019** course of Savitribai Phule Pune University, Pune in the academic year 2023-24

Date: 18/4/24

Place:

PBL Coordinator
Prof. Priyanka kaurav/
Prof. Shubhangi divekar

Mentor/Guide
Prof. Shikha Jain

HOD
Prof. Deepali Hirolikar
Head of Dept.
Department of Information Technology
P.D.E.A.'s College of Engineering
Manjari (BK)-412307

This PBL report has been examined by us as per the Savirtibai Phule Pune University, Pune, requirements at PDEA's College of Engineering on . . . . . .

. . . . Title " Garbage Segregation System "
Dated on: 18/4/24.

(Name & Signature)
Mentor

3

PDEA'S COLLEGE OF ENGINEERING

MANJARI BUDRUK, MAHARASHTRA, INDIA 2023-24

Department Of Information Technology,

PDEA

Pune District Education Association

CERTIFICATE

This is to certify that the Project report entitled "**EVENT OVERSIGHT**" being submitted by SRUSHTI SATHE (Exam Seat No: S190268586), PRAJAKTA SHINDE (Exam Seat No: S190268591), SAMRUDHI ZADBUKE (Exam Seat No: S190268610), KOMAL WAGHMARE (Exam Seat No: S190268605), RUTUJA PAWAR (Exam Seat No: S190268575) is a record of bonafide work carried out by her under the supervision and guidance of Prof. P. Kaurav and Prof. S. Divekar in partial fulfillment of the requirement for **SE (Information Technology Engineering) – 2019 course** of Savitribai Phule Pune University, Pune in the academic year 2023-2024

Date:

Place:Pune

Prof.R.M.Kawale

Mentor

Prof.P.Kaurav & Prof. S.Divekar

PBL Co-ordinators

Dr.D.Hirolikar

Head Of Department

This PBL report has been examined by us as per the Savitribai Phule Pune University, Pune, requirements at PDEA's College of Engineering on . . . .

CERTIFICATE

This is to certify that the Project report entitled

"ACADEMIC HUB (STUDY MATERIAL WEBSITE)"

being submitted by

Sayali Mukund Bhakare(S190268510)

Shruti Santosh Chavan(S190268518)

Gitanjali Sudam Jadhav(S190268531)

Samiksha Pravin Bodkhe(S190268512)

Darshana Narendra Chaudhari(S190268515)

is a record of bonafide work carried out by group under the supervision and guidance of Prof. S. Saraswat in partial fulfillment of the requirement for SE (Information Technology Engineering) – 2019 course of Savitribai Phule Pune University, Pune in the academic year 2023-24

Date: 19/4/24

Place: Pune

Prof. S. Saraswat

Mentor

Dr. D. S. Hilolikar

Head of the Department

This PBL report has been examined by us as per the Savitribai Phule Pune University, Pune, requirements at PDEA's College of Engineering on . . . . . .

Prof. S. Saraswat

Mentor

Pune District Education Association's

COLLEGE OF ENGINEERING

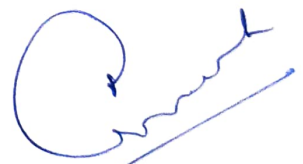### Manjari (Bk), Pune-412307

CERTIFICATE

This is to certify that following students have successfully and satisfactorily completed and submitted their project **"MINI HACKSAW POWERED BY BEAM ENGINE"** in fulfillment of second year of degree course in Mechanical Engineering prescribed by Savitribai Phule Pune University for academic year 2023-2024.

SANAD BHISE	S190260806
CHETANA MESTRI	S190260811
VARSHA JADHAV	S190260833
MINAKSHEE BANSODE	S190260847
VAIBHAVI MORE	S190260880

Prof. A. A .BAGWAN

(Project Guide)

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DR.R.V.PATIL

PRINCIPAL
Principal
Pune District Education Association's
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CERTIFICATE

This is to certify that following students have successfully and satisfactorily completed and submitted their project "water level alarm System" in fulfillment of second year of degree course in computer Engineering prescribed by Savitribai Phule Pune University for academic year 2023-2024.

Sonali Rathod	S190260859
Mubeena Shaikh	S190260848
Vishnu Shinde	S190260883
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Pune - 412307.

Pune District Education Association's

COLLEGE OF ENGINEERING

Manjari (Bk), Pune-412307

<u>CERTIFICATE</u>

This is to certify that following students have successfully and satisfactorily completed and submitted their project "AUTOMATIC SOLAR TRACKING SYSTEM" in fulfillment of second yea degree course in MECHANICAL ENGINEERING prescribed by Savitribai Phule Pune University for academic year 2023-2024.

<u>Project Team</u>

Name	Roll No.
Pramod Bhongale	**S190260807**
Nikhil Bhosale	**S190260808**
Pavan Koli	**S190260842**
Vishakha Khore	**S190260843**
Yomkesh Revadkar	**S190260861**

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Department of Mechanical Engineering

College of engineering manjri BK, Pune-411 047 Savitribai Phule

Pune University

Project Based Learning-II

Report on

"GYROSCOPIC PRECESSION"

By

Nirmal Pranav	S190260849
Nielsh Bidve	S190260809
Ubale Vishal	S190260878
Nilesh Shivarkar	S190260869
Hemant Gite	S190260821
Shedge Kalyn	S190260867

Under the Guidance of

Prof. A.A.Bhagwan

CERTIFICATE

This is to certify that Mr. Nirmal Pranav,Nilesh Bidve,Vishal Ubale,Nilesh Savarker,Hemant Gite,Shedge kalyan has successfully completed the project based learning activity report entitled **"GYROSCOPIC PRECESSION"** under my supervision, in the partial fulfilment of academics of Savitribai Phule Pune University, at College of engineering manjri BK, Pune-411 047 Savitribai Phule .

Date: 11/10/2024

Place: **Pune**

Guide   **PBL Coordinator**   **HoD**

Department of Mechanical Engineer
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