

A Project Stage II Report
on
**Design and Development Of
3-Way Dumper**

By

1. Mr. Borase Amol B.
Seat No.B191130813

2. Mr. Paroji Rammana S..
Seat No.B191130845

3. Mr. Malve Dhiraj R.
Seat No.B191130836

4. Mr. Gaikwad Lokesh R.
Seat No.B191130817

Guide

Prof. Jagdale A.A.



Department of Mechanical Engineering.

Rajiv Gandhi College of Engineering

Karjule Harya, Tal. Parner, Dist. Ahmednagar 414 304

[2022-2023]

Rajiv Gandhi College of Engineering

Karjule Harya, Tal. Parner, Dist. Ahmednagar 414 304



CERTIFICATE

This is to certify that

Mr. Borase Amol B. (B191130813)

Mr. Paroji Rammana S., (B191130845)

Mr. Malve Dhiraj R. (B191130836)

Mr. Gaikwad Lokesh R. (B191130817)

has successfully completed the Project Stage II entitled “ **Design and Development of 3 – Way Dumper** ” under my supervision, in the partial fulfillment of Bachelor of Engineering- Mechanical Engineering of Savitribai Phule Pune University.

Date: 03/06/2023

Place: Karjule, Harya

Prof. Jagdale A.A.

Project Guide

Project Co-ordinator

External Examiner

Prof. Jagdale A.A.

Head of Department

HOD

Mechanical Engineering Department
R.G.C O.E., Karjule Harya



Principal

RGCOE, Karjule Harya

PRINCIPAL

Rajiv Gandhi College of Engineering
Karjule Harya, Tal. Parner, Dist. Ahmednagar

A Project Stage II Report

on

**“DESIGN AND DEVELOPMENT OF
AIR BALLOON JACK”**

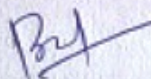
By

1. Mr. Gode Mahesh Nandu
Seat No. B191130819

2. Mr. Karande Nitin Dadasaheb
Seat No. B191130826

3. Mr. More Sidhdant Satyavijay
Seat No. B191130838

4. Mr. Waghmare Bhushan Jaysingh
Seat No. B191130867


Guided by

Prof. Kurpatwar B. P.



Department of Mechanical Engineering

Rajiv Gandhi College of Engineering

Karjule Harya, Tal. Parner, Dist. Ahmednagar 414 304.

[2022-2023]

Rajiv Gandhi College of Engineering

Karjule Harya, Tal. Parner, Dist. Ahmednagar 414 304



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Mr. Karande Nitin Dadasaheb (B191130826)


Mr. More Sidhdant Satyavijay (B191130838)

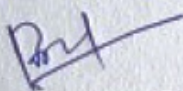
Mr. Waghmare Bhushan Jaysingh (B191130867)

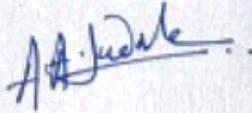
has successfully completed the Project Stage II entitled "**DESIGN AND DEVELOPMENT OF AIR BALLOON JACK**" under my supervision, in the partial fulfillment of Bachelor of Engineering- Mechanical Engineering of Savitribai Phule Pune University.


Date:

Place:


Prof. Kurpatwar B. P.
Project Guide

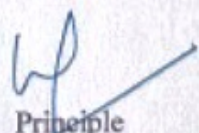

Prof. Kurpatwar B. P.
Project Co-Ordinator


External Examiner


Prof. Jagdale A. A.
Head of Department
HOD

Mechanical Engineering Department
R.G.C.O.E., Karjule Harya




Principle
RGCCE, Karjule Harya
PRINCIPAL
Rajiv Gandhi College of Engineering
Karjule Harya, Tal. Parner, Dist. Ahmednagar

A
Project Stage II Report
on
**Performance Analysis of Different
Blends of Mahua Biodiesel**

By

1. Mr. Bhogade Omkar M.
PRN No. 71752888L

2. Ms. Aswar Payal G.
PRN No. 72176994C

3. Mr. Bhojane Swapnil S.
PRN No. 72176998F

4. Mr. Bhaskar Amar S.
PRN No. 72011391B

Guide

Prof. Jagdale A.A.



Department of Mechanical Engineering

Rajiv Gandhi College of Engineering

Karjule Harya, Tal. Parner, Dist. Ahmednagar 414 304

[2022-23]

Rajiv Gandhi College of Engineering

Karjule Harya, Tal. Parner, Dist. Ahmednagar 414 304



CERTIFICATE

This is to certify that

Mr. Bhogade Omkar M. (71752888L)

Ms. Aswar Payal G. (72176994C)

Mr. Bhojane Swapnil S (72176998F)

Mr. Bhaskar Amar S. (72011391B)

has successfully completed the Project Stage II entitled "**Performance Analysis of Different Blends of Mahua Biodiesel**" under my supervision, in the partial fulfillment of Bachelor of Engineering- Mechanical Engineering of Savitribai Phule Pune University.

Date: 03/06/2022

Place: Karjule Harya.

Prof. Jagdale A.A.

Project Guide

A.A. Jagdale
External Examiner

Prof. Jagdale A.A.

Head of Department

Prof. Kurpatwar B.P.

Project co-coordinator

Principal

RGCCE, Karjule Harya.

HOD

Mechanical Engineering Department
R.G.C O.E., Karjule Harya

A Project Stage II Report
on
**MANUFACTURING AND
ANALYSIS OF CARDAN
COUPLING BY USING 3D PRINTER**
By

1. Mr. Shubham Shelke S.
PRN NO. **72177039J**

2. Mr. Mahesh Vadak D.
PRN NO **72177042J**

3. Mr. Arshad Shaikh B.
PRN NO. **72177039J**

4. Mr. Bharat Batule P.
PRN NO. **72176997H**

Guide
Prof. Gunjal S. Sir



Department of Mechanical Engineering
Rajiv Gandhi College of Engineering
Karjule Harya, Tal. Parner, Dist. Ahmednagar 414 304
[2022-2023]

Rajiv Gandhi College of Engineering

Karjule Harya, Tal. Parner, Dist. Ahmednagar 414 304



CERTIFICATE

This is to certify that

Mr. Shubham Shelke S. (72177039J) Team Leader

Mr. Mahesh Vadak D. (72177042J)

Mr. Arshad Shaikh B. (72177036D)

Mr. Batule Bharat P. (72176997H)

has successfully completed the Project Stage II entitled "Manufacturing And Analysis of Cardan Coupling by Using 3D Printer" under my supervision, in the partial fulfillment of Bachelor of Engineering- Mechanical Engineering of Savitribai Phule Pune University.

Place: Ahmednagar, Karjule Harya.
Date: - 03-06-2023

Prof. Gunjal S.

Project Guide

External Examiner

Prof. Jagdale A. A.

Head of Department

HOD

Mechanical Engineering Department

R.G. COE, Karjule Harya



Prof. Nagarkar M.

Principle

RGCOE, Karjule Harya

Principal

R G COE, Karjule Harya.

A Project Stage II Report
on
***“MANUFACTURING AND ANALYSIS
OF BALL JOINT USING 3D PRINTER”***

By

- | | |
|---|---|
| 1. Mr. AUTI GAURAV A.
Seat No. B191130807 | 2. Mr. TANTAK OMKAR V.
Seat No. B191130863 |
| 3. Mr. DHUMAL AJINKYA P.
Seat No. 191130815 | 4. Mr. PATHARE KARAN P.
Seat No. B191130846 |

Guide
Prof. PAWAR.N.V



Department of Mechanical Engineering
Rajiv Gandhi College of Engineering
Karjule Harya, Tal. Parner, Dist. Ahmednagar 414 304
[2022-2023]

Rajiv Gandhi College of Engineering

Karjule Harya, Tal. Parner, Dist. Ahmednagar 414 304




CERTIFICATE


This is to certify that

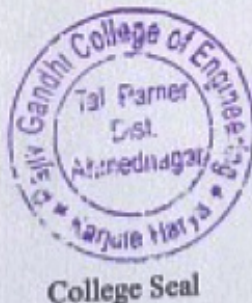
Mr. AUTI GAURAV A. (B191130807)
Mr. TANTAK OMKAR V. (B191130863)
Mr. DHUMAL AJINKYA P. (B191130815)
Mr. PATHARE KARAN D. (B191130846)

has successfully completed the Project Stage I entitled "**MANUFACTURING AND ANALYSIS OF BALL JOINT USING 3D PRINTER**" under my supervision, in the partial fulfillment of Bachelor of Engineering- Mechanical Engineering of Savitribai Phule Pune University.

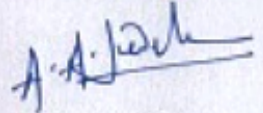
Place: Ahmednagar


Prof. Pawar N.V.
Project Guide

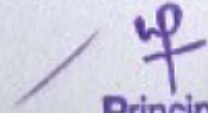

Prof. Jagdale A. A.
Head of Department



College Seal


External Examiner

Prof. Nagarkar M.
Principle
RGCOE, Karjule Harya


Principal
RG COE, Karjule Harya.

HOD
Mechanical Engineering Department
R.G.C.O.E., Karjule Harya

**A Project Report
On Advance Oil Skimmer**

By

1. Mr.Katkar Vishal R.

Seat No. B191130827

2 Mr.Khomane Ajay S.

Seat No. B191130832

3.Mr.Kirtishahi Sumedh D.

Seat No. B191130833

4.Mr.Murkute Yogesh P.

Seat No.B191130839

5.Mr.Nagawade Ghrushneshwar B.

Seat No. B191130841

Guide

Prof. Dr. K. P.Pawar



Department of Mechanical Engineering

Rajiv Gandhi College of Engineering

Karjule Harya, Tal. Parner, Dist. Ahmednagar 414 304

[2022-2023]

Rajiv Gandhi College of Engineering

Rajiv Gandhi College of Engineering

Karjule Harya, Tal. Parner, Dist. Ahmednagar 414 304



CERTIFICATE

This is to certify that

Mr. Katkar Vishal R. (Seat No.B191130827)

Mr.Khomane Ajay S. (Seat No.B191130832)

Mr. Kirtishahi Sumedh D. (Seat No.B191130833)

Mr. Murkute Yogesh P. (Seat No.B191130839)

Mr. Nagawade Ghrushneshwar B. (Seat No.B191130841)

has successfully completed the Project Stage II entitled "Advance Oil Skimmer" under my supervision, in the partial fulfillment of Bachelor of Engineering-Mechanical Engineering of Savitribai Phule Pune University.


Date:


Place:



Prof. Dr. K. P. Pawar.

Project Guide


External Examiner


Prof. Mugdale A.A.
Head of Department


Prof. Kurpatwar B.P.
Project co-coordinator


Principal
R.G.C.O.E., Karjule Harya.

HOD
Mechanical Engineering Department
R.G.C O.E., Karjule Harya

A Project Stage II Report

on

3D Printed Articulated Arm Robot

Submitted By

1. Mr. Vede Pavan V.

PRN No. 71752999B

2. Mr. Mandlik Aniket B.

PRN No. 72177017H

3. Mr. Ramphale Bhausheb K.

PRN No. 71940809B

4. Mr. Rajput Nilesh M.

PRN No. 72037204G

Guided by

Prof. Unde A. R.



Department of Mechanical Engineering

Rajiv Gandhi College of Engineering

Karjule Harya, Tal. Parner, Dist. Ahmednagar 414 304

[2022-2023]



ACCOMPLISHMENT


A number of individuals have contributed to the completion of this Project Stage II Report on "3D Printed Articulated Arm Robot". We gratefully acknowledge the contribution of each one of them.

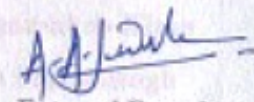
CERTIFICATE

This is to certify that **Mr. Vede Pavan Vijay**, **Mr. Mandlik Anikaet Bharat**, **Mr. Ramphale Bhausahab Kisan**, and **Mr. Rajput Nilesh Madnsingh** have worked under my guidance during the preparation of this project work, without which this project report would not have been possible. We feel pleasure in providing an opportunity to put all these students to test in their project.

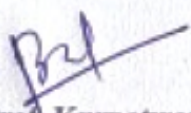
has successfully completed the Project Stage II entitled "**3D Printed Articulated Arm Robot**" under my supervision, in the partial fulfillment of Bachelor of Engineering-Mechanical Engineering of Savitribai Phule Pune University.

Date: 03/06/2023
Place: RGC OE Karjule Harya


Prof. Unde A. R.
Project Guide


External Examiner


Prof. Jagdale A.A.
Head of Department


Prof. Kurpatwar B.P.
Project co-coordinator

Principle
RGC OE, Karjule Harya

HOD
Mechanical Engineering Department
R.G.C.O.E., Karjule Harya




Principal
R G COE, Karjule Harya

A
Project Report

on

Accident Preventive Bumper

By

Mr. Aniket S. Khade
Seat No. B191130828

Mr. Vishal S. Khemnar
Seat No. B191130829

Mr. Rahul. B. Netke
Seat No. B191130842

Guide

Prof. Pawar N.V



Department of Mechanical Engineering

Rajiv Gandhi College of Engineering

Karjule Harya, Tal. Parner, Dist. Ahmednagar 414 304

[2022-23]

Rajiv Gandhi College of Engineering

Karjule Harya, Tal. Parner, Dist. Ahmednagar 414 304



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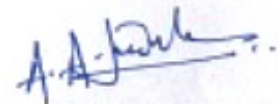
Mr. Aniket S. Khade (B191130828)

Mr. Vishal S. Khemnar (B191130829)

Mr. Rahul. B. Netke (B191130842)

has successfully completed the Project Stage II entitled "Accident Preventive Bumper" Mechanical Engineering of Savitribai Phule Pune University. Date:
Place:

Prof. Pawar N.V
Project Guide


External Examiner


Prof. Jagdale A.A.
Head of Department

HOD

Mechanical Engineering Department
R.G.C O.E., Karjule Harya

College Seal

Principal
RGCOE, Karjule Harya

A Project Stage II Report
on
**Boiler Modification with Expanded
Metal Screen**

by

1. Mr. Shivam Sharma.

PRN No. 72177037B

2. Ms. Gayatri Gawade.

PRN No. 72177003H

3. Mr. Ashutosh Agarkar.

PRN No. 72037188M

4. Mr. Pavankumar Dhas.

PRN No. 72177000C

Guided by

Prof. Jagdale. A. A.



Department of Mechanical Engineering

Rajiv Gandhi College of Engineering

Karjule Harya, Tal. Parner, Dist. Ahmednagar 414 304

[2022-2023]

Rajiv Gandhi College of Engineering

Karjule Harya, Tal. Parner, Dist. Ahmednagar 414 304



CERTIFICATE

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Mr. Ashutosh Agarkar. (72037188M)

Mr. Pavankumar Dhas. (72177000C)

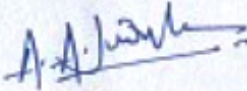
Has successfully completed the Project Stage II entitled "**Boiler Modification With Expanded Metal Screen**" under my supervision, in the partial fulfillment of Bachelor of Engineering- Mechanical Engineering of Savitribai Phule Pune University.

Date: 03/06/2023

Place: RGC OE


Prof. Jagdale. A. A.
Project Guide

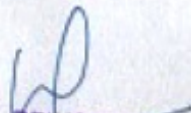

Project Co-ordinator


External Examiner


Head of Department
HOD

Mechanical Engineering Department
R.G.C O.E., Karjule Harya




PRINCIPAL
Rajiv Gandhi College of Engineering
Karjule Harya, Tal. Parner, Dist. A. Nagar

A Project Stage II Report
on
Solar Operated Automatic Fish Feeder

By

1. Mr.Aher Tushar Anil

PRN No. 72176991J

2. Mr.Khirkade Tushar Mohan

PRN No.72177013E

3. Mr. Rajput Suraj Premsingh

PRN No. 72177030E

4. Mr. Patil Bhushan Dilip

PRN No. 72177026G

Guide

Prof. Kurpatwar B.P



Department of Mechanical Engineering

Rajiv Gandhi College of Engineering

Karjule Harya, Tal. Parner, Dist. Ahmednagar 414 304

[2022-2023]

Rajiv Gandhi College of Engineering

Karjule Harya, Tal. Parner, Dist. Ahmednagar 414 304



CERTIFICATE

This is to certify that

Mr. Aber Tushar Anil

Mr. Khirkade Tushar Mohan

Mr. Rajput Suraj Preme Singh

Mr. Patil Bhushan Dilip

has successfully completed the Project Stage II entitled "Solar operated Fish Feeder" under my supervision, in the partial fulfillment of Bachelor of Engineering-Mechanical Engineering of Savitribai Phule Pune University.

Date: 03/06/2023

Place: Karjule Haryana


Prof. Kurpatwar B.P.

Project Guide

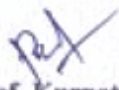

External Examiner


Prof. Jagdale.A.A.

Head Of Department

HOD

Mechanical Engineering Department
R.G.C.O.E., Karjule Haryana


Prof. Kurpatwar.

Project Co-ordinator


Principle

RGCOE, Karjule Haryana

PRINCIPAL

Rajiv Gandhi College of Engineering
Karjule Haryana, Tal. Pamer, Dist. A.Nagar



A Project Stage II Report
on
**Design and Manufacturing of Combination Pedal for
Accelerator & Brake**
By

1. Mr. Akhande Akash P.

Seat No. B191130805

2. Mr. Ingle Sanket S.

Seat No. B191130821

3. Mr. Patil Hemant S.

Seat No. B191130848

4. Mr. Lokhande Akash S.

Seat No. B191130835

Guide

Dr. Pawar K.P



Department of Mechanical Engineering
Rajiv Gandhi College of Engineering
Karjule Harya, Tal. Parner, Dist. Ahmednagar 414 304
[2022-2023]

Rajiv Gandhi College of Engineering

Karjule Harya, Tal. Parner, Dist. Ahmednagar 414 304



CERTIFICATE

This is to certify that

Mr. Akhande Akash P. (B191130805)

Mr. Ingle Sanket S. (B191130821)

Mr. Patil Hemant S. (B191130848)

Mr. Lokhande Akash S. (B191130835)

has successfully completed the Project Stage II entitled "Design and Manufacturing of Combination Pedal for Accelerator & Brake" under my supervision, in the partial fulfillment of Bachelor of Engineering- Mechanical Engineering of Savitribai Phule Pune University.

Date: 08/06/2028

Place: Karjule Harya

Dr. Pawar K.P.

Project Guide

Prof. Jagdale A.A.

Head of Department



Prof. Kurpatwar B.P.

Project co-coordinator

External Examiner

RGCOE, Karjule Harya

Principal

R G COE, Karjule Harya.

HOD

**Mechanical Engineering Department
R.G.C O.E., Karjule Harya**

A Project Stage II Report
On
Design And Development Of Chairless Chair.
By

1. Sharad Vasant Pawar
Seat No. B191130850

2. Mr.Shubham Rajendra
Dhumal
Seat No. B191130816

3. Mr. Sagar Kailas Ajabe
Seat No. B191130804

4. Mr. Siddharth B. Nile
Seat No. B191130843

Guide
Prof. S.B.Gunjaj



Department of Mechanical Engineering
Rajiv Gandhi College of Engineering
Karjule Harya, Tal. Parner, Dist. Ahmednagar 414 304
[2022-2023]

Rajiv Gandhi College of Engineering
Karjule Harya, Tal. Parner, Dist. Ahmednagar 414 304



CERTIFICATE

This is to certify that

Mr. Sharad Vasant Pawar,

Mr. Shubham Rajendra Dhumal,

Mr. Sagar Kailas Ajabe,

Mr. Siddharth Bhausaheb Nile.

has successfully completed the Project Stage II entitled "Design And Development Of Chairless Chair" under my supervision, in the partial fulfillment of Bachelor of Engineering- Mechanical Engineering of Savitribai Phule Pune University.

Date: 03/06/2023

Place: - RGCOE, Karjule Harya.

Prof. S.B. Gunjal

Project Guide

External Examiner



Prof. Jagdale A.A.

Head of Department

HOD

Mechanical Engineering Department

R.G.C.O.E., Karjule Harya

Prof. Kurpatwar B.P.

Project co-coordinator

Prof. Nagarkar.M.P

Principle

RGCOE, Karjule Harya

PRINCIPAL

Rajiv Gandhi College of Engineering
Karjule Harya, Tal. Parner, Dist. Ahmednagar

A Project Stage II Report
on
**MANUFACTURING AND
ANALYSIS OF SPUR GEAR
USING 3D PRINTER**

By

1. Mr. Shekade Tejas A.

PRN No. **72177038L**

2. Mr. Nagarkar Chinmay S.

PRN No. **72177021F**

3. Mr. Khese Ajit D.

PRN No. **72177012G**

Guide

Prof. Jagdale A A.



Department of Mechanical Engineering

Rajiv Gandhi College of Engineering

Karjule Harya, Tal. Parner, Dist. Ahmednagar 414 304

[2022-2023]

Rajiv Gandhi College of Engineering

Karjule Harya, Tal. Parner, Dist. Ahmednagar 414 304



CERTIFICATE

This is to certify that

Mr. Shekade Tejas A. (72177038L)

Mr. Nagarkar Chinmay S. (72177021F)

Mr. Khese Ajit D. (72177012G)

has successfully completed the Project Stage I entitled "manufacturing and analysis of spur gear using 3d printer" under my supervision, in the partial fulfillment of Bachelor of Engineering- Mechanical Engineering of Savitribai Phule Pune University.

Date: 04-06-2023

Place: Karjule Harya

Prof. Jagdale A. A.

Project Guide

Prof. Jagdale A. A.

Head of Department

HOD

Mechanical Engineering Department
R.G.C.O.E., Karjule Harya



External Examiner

Dr. M.P. Nagarkar

Principal

RGCOE, Karjule Harya

Principal
RG COE, Karjule Harya.

A Project Stage II Report

on

Bladeless Wind Mill

By

1. Mr. More Vishal H.

2. Mr. Sarode Rahul D.

Seat No. **B191130801**

Seat No. **B191130856**

3. Mr. Patil Vaibhav S.

Seat No. **B191130849**

Guide

Prof. Gunjal S. B.



Department of Mechanical Engineering

Rajiv Gandhi College of Engineering

Karjule Harya, Tal. Parner, Dist. Ahmednagar 414 304

[2022-2023]

Dr. Nagarajan M.P.

Principal

RGCOS, Karjule Harya

PRINCIPAL

Rajiv Gandhi College of Engineering

Karjule Harya, Tal. Parner, Dist. Ahmednagar



Rajiv Gandhi College of Engineering

Karjule Harya, Tal. Parner, Dist. Ahmednagar 414 304

CERTIFICATE

This is to certify that

Mr. Sarode Rahul D. (B191130856)

Mr. More Vishal H. (B191130801)

Mr. Patil Vaibhav S. (B191130849)

has successfully completed the Project Stage I entitled "Bladeless Wind Mill" under my supervision, in the partial fulfillment of Bachelor of Engineering- Mechanical Engineering of Savitribai Phule Pune University.

Date: 03-06-23

Place: RGCOE

Prof. Gunjal S.B.
Project Guide

Prof. Kurpatwar B.P.
Project co-coordinator

External Examiner

Prof. Jagdale A.A.
Head of Department

HOD

Mechanical Engineering Department
R.G.C O.E., Karjule Harya



College Seal

Dr. Nagarkar M.P.
Principle

RGCOE, Karjule Harya

PRINCIPAL

Rajiv Gandhi College of Engineering
Karjule Harya, Tal. Parner, Dist. A.Naga

A
Project Report
on

Tribological Performance of Jatropha Instead of Synthetic Oils Using Journal Bearing Tester

By

Mr. Vikram R. Shevante
Seat No. B191130861

Mr. Swapnil D. Thube,
Seat No. B191130864

Mr. Jagdish D. Sanap
Seat No. B191130855

Mr. Himanshu K. Kshirsagar
Seat No. B191130834

Guide

Prof. Pawar N.V



Department of Mechanical Engineering

Rajiv Gandhi College of Engineering

Karjule Harya, Tal. Parner, Dist. Ahmednagar 414 304

[2022-23]

Rajiv Gandhi College of Engineering

Karjule Harya, Tal. Parner, Dist. Ahmednagar 414 304



CERTIFICATE

This is to certify that

Mr. Vikram R. Shevante (B191130861)
Mr. Swapnil D. Thube (B191130864)
Mr. Jagdish D. Sanap (B191130855)
Mr. Himanshu K. Kshirsagar (B191130834)

has successfully completed the Project Stage II entitled "Tribological Performance of Jatropha Instead of Synthetic Oils Using Journal Bearing Tester" Mechanical Engineering of Savitribai Phule Pune University.

Date: 08/06/2023

Place: RGCOE

Prof. Pawar N.V

Project Guide

Prof. Jagdale A.A.

Head of Department

HOD
Mechanical Engineering Department
R.G.C.O.E., Karjule Harya



External Examiner

Principal

RGCOE, Karjule Harya

PRINCIPAL

Rajiv Gandhi College of Engineering
Karjule Harya, Tal. Parner, Dist. A. Nagar

A Project Report

on

Development of 360° Rotating Robotic Vehicle Mechanism for Space Research Application.

By

Mr. Jadhav Nilesh R.

PRN No. 71940778J

Mr. Hingmire Anand B.

PRN No. 71940776B

Mr. Badgujar Umesh S.

PRN No. 72176996K

Mr. Kadam Someshwar D.

PRN No. 72177008J

Guided by

Dr. K. P. Pawar



Department of Mechanical Engineering

Rajiv Gandhi College of Engineering

Karjule Harya, Tal. Parner, Dist. Ahmednagar 414 304

[2022-2023]

Rajiv Gandhi College of Engineering

Karjule Harya, Tal. Parner, Dist. Ahmednagar 414 304



CERTIFICATE

This is to certify that

Mr. Jadhav Nilesh R. (PRN No. 71940778J)

Mr. Hingmire Anand B. (PRN No. 71940776B)

Mr. Badgajar Umesh S. (PRN No. 72176996K)

Mr. Kadam Someshwar D. (PRN No. 72177008J)

Has successfully completion of this project report entitled "*Development Of 360° Rotating Robotic Vehicle Mechanism For Space Research Application*" under my supervision, in the partial fulfillment of Bachelor of Engineering- Mechanical Engineering of Savitribai Phule Pune University.

Date:

Place:

Prof. Dr. K. P. Pawar.

Project Guide

External Examiner

Prof. A.A. Jagdale

Head of Department

HOD

Mechanical Engineering Department
R.G.C.O.E., Karjule Harya



Principal

R.G.C.O.E., Karjule Harya

A
Project Report
on
**Design and Fabrication of Adaptive Headlight with
Fog Detection & Prevention**

By

Mr. Jadhav Mahesh B.
Seat No. B191130823

Mr. Singh Nimesh S.
Seat No. B191130862

Mr. Padwal Gaurav S.
Seat No. B191130844

Mr. Isaac Rutik N.
Seat No. B191130822

Guide
Prof. Pawar N.V.



Department of Mechanical Engineering
Rajiv Gandhi College of Engineering
Karjule Harya, Tal. Parner, Dist. Ahmednagar 414 304
[2022-2023]

Rajiv Gandhi College of Engineering

Karjule Harya, Tal. Parner, Dist. Ahmednagar 414 304



CERTIFICATE

This is to certify that

Mr. Jadhav Mahesh B. (B191130823)

Mr. Singh Nimesh S. (B191130862)

Mr. Padwal Gaurav S. (B191130844)

Mr. Issae Rutik N. (B191130822)

has successfully completed the Project Stage II entitled "Design and Fabrication of Adaptive Headlight with Fog Detection & Prevention" under my supervision, in the partial fulfillment of Bachelor of Engineering- Mechanical Engineering of Savitribai Phule Pune University.

Date: 04/06/2023

Place: Karjule Harya.

Prof. Pawar N.V.

Project Guide

Prof. Jagdale A.A.

Head of Department

HOD

Mechanical Engineering Department
R.G.C O.E., Karjule Harya



College Seal

External Examiner

Principle

RGCOE, Karjule Harya

PRINCIPAL

Rajiv Gandhi College of Engineering
Karjule Harya, Tal. Parner, Dist. Ahmednagar

A Project Stage II Report
on
**MANUFACTURING AND
ANALYSIS OF SPUR GEAR
USING 3D PRINTER**

By

1. Mr. Shekade Tejas A.

PRN No. **72177038L**

2. Mr. Nagarkar Chinmay S.

PRN No. **72177021F**

3. Mr. Khese Ajit D.

PRN No. **72177012G**

Guide

Prof. Jagdale A A.



Department of Mechanical Engineering
Rajiv Gandhi College of Engineering
Karjule Harya, Tal. Parner, Dist. Ahmednagar 414 304
[2022-2023]

Rajiv Gandhi College of Engineering

Karjule Harya, Tal. Parner, Dist. Ahmednagar 414 304



CERTIFICATE

This is to certify that

Mr. Shekade Tejas A. (72177038L)

Mr. Nagarkar Chinmay S. (72177021F)

Mr. Khese Ajit D. (72177012G)

has successfully completed the Project Stage I entitled "manufacturing and analysis of spur gear using 3d printer" under my supervision, in the partial fulfillment of Bachelor of Engineering- Mechanical Engineering of Savitribai Phule Pune University.

Date: 04-06-2023

Place: Karjule Harya

Prof. Jagdale A A.

Project Guide

Prof. Jagdale A A.

Head of Department

HOD

Mechanical Engineering Department
R.G.C O.E., Karjule Harya



External Examiner

Dr. M. P. Nagarkar

Principal

RGCOE, karjule harya

Principal
RGCOE, Karjule Harya.

A Project Stage II Report
on
**MANUFACTURING AND
ANALYSIS OF CARDAN
COUPLING BY USING 3D PRINTER**

By

1. Mr. Shubham Shelke S.
PRN NO. **72177039J**

2. Mr. Mahesh Vadak D.
PRN NO **72177042J**

3. Mr. Arshad Shaikh B.
PRN NO. **72177039J**

4. Mr. Bharat Batule P.
PRN NO. **72176997H**

Guide
Prof. Gunjal S. Sir



Department of Mechanical Engineering
Rajiv Gandhi College of Engineering
Karjule Harya, Tal. Parner, Dist. Ahmednagar 414 304
[2022-2023]

Rajiv Gandhi College of Engineering

Karjule Harya, Tal. Parner, Dist. Ahmednagar 414 304



CERTIFICATE

This is to certify that

Mr. Shubham Shelke S. (72177039J) Team Leader

Mr. Mahesh Vadak D. (72177042J)

Mr. Arshad Shaikh B. (72177036D)

Mr. Batule Bharat P. (72176997H)

has successfully completed the Project Stage I entitled "Manufacturing And Analysis of Cardan Coupling by Using 3D Printer" under my supervision, in the partial fulfillment of Bachelor of Engineering- Mechanical Engineering of Savitribai Phule Pune University.

Place: Ahmednagar

Prof. Gunjal S.

Project Guide


External Examiner


Prof. Jagdale A. A.

Head of Department

HOD

Mechanical Engineering Department
R.G.C O.E., Karjule Harya




College Seal

Prof. Nagarkar M.

Principle

RGCOE, Karjule Harya


Principal
R G COE, Karjule Harya.

**A Project Report
On Advance Oil Skimmer**

By

1. Mr.Katkar Vishal R.

Seat No. B191130827

2 Mr.Khomane Ajay S.

Seat No. B191130832

3.Mr.Kirtishahi Sumedh D.

Seat No. B191130833

4.Mr.Murkute Yogesh P.

Seat No.B191130839

5.Mr.Nagawade Ghrushneshwar B.

Seat No. B191130841

Guide

Prof. Dr. K. P.Pawar



Department of Mechanical Engineering

Rajiv Gandhi College of Engineering

Karjule Harya, Tal. Parner, Dist. Ahmednagar 414 304

[2022-2023]

Rajiv Gandhi College of Engineering

Rajiv Gandhi College of Engineering

Karjule Harya, Tal. Parner, Dist. Ahmednagar 414 304



CERTIFICATE

This is to certify that

Mr. Katkar Vishal R. (Seat No.B191130827)

Mr.Khomane Ajay S. (Seat No.B191130832)

Mr. Kirtishahi Sumedh D. (Seat No.B191130833)

Mr. Murkute Yogesh P. (Seat No.B191130839)

Mr. Nagawade Ghrushneshwar B. (Seat No.B191130841)

has successfully completed the Project Stage II entitled "Advance Oil Skimmer" under my supervision, in the partial fulfillment of Bachelor of Engineering-Mechanical Engineering of Savitribai Phule Pune University.

Date:

Place:

Prof. Dr. K. P. Pawar.

Project Guide

External Examiner

Prof. Jagdale A.A.

Head of Department

HOD

Mechanical Engineering Department
R.G.C.O.E., Karjule Harya - 1

Prof. Kurpatwar B.P.

Project co-coordinator

Principle
Principal
R.G.C.O.E., Karjule Harya

A Project Stage II Report
on
***“MANUFACTURING AND ANALYSIS
OF BALL JOINT USING 3D PRINTER”***

By

- | | |
|---|---|
| 1. Mr. AUTI GAURAV A.
Seat No. B191130807 | 2. Mr. TANTAK OMKAR V.
Seat No. B191130863 |
| 3. Mr. DHUMAL AJINKYA P.
Seat No. 191130815 | 4. Mr. PATHARE KARAN P.
Seat No. B191130846 |

Guide
Prof. PAWAR.N.V



Department of Mechanical Engineering
Rajiv Gandhi College of Engineering
Karjule Harya, Tal. Parner, Dist. Ahmednagar 414 304
[2022-2023]

Rajiv Gandhi College of Engineering

Karjule Harya, Tal. Parner, Dist. Ahmednagar 414 304



CERTIFICATE

This is to certify that

Mr. AUTI GAURAV A. (B191130807)

Mr. TANTAK OMKAR V. (B191130863)

Mr. DHUMAL AJINKYA P. (B191130815)

Mr. PATHARE KARAN D. (B191130846)

has successfully completed the Project Stage I entitled "*MANUFACTURING AND ANALYSIS OF BALL JOINT USING 3D PRINTER*" under my supervision, in the partial fulfillment of Bachelor of Engineering- Mechanical Engineering of Savitribai Phule Pune University.

Place: Ahmednagar

Prof. Pawar N.V.
Project Guide

Prof. Jagdale A. A.
Head of Department



College Seal

External Examiner

Prof. Nagarkar M.
Principle
RGCOE, Karjule Harya

Principal
R G COE, Karjule Harya.

॥ श्री स्वामी समर्थ ॥



RAVINDRA ENGINEERING

EN ISO 9001:2015 Certified Company

Manufacture & Supply Of Precision Machined Metal Components

Plot No.: M-16, M.I.D.C. Area Waluj Chhatrapati Sambhajinagar-431 136

Ph. (0240) 2564870; Mob. 9822953455, 7887463741 E mail: ravindra.engineering@yahoo.com

GSTIN:27AKBPP7643P12G



Ref.:

Date:
01/02/2023

TO WHOMSOEVER IT MAY CONCERN

It is to certify that Vijay R Kolhe has successfully completed her internship at Ravindra Engineering from 1st December 2022 to 12th January 2023.

He has good technical knowledge and has used it in making the processes more efficient. Her behaviour was good during the period and we wish her all the best for her future.



Ravindra Engineering

॥ श्री स्वामी समर्थ ॥



RAVINDRA ENGINEERING

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GSTIN:27AKBPP7643P12G



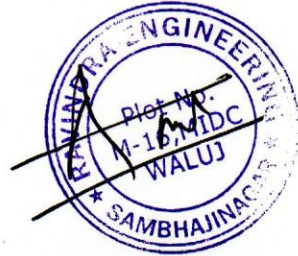
Ref.:

Date:
01/02/2023

TO WHOMSOEVER IT MAY CONCERN

It is to certify that Sanket Labade has successfully completed her internship at Ravindra Engineering from 1st December 2022 to 12th January 2023.

He has good technical knowledge and has used it in making the processes more efficient. Her behaviour was good during the period and we wish her all the best for her future.



Ravindra Engineering

Date:- 5th January

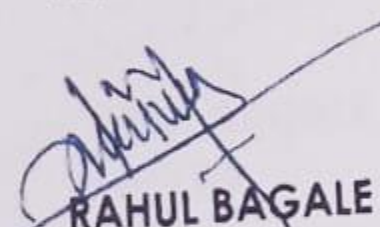
CERTIFICATE

This is to certify that **MR. Pandit Aditya Kailas** student of TE M
Engineering From Rajiv Gandhi college of engineering, Karjul Ha
Successfully completed his internship in our transmission Quality depart
from 3 December 2022 to 2 January 2003.

During the above period we found him sincere and hardworking.

We wish him all the best in his of future endeavors

For **FORCE MOTORS LIMITED**


RAHUL BAGALE
Head HR



Date:- 5th Jan


CERTIFICATE

This is to certify that **MR. Meher Pratik Ashok** student of TE Engineering From Rajiv Gandhi college of engineering, Karjul Successfully completed his internship in our transmission Quality de from 3 December 2022 to 2 January 2003.

During the above period we found him sincere and hardworking.

We wish him all the best in his of future endeavors

For **FORCE MOTORS LIMITED**


RAHUL BAGALE
Head HR



Date:- 5th Jan

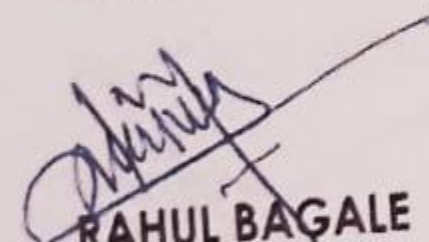
CERTIFICATE

This is to certify that **MR. Ghodake Pranav Satish** student of T
Engineering From Rajiv Gandhi college of engineering, Karju
Successfully completed his internship in our transmission Quality de
from 3 December 2022 to 2 January 2003.

During the above period we found him sincere and hardworking.

We wish him all the best in his of future endeavors

For **FORCE MOTORS LIMITED**


RAHUL BAGALE
Head HR



Date:- 5th J

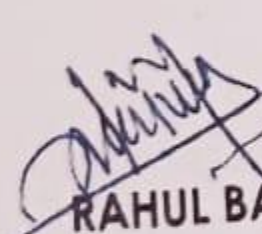
CERTIFICATE

This is to certify that **MR. Sonawane Satish Sarad** student of Engineering From Rajiv Gandhi college of engineering, Kar. Successfully completed his internship in our transmission Quality from 3 December 2022 to 2 January 2003.

During the above period we found him sincere and hardworking.

We wish him all the best in his of future endeavors

For **FORCE MOTORS LIMITED**


RAHUL BAGALE
Head HR



Date:- 5th Janu

CERTIFICATE

This is to certify that **MR. Dhogade Prasad Bapusaheb** student of TE
Engineering From Rajiv Gandhi college of engineering, Karjul
Successfully completed his internship in our transmission Quality dep
from 3 December 2022 to 2 January 2003.

During the above period we found him sincere and hardworking.

We wish him all the best in his of future endeavors

For FORCE MOTORS LIMITED


MAHIL BAGALE



॥ श्री स्वामी समर्थ ॥



RAVINDRA ENGINEERING



EN ISO 9001:2015 Certified Company

Manufacture & Supply Of Precision Machined Metal Components

Plot No.: M-16, M.I.D.C. Area Waluj Chhatrapati Sambhajinagar-431 136

Ph. (0240) 2564870; Mob. 9822953455, 7887463741 E mail: ravindra.engineering@yahoo.com

GSTIN:27AKBPP7643P12G

Ref.:

Date:
01/02/2023

TO WHOMSOEVER IT MAY CONCERN

It is to certify that Santosh M.Malve has successfully completed her internship at Ravindra Engineering from 1st December 2022 to 12th January 2023.

He has good technical knowledge and has used it in making the processes more efficient. Her behaviour was good during the period and we wish her all the best for her future.



Ravindra Engineering

॥ श्री स्वामी समर्थ ॥



RAVINDRA ENGINEERING

T
AU

EN ISO 9001:2015 Certified Company

Manufacture & Supply Of Precision Machined Metal Components

Plot No. : M-16, M.I.D.C. Area Waluj Chhatrapati Sambhajnagar - 431 136

Ph. (0240) 2564870, Mob. 9822953455, 7887463741 E mail : ravindra.engineering@yahoo.co

GSTIN : 27AKBPP7643P1ZG

Ref. :

Date. :

TO WHOMSOEVER IT MAY CONCERN

It is to certify that Pratik Dangade has successfully completed her internship at Ravindra Engineering from 1 December 2022 to 12th January 2023. He has good technical knowledge and has used it in making the processes more efficient. Her behaviour was good during the period and we wish her all the best future.



With Confidence

LEELA TRADERS

Near to the Maharashtra Book Depo, Kopargaon, Ahr

Proprietor: Amol B Adhav

Contact No : 9850019

Internship Certificate

Date: 18-01-2023

TO WHOM IT MAY CONCERN

This is to certify that **Mr. VISHAL NAVNATH GHUSALE** has successfully completed an internship with **LEELA TRADERS** as an intern in the production department from 20/12/2022 to 18/01/2023.

During the internship, he had gained several learning such as Attention Learning, Critical Thinking, Machine Maintenance, Self Motivation, Communication, Teamwork, and Leadership.

Besides showing high comprehension capacity, managing, assignment with the utmost expertise and exhibiting maximal efficiency, he has also maintain an outstanding professional demeanour and showcased excellent moral character throughout the internship

I hereby certify his overall work as good to the best of my knowledge.

For,
Area Manager.

लिला ट्रेडर्स



TK INDUSTRIES

**MFG OF: Plastic Moulds, Press Tools, Die Casting Dies,
Jigs & Fixture & All Types of VMC Job Works**

Shivneri Premises ,Plot No. 94/5, Sec. No. 10,PCNTDA, Bhosari,
Dist-Pune.

E-mail: tkindustries16@gmail.com Ph: 9860011671

TO WHOMSOEVER IT MAY CONCERN

It is to certify that **Prakash Nanaso Gaikwad** from **Rajiv Gandhi College of Engineering** has successfully completed his internship at **TK INDUSTRIES** .

The duration of training has been from 1st December 2022 to 12th January 2023 .

He has good technical knowledge and has used it in making the processes more efficient. Her behaviour was good during the period and we wish her all the best for her future.



TK INDUSTRIES



TK INDUSTRIES

*MFG OF: Plastic Moulds, Press Tools, Die Casting Dies,
Jigs & Fixture & All Types of VMC Job Works*

Shivneri Premises ,Plot No. 94/5, Sec. No. 10,PCNTDA, Bhosari,
Dist-Pune.

E-mail: tkindustries16@gmail.com Ph: 9860011671

TO WHOMSOEVER IT MAY CONCERN

It is to certify that **Kiran Dnyaneshwar Kumatkar** from **Rajiv Gandhi College of Engineering** has successfully completed his internship at **TK INDUSTRIES** .

The duration of training has been from 1st December 2022 to 12th January 2023 .

He has good technical knowledge and has used it in making the processes more efficient. Her behaviour was good during the period and we wish her all the best for her future.



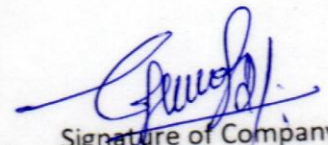
TK INDUSTRIES



To whom it may concern,

This certification proves that **Vaibhav Bhagwan Shilawat** has completed the internship program at Flash Viven Machining Technologies Pvt Ltd as a Production Department started joining the program from 1 Dec 2022 until 12 Jan 2023. During his stay in the company as an Intern, he displays enthusiasm, leadership, self-discipline, and self-motivation. We are lucky to have him as one of our interns before and we would like to wish him all the best.

Sincerely,


Signature of Company
Internship Supervisor with
Company Stamp





PRECISION INSTRUMENTATION AND SERVICES PVT. LTD.

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21, Shreoram Bhavan F-9, Shreeramkunj, Taki Road, Dwarka, Nashik- 422 011 Tel 0253 - 6348100

M. 09863495124 • Web site : www.pisnashik.com • E-mail: customercare@pisnashik.com

To Whom It May Concerned

This is to certify that Mr. Bhakare Atul santosh , A Student of "Rajiv Gandhi College of Engineering, Karjule Harya Ahmednagar". He has successfully completed his internship at Precision Instrumentation and Services Pvt. Ltd. Nashik from 12.02 2023 to 12.03.2023.

During Above period, he was placed at site of Sun Pharmaceuticals Ahmednagar as Intern calibration Engineer.

His time with us, we found him as hardworking person with excellent communication, Leadership and Management Skills, he himself as an exceptional team worker throughout his job and he is very discipline and professional with his job.

We wish him good life and best opportunities for employment.



Signature with Stamp



Wingstair Elevators Pvt.Ltd.

An ISO 9000:20015 OHSAS 18001:2007 Certified Company

Gate No. 53/A, Plot No. 12/A, Bhagyalakshmi Industrial Estate, Behind Bharti Vidyapith School,
Shindewadi, Tal-Bhor, Dist-Pune.

Ph.:- +917378786305 E-mail:- sales@wingstairelevators.com, info@wingstairelevators.com,



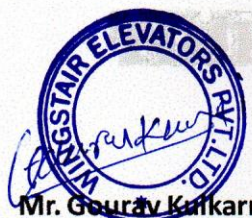
INDUSTRIAL TRAINING CERTIFICATE

This is certify that, **Mr. Aditya Kailas Mandage** form **Rajiv Gandhi College of Engineering Karjule Harya,Ahmednagar** has successfully completed her In Plant Training at **WINGSTAIR ELEVATORS Pvt.Ltd**

The duration of the training has been from **01st December** to **05th January**

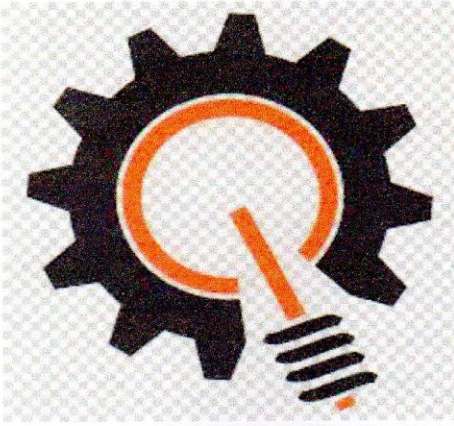
We wish her all the success in her future endeavours.

For **WINGSTAIR ELEVATORS Pvt. Ltd.**



Mr. Gourav Kulkarni

(Manager)



**P.C
Engineering Works**

Monday, January 16th, 2023

SUB: INTERNSHIP COMPLETION LETTER

We are glad to inform that Mr. Yuvraj Harale , has successfully completed his internship from 15th December 2022 to 15th January 2023.

He has good technical knowledge and has used it in making the process More efficient. His behavior was good during the period and we wish Her all the best for future.

Authorised signatory

Mr.Ganesh Sahani

P.C Engineering Works

L-253,M.I.D.C, Industrial Area

Ahmednagar-414111.

**P.C..Engineering Works
L-253, M.I.D.C. A'Nagar**



**P.C
Engineering Works**

Monday, January 16th, 2023

SUB: INTERNSHIP COMPLETION LETTER

We are glad to inform that Mr. Apurv Satpute, has successfully completed his internship from 15th December 2022 to 15th January 2023.

He has good technical knowledge and has used it in making the process more efficient. His behavior was good during the period and we wish him all the best for the future.

Authorised signatory

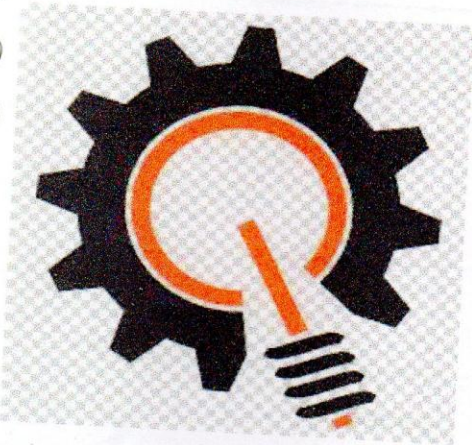
Mr. Ganesh Sahani

P.C Engineering Works

L-253, M.I.D.C, Industrial Area

Ahmednagar-414111.

P.C..Engineering Works
L-253, M.I.D.C. A'Nagar



**P.C
Engineering Works**

Monday, January 16th, 2023

SUB: INTERNSHIP COMPLETION LETTER

We are glad to inform that Mr. Jitesh Salvi, has successfully completed his internship from 15th December 2022 to 15th January 2023.

He has good technical knowledge and has used it in making the process more efficient. His behavior was good during the period and we wish Her all the best for future.

Authorised signatory

Mr. Ganesh Sahani

P.C Engineering Works

L-253, M.I.D.C, Industrial Area

Ahmednagar-414111.

**P.C..Engineering Works
L-253, M.I.D.C. A'Nagar**



CERTIFICATE

This is to certify that **Mr. MANGESH MAHADEV DHUMAL**,
student from **RAJIV GANDHI COLLEGE OF ENGINEERING & POLYTECHNIC**

Studying in Third Year of Mechanical Engineering has successfully completed the
in plant training internship in our Organization from 15th December 2022 to 15th
January 2023. During his internship period in Organization, we found him hard
working, sincere and diligent person and his behavior and conduct was good. We
wish him all the best for the future endeavors.



Mr. Rahul Jadhav

SR. Manager-HR,

Finolex j power systems Limited. . .



CERTIFICATE

This is to certify that **Mr. AMARDIP GOVIND GAIKWAD**, student
from **RAJIV GANDHI COLLEGE OF ENGINEERING & POLYTECHNIC**

Studying in Third Year of Mechanical Engineering has successfully completed the
in plant training internship in our Organization from 15th December 2022 to 15th
January 2023. During his internship period in Organization, we found him hard
working, sincere and diligent person and his behavior and conduct was good. We
wish him all the best for the future endeavors.



Mr. Rahul Jadhav

SR. Manager-HR, Finolex j power systems
limited. .



SUNDARAM
SPRINGS 'N' FASTNERS

DEALS IN : ALL TYPES OF SPRINGS & SCREWS,
WITH TOOL ROOM



Date:- 01/01/2023

CERTIFICATE OF TRAINING

THIS IS TO CERTIFY THAT **MR. ROHIT LAXMAN SALUNKE** A STUDENT OF
MECHANICAL DEPARTMENT (**RAJIV GANDHI COLLEGE OF
ENGINEERING, AHMADH NAGAR**) HAS SUCCESSFULLY COMPLETED 04 WEEKS
(FROM 01/12/2022 TO 29/12/2022) LONG TRAINING PROGRAM AT,

M/S SUNDARAM SPRINGS 'N' FASTNERS ., NASHIK

DURING THE PERIOD OF TRAINING, HE WAS FOUND
HARDWORKING, PUNCTUAL, PATTENTIVE WITH GOOD BEHAVIOUR.

FOR,

SUNDARAM SPRINGS 'N' FASTNERS

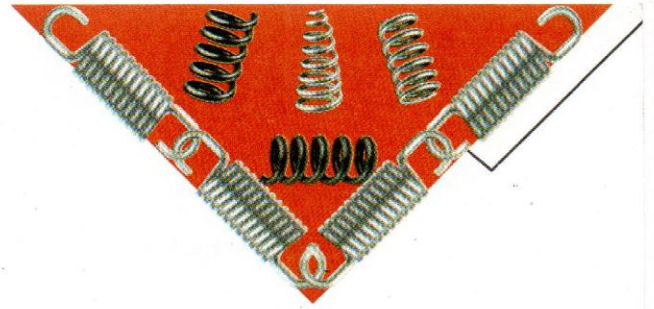
Authorised Signature





SUNDARAM
SPRINGS 'N' FASTNERS

DEALS IN : ALL TYPES OF SPRINGS & SCREWS,
WITH TOOL ROOM



Date:- 01/01/2023

CERTIFICATE OF TRAINING

THIS IS TO CERTIFY THAT **MR. ANIKET NARHAR BHADANEA** STUDENT OF MECHANICAL DEPARTMENT (**RAJIV GANDHI COLLEGE OF ENGINEERING, AHMADH NAGAR**) HAS SUCCESSFULLY COMPLETED 04 WEEKS (FROM 01/12/2022 TO 29/12/2022) LONG TRAINING PROGRAM AT,

M/S SUNDARAM SPRINGS 'N' FASTNERS ., NASHIK

DURING THE PERIOD OF TRAINING, HE WAS FOUND HARDWORKING, PUNCTUAL, PATTENTIVE WITH GOOD BEHAVIOUR.

FOR,

SUNDARAM SPRINGS 'N' FASTNERS

Authorised Signature





!! श्री स्वामी समर्थ !!

RAVINDRA ENGINEERING

EN ISO 9001:2015 Certified Company

Manufactured & Supply Of Precision Machined Metal Components

Plot No. : M-16, M.I.D.C. Area Waluj Chhatrapati Sambhajanagar – 431136

Ph. (0240) 2564870; Mob. 9822953455, 7887463741 E mail : ravindra.engineering@yahoo.com

GSTIN: 27AKBPP7643P12G



Ref :

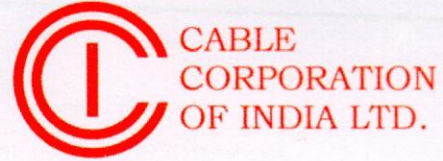
Date:01/02/2023

TO WHOMSOEVER IT MAY CONCERN

It is to certify that Prajwal Balaji Mare has successfully completed his internship at Ravindra Engineering from 1st December 2022 to 12th January 2023.

He has good technical knowledge and has used it in making the processes more efficient. Her behaviour was during the period and we wish him all the best for future.





CABLE
CORPORATION
OF INDIA LTD.

Bringing Power to the People

Monday, January 16th, 2023

SUB: INTERNSHIP COMPLETION LETTER

We are glad to inform that Mr. Yogesh Bapurao Shimpi, has successfully completed his internship from 15th December 2022 to 15th January 2023.

During his internship, he was exposed to the various activities in product manufacturing.

We found him extremely inquisitive and hard working. He was very much interested to learn the functions of our core division and also willing to put his best efforts and get in to the depth of the subject to understand it better.

His association with us was very fruitful and we wish him all the best in his future endeavors.

For, Cable Corporation of India Ltd.

TESTING DEPARTMENT
CABLE CORPORATION OF INDIA LTD

Authorised signatory

Mr. Atul Patil

Human Resources

CABLE CORPORATION OF INDIA LTD.

Address F-3/1, MIDC, Sinnar, Nashik - 422103

(Sinnar Industrial Area, Malegaon).



FORM VI STUDENT INTERNSHIP PROGRAM

Date: 5th January 2023

CERTIFICATE

This is to certify that **Mr Omkar J Kohak** student of TE of Mechanical Engineering from Rajiv Gandhi College of Engineering Karjule Harya , has successfully completed his internship in our Transmission Quality Department from 3rd December 2022 to 3rd January 2023.

During the above period, we found him sincere and hardworking.

We wish him all the best in his future endeavors.

For **FORCE MOTORS LIMITED**


RAHUL BAGALE
Head HR



FORCE MOTORS LIMITED

CIN L34102PN1958PLC011172
Read. Office : Mumbai-Pune Road, Akurdi, PUNE – 411 035, INDIA. Tel. : (+91) 20 2747 63 81
Website : www.forcemotors.com



To whom it may concern,

This certification proves that **Somnath Dattatray Solat** has completed the internship program at Flash Viven Machining Technologies Pvt Ltd as a Production Department started joining the program from 1 Dec 2022 until 12 Jan 2023. During his stay in the company as an Intern, he displays enthusiasm, leadership, self-discipline, and self-motivation. We are lucky to have him as one of our interns before and we would like to wish him all the best.

Sincerely,

Signature of Company
Internship Supervisor with
Company Stamp





Date: 5th January 2023

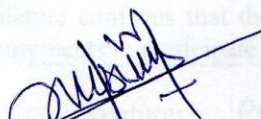
CERTIFICATE

This is to certify that **Mr Prasad S Matkar** student of TE of Mechanical Engineering from Rajiv Gandhi College of Engineering Karjule Haryana , has successfully completed his internship in our Transmission Quality Department from 3rd December 2022 to 3rd January 2023.

During the above period, we found him sincere and hardworking.

We wish him all the best in his future endeavors.

For FORCE MOTORS LIMITED


RAHUL BAGALE
Head HR



FORCE MOTORS LIMITED

CIN L34102PN1958PLC011172

Regd. Office : Mumbai-Pune Road, Akurdi, PUNE – 411 035, INDIA. Tel. : (+91) 20 2747 63 81

Visit us at : www.forcemotors.com



IATF 16949:2016

Plant I : BSI Certificate No. :- 524956-000
IATF No :- 0344665

Plant III : BSI Certificate No. :- 524956-001
IATF No :- 0344981



**Speciality
Sintered**
Products Pvt. Ltd.

Saturday, December 30th, 2022

SUB: INTERNSHIP COMPLETION LETTER

We are glad to inform that Mr. Vikram Arun Kolhe, has successfully completed his internship from 1st December 2022 to 30th December 2022.

During his internship, he was exposed to the various activities in product manufacturing.

We found him extremely inquisitive and hard working. He was very much interested to learn the functions of our core division and also willing to put his best efforts and get in to the depth of the subject to understand it better.

His association with us was very fruitful and we wish him all the best in his future endeavours.

For, **Speciality Sintered Products Pvt. Ltd.**

Authorised signatory
Pradeep T. Chavan
Human Resources
SPECIALITY SINTERED PVT. LTD.
Gat No: 409/1, Post Nanekarwadi village,
Chakan- Talegaon Road, Tal- Khed,
Dist- Pune- 410501, Maharashtra, India
Tel- : 02135 - 278800.

॥ श्री स्वामी समर्थ ॥



RAVINDRA ENGINEERING



EN ISO 9001:2015 Certified Company

Manufacture & Supply Of Precision Machined Metal Components

Plot No. : M-16, M.I.D.C. Area Waluj Chhatrapati Sambhajinagar - 431 136

Ph. (0240) 2564870, Mob. 9822953455, 7887463741 E mail : ravindra.engineering@yahoo.com

GSTIN :27AKBPP7643P1ZG

Ref. :

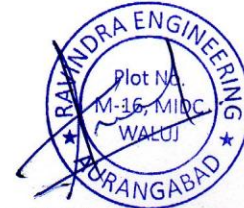
Date. :

Date:-01/02/2023

TO WHOMSOEVER IT MAY CONCERN

It is to certify that Pranay Bhalekar has successfully completed her internship at Ravindra Engineering from 1st December 2022 to 12th January 2023.

He has good technical knowledge and has used it in making the processes more efficient. Her behaviour was good during the period and we wish her all the best for her future.



Ravindra Engineering

INDUSTRIAL TRAINING CERTIFICATE

This is Certify that, **Mr. Vikas Sahebrao Kambale** form Rajiv Gandhi Collage of Engineering karjule Harya, Ahmednagar has successfully completed. his In Plant Training at **Sigma Engineered Solutions.Pvt.Ltd.**

The duration of the training has been from **1st December 2022 to 05th January 2023.**

We wish him all the success in his future endeavors.

For, **SIGMA Electric Manufacturing Corporation Pvt. Ltd.**



Authorised signatory

SIGMA ELECTRIC MANUFACTURING CORPORATION PVT. LTD.

CIN - U74999PN2016PTC165939

REGD. OFFICE Gat No.: 154/1, 155, Post Mahalunge Village, Chakan-Talegaon Road, Khed, Dist. Pune-410501 Maharashtra, India.
& UNIT 1 Phone +91 - 2135 - 307100

UNIT 2 Plot A-2, MIDC Chakan Industrial Area, Mahalunge Village, Chakan, Pune - 410501, India.

UNIT 3 Plot B27, MIDC Chakan Industrial Area, Mahalunge Village, Chakan, Pune - 410501, India.

UNIT 4 Gat No.: 228/1, 228/2, Bhamboli Village, Chakan, Pune - 410501, India.

WEBSITE www.sigmaengineeredolutions.com

EXPORT ORIENTED UNIT



INDIA

AAM India Manufacturing Corporation Pvt. Ltd.

Date-19/05/2023

Internship Letter

This is certify that Mr. Dipak Sunil Shinde, Third Year student of RGCOE has successfully completed internship in the field of Mechanical Engineering from 1st December 2022 to 12th January 2023 under the guidance of Mr. Makarand Joshi.

During this period of her internship program with us, she had been exposed to different processes and was found diligent, hardworking, and inquisitive.

We wish her every success in her life and career.

Thank you,

For AAM INDIA Manufacturing Corporation Pvt Ltd


Laxmikant Gandhi

Manager - HR



Bajaj Auto Limited,
Akurdi, Pune 411 035, India.
Tel +91 20 27472851
Fax +91 20 27473398
bajajauto.com

THE WORLD'S
FAVOURITE
INDIAN

HR/00113747

09/01/2023

VIJAY BHASKAR KUNDKAR

POWER TRAIN DESIGN

Internship Completion Letter

As you have successfully completed your training period from 05/12/2022 to 09/01/2023, you are hereby relieved of your duties with effect from 09/01/2023.

We hope that the knowledge acquired will help you shape your professional career.

We wish you the best for all your future endeavors!

Best Regards,

MOHAN VAMSHI K

VP (HR)

Bajaj Auto Ltd.





TK INDUSTRIES

*MFG OF: Plastic Moulds, Press Tools, Die Casting Dies,
Jigs & Fixture & All Types of VMC Job Works*

Shivneri Premises ,Plot No. 94/5, Sec. No. 10,PCNTDA, Bhosari,
Dist-Pune.

E-mail: tkindustries16@gmail.com Ph: 9860011671

TO WHOMSOEVER IT MAY CONCERN

It is to certify that **Vivek Haribhau Mhatre** from **Rajiv Gandhi College of Engineering** has successfully completed his internship at **TK INDUSTRIES** .

The duration of training has been from 1st December 2022 to 12th January 2023 .

He has good technical knowledge and has used it in making the processes more efficient. Her behaviour was good during the period and we wish her all the best for her future.



TK INDUSTRIES

Ramashankar

Internship Certificate

Date :- 23-01-2023

TO WHOM IT MAY CONCERN

This is to certify that Tejas Rajendra Mate has successfully completed an internship with BLUE STAR LIMITED as an Intern in the Production Department from 20/12/2022 to 18/01/2023.

During the internship, he has gained several learning such as Attention learning, Critical thinking, Machine maintenance and learning and developed considerable skills, including Decision Making, Self Motivation, Communication, Teamwork, Leadership.

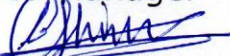
Besides showing high comprehension capacity, managing assignments with the utmost expertise, and exhibiting maximal efficiency, he has also maintained an outstanding professional demeanor and showcased excellent moral character throughout the internship period.

I hereby certify his overall work as good to the best of my knowledge.

Wishing him the best of luck in his future endeavors.

For,

Area Manager


Authorized Signatory



Internship Certificate

Date :- 23-01-2023

TO WHOM IT MAY CONCERN

This is to certify that Somesh Dattatray Shelar has successfully completed an internship with BLUE STAR LIMITED as an Intern in the Production Department from 20/12/2022 to 18/01/2023.

During the internship, he has gained several learning such as Attention learning, Critical thinking, Machine maintenance and learning and developed considerable skills, including Decision Making, Self Motivation, Communication, Teamwork, Leadership.


Besides showing high comprehension capacity, managing assignments with the utmost expertise, and exhibiting maximal efficiency, he has also maintained an outstanding professional demeanor and showcased excellent moral character throughout the internship period.

I hereby certify his overall work as good to the best of my knowledge.

Wishing him the best of luck in his future endeavors.

For,

Area Manager


Authorized Signatory



NATRAJ ENTERPRISES

MANUFACTURER OF PRECISION CNC MACHINED COMPONENTS

Regd. No. : UAN/MH01A0013753

GSTN: 27ACTPT9768K1Z7

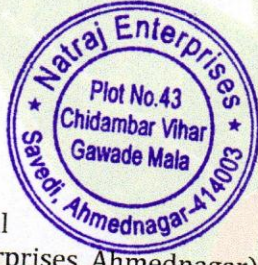
Internship Completion Certificate

To dear Mhaske Saurav Balasaheb

As you have successfully completed your training period from 05/12/2022 to 09/01/2023, you are hereby relieved of your duties with effect from 09/01/2023.

We hope that the knowledge acquired will help you shape your professional career.
We wish you the best for all your future endeavors!

Best regards,



Mr. Sanjay Todmal
(M/s. Natraj Enterprises, Ahmednagar)

Date: 09/01/2023

Place: Ahmenagar



Om Forge

Unit - I - Gat No. 297, Plot No. 8,9 & 10, 1A,1B, Nimblak, Ahmednagar - 414 111.
Unit -II - Plot No. L-99, MIDC, Ahmednagar- 414 111. 0241- 2777599
Email : - omforge@gmail.com Webiste - www.omforge.com.
☎(0241 - 2778899, Fax No. 0241-2778892



Ref.No.

Date: 11 / 01 / 2023

Date:10 Jan 2023

TO WHOM IT MAY CONCERN

This is certifying that Mr. Dinesh Rohidas Karale student of TE Mechanical Engineering from "Rajiv Gandhi College Of Engineering , Karjule Harya " has completed her internship from 10 Dec 2022 to 10 Jan 2023 in our organization.

During thr period of his/her internship he/she was found punctual,sincere,honest and inquisitive.

We wish him/her best wishes for the bright future and success life ahead.

For OM FORGE



Manager A/C & HR



Om Forge

Unit - I - Gat No. 297, Plot No. 8,9 & 10, 1A,1B, Nimblak, Ahmednagar - 414 111.

Unit -II - Plot No. L-99, MIDC, Ahmednagar- 414 111. 0241- 2777599

Email : - omforge@gmail.com Webiste - www.omforge.com.

(0241 - 2778899, Fax No. 0241-2778892



Ref.No.

Date: 11 / 01 / 20 23

Date:10 Jan 2023

TO WHOM IT MAY CONCERN

This is certifying that Mr. Shubham Sanjay Navsupe Rohidas student of TE Mechanical Engineering from "Rajiv Gandhi College Of Engineering , Karjule Harya " has completed her internship from 10 Dec 2022 to 10 Jan 2023 in our organization.

During thr period of his/her internship he/she was found punctual,sincere,honest and inquisitive.

We wish him/her best wishes for the bright future and success life ahead.

For OM FORGE



Manager A/C & HR



PIAGGIO
VEHICLES PVT LTD.

Date: 10 Jan 2023

To,
Mr. Dnyaneshwar Ravindra Pawar,
Rajiv Gandhi Collage Of Engineering,
Karjule Harya.

Sub: Successful completion of Internship.

This is to certify that Mr. Dnyaneshwar Ravindra Pawar from Rajiv Gandhi Collage Of Engineering has completed his Project with us at Vespa Plant Baramati in Assembly under the project title of verification and validation of SOM with respect to SAP under the guidance of Mr. Hemant Dixit during the period of 05 Dec 2022 to 07 Jan 2023.

He has successfully completed his project in our organization.

During his tenure with us we found him to be sincere and hard working. We wish him all the best in future endeavors.

FOR PIAGGIO VEHICLES PVT LTD

Pooja Bansal

Sr. Manager Human Resource.

PIAGGIO VEHICLES PRIVATE LIMITED

34102MHI998PTCI 13606

Corporate Office : 102 "Phoenix" Bund Garden Road, Pune. 411001. INDIA.
Resource Division : 709/7th Floor, Nucleus, 1 Church Road, Pune. 411001, Maharashtra INDIA.
Tel.: (91-20) 10519500 | Fax: (91-20) 30582075
Office : E-2 MIDC Area, Baramati 413 133. Dist. Pune. INDIA.
www.piaggio.com Email : corporate@Piaggio.co.in



Klassic Wheels Limited (Unit-2)

(CIN : U29119PN1994PLC080196)

E-7 & E-8, M.I.D.C. Area, Ahmednagar, Maharashtra, India 414111.

Tel. No. : 0241-2779415, 8378972846 E-mail : kwl@klassicwheels.com

Date : 31/12/2022

WHOM SO EVER IT MAY BE CONCERN

This is to certify that, **Barve Mahesh Vishnu** studying in Mechanical Engineering from "Late Rajiv Gandhi College of Engineering", Parner, Tal. Parner, Dist. Ahmednagar. He has completed 1 months in Plant Training (Industrial Internship). From the 01/12/2022 to 31/12/2022.

During the internship with us, he has got exposure to various typing of departments of company. Quality, Shearing-shop, Fabrication-shop, Tool-Room etc.

We found him behaviour good and wish him all the best in all his future endeavour.

Regards



For Klassic Wheels Ltd.

(Authorized Signature)



Klassic Wheels Limited (Unit-2)

(CIN : U29119PN1994PLC080196)

E-7 & E-8, M.I.D.C. Area, Ahmednagar, Maharashtra, India 414111.

Tel. No. : 0241-2779415, 8378972846 E-mail : kwl@classicwheels.com

Date : 31/12/2022

WHOM SO EVER IT MAY BE CONCERN

This is to certify that, **Jadhav Pushpak Mahadev** studying in Mechanical Engineering from "Late Rajiv Gandhi College of Engineering", Parner, Tal. Parner, Dist. Ahmednagar. He has completed 1 months in Plant Training (Industrial Internship). From the 01/12/2022 to 31/12/2022.

During the internship with us, he has got exposure to various typing of departments of company. Quality, Shearing-shop, Fabrication-shop, Tool-Room etc.

We found him behaviour good and wish him all the best in all his future endeavour.

Regard,

For Klassic Wheels Ltd.



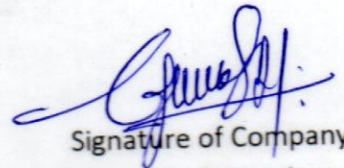
(Authorized Signature)



To whom it may concern,

This certification proves that **Nikhil Laxman Telore** has completed the internship program at Flash Viven Machining Technologies Pvt Ltd as a Production Department started joining the program from 1 Dec 2022 until 12 Jan 2023. During his stay in the company as an Intern, he displays enthusiasm, leadership, self-discipline, and self-motivation. We are lucky to have him as one of our interns before and we would like to wish him all the best.

Sincerely,



Signature of Company
Internship Supervisor with
Company Stamp



Monday, January 16th, 2023

SUB: INTERNSHIP COMPLETION LETTER


We are glad to inform that Mr. Mayur Suresh Harwane, has successfully completed his internship from 15th December 2022 to 15th January 2023.

During his internship, he was exposed to the various activities in product manufacturing.

We found him extremely inquisitive and hard working. He was very much interested to learn the functions of our core division and also willing to put his best efforts and get in to the depth of the subject to understand it better.

His association with us was very fruitful and we wish him all the best in his future endeavors.

For, Cable Corporation of India Ltd.



**TESTING DEPARTMENT
CABLE CORPORATION OF INDIA LTD**

Authorised signatory

Mr. Atul Patil

Human Resources

CABLE CORPORATION OF INDIA LTD.

Address F-3/1, MIDC, Sinnar, Nashik - 422103

(Sinnar Industrial Area, Malegaon).

Monday, January 16th, 2023

SUB: INTERNSHIP COMPLETION LETTER

We are glad to inform that Mr. Shubham Balu Doke, has successfully completed his internship from 15th December 2022 to 15th January 2023.

During his internship, he was exposed to the various activities in product manufacturing.

We found him extremely inquisitive and hard working. He was very much interested to learn the functions of our core division and also willing to put his best efforts and get in to the depth of the subject to understand it better.

His association with us was very fruitful and we wish him all the best in his future endeavors.

For, Cable Corporation of India Ltd.



**TESTING DEPARTMENT
CABLE CORPORATION OF INDIA LTD.**

Authorised signatory

Mr. Atul Patil

Human Resources

CABLE CORPORATION OF INDIA LTD.

Address F-3/1, MIDC, Sinnar, Nashik - 422103

(Sinnar Industrial Area, Malegaon).



To whom it may concern,

This certification proves that **Vishal Rajendra Shinde** has completed the internship program at Flash Viven Machining Technologies Pvt Ltd as a Production Department started joining the program from 1 Dec 2022 until 12 Jan 2023. During his stay in the company as an Intern, he displays enthusiasm, leadership, self-discipline, and self-motivation. We are lucky to have him as one of our interns before and we would like to wish him all the best.

Sincerely,


Signature of Company
Internship Supervisor with
Company Stamp





Om Forge

Unit - I - Gat No. 297, Plot No. 8,9 & 10, 1A,1B, Nimblak, Ahmednagar - 414 111.
Unit -II - Plot No. L-99, MIDC, Ahmednagar- 414 111. 0241- 2777599
Email : - omforge@gmail.com Webiste - www.omforge.com.
☎(0241 - 2778899, Fax No. 0241-2778892



Ref.No.

Date: 11 / 01 / 20 23

Date:10 Jan 2023

TO WHOM IT MAY CONCERN

This is certifying that Mr. Mahesh Sudhakar Bombale student of TE Mechanical Engineering from "Rajiv Gandhi College Of Engineering , Karjule Harya " has completed her internship from 10 Dec 2022 to 10 Jan 2023 in our organization.

During thr period of his/her internship he/she was found punctual,sincere,honest and inquisitive.

We wish him/her best wishes for the bright future and success life ahead.



For OM FORGE

Manager A/C & HR

Date : 01st Feb 2023

CERTIFICATE


To whom so ever it may concern

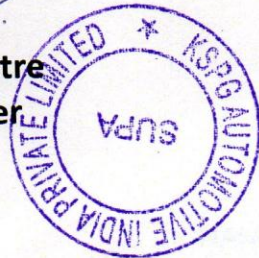
This is to certify that, **Mr. Sagar Sanjay Tirkhunde** student of BE – Mechanical Semester-VI of **Rajiv Gandhi College of Engineering Takli Dhokeshawar, Parner, Ahmednagar**, has completed his internship with us for the period 1th Dec 2022 to 30th January 2023.

During his intern tenure he is observed to be a very sincere hardworking & painstaking individual.

This certificate is issued to him as per his request to be produced for academic requirement.

For KSPG Automotive India Private Limited.


Dadaram Mehetre
Factory Manager





Om Forge

Unit - I - Gat No. 297, Plot No. 8,9 & 10, 1A,1B, Nimblak, Ahmednagar - 414 111.
Unit -II - Plot No. L-99, MIDC, Ahmednagar- 414 111. 0241- 2777599
Email : - omforge@gmail.com Webiste - www.omforge.com.
☎(0241 - 2778899, Fax No. 0241-2778892



Ref.No.

Date: 11 / 01 / 20 23

Date:10 Jan 2023

TO WHOM IT MAY CONCERN

This is certifying that Mr. Swati Ramesh Bidkar student of TE Mechanical Engineering from "Rajiv Gandhi College Of Engineering , Karjule Harya " has completed her internship from 10 Dec 2022 to 10 Jan 2023 in our organization.

During thr period of hjs/her internship he/she was found punctual,sincere,honest and inquisitive.

We wish him/her best wishes for the bright future and success life ahead.

For OM FORGE



Manager A/C & HR

॥ श्री स्वामी समर्थ ॥



RAVINDRA ENGINEERING

EN ISO 9001:2015 Certified Company

Manufacture & Supply Of Precision Machined Metal Components

Plot No.: M-16, M.I.D.C. Area Waluj Chhatrapati Sambhajinagar-431 136

Ph. (0240) 2564870; Mob. 9822953455, 7887463741 E mail: ravindra.engineering@yahoo.com

GSTIN:27AKBPP7643P12G

TUV
AUSTRIA

Ref.:

Date:
01/02/2023

TO WHOMSOEVER IT MAY CONCERN

It is to certify that Shriyash P. Bugade has successfully completed her internship at Ravindra Engineering from 1st December 2022 to 12th January 2023.

He has good technical knowledge and has used it in making the processes more efficient. Her behaviour was good during the period and we wish her all the best for her future.



Ravindra Engineering



PRECISION INSTRUMENTATION AND SERVICES PVT. LTD.

• Instrument Calibration • AHU Validation • Thermal Validation • PLC Validation

21, Shreeram Bhavan F-9, Shreeramkunj, Taki Road, Dwarka, Nashik- 422 011 Tel 0253 - 6348100

M. 09863495124 • Web site : www.plsnashik.com • E-mail: customercare@pishashik.com

To Whom It May Concerned

This is to certify that Mr. Sangharsh Sachin Ashtekar , A Student of "Rajiv Gandhi College of Engineering, Karjule Harya Ahmednagar". He has successfully completed his internship at Precision Instrumentation and Services Pvt. Ltd. Nashik from 12.02.2023 to 12.03.2023

During Above period, he was placed at site of Sun Pharmaceuticals Ahmednagar as Intern calibration Engineer.

His time with us, we found him as hardworking person with excellent communication, Leadership and Management Skills, he himself as an exceptional team worker throughout his job and he is very discipline and professional with his job.

We wish him good life and best opportunities for employment.



Signature with Stamp

॥ श्री स्वामी समर्थ ॥



RAVINDRA ENGINEERING



EN ISO 9001:2015 Certified Company

Manufacture & Supply Of Precision Machined Metal Components

Plot No.: M-16, M.I.D.C. Area Waluj Chhatrapati Sambhajnagar-431 136

Ph. (0240) 2564870; Mob. 9822953455, 7887463741 E mail: ravindra.engineering@yahoo.com

GSTIN:27AKBPP7643P12G

Ref.:

Date:
01/02/2023

TO WHOMSOEVER IT MAY CONCERN

It is to certify that Vijay R Kolhe has successfully completed her internship at Ravindra Engineering from 1st December 2022 to 12th January 2023.

He has good technical knowledge and has used it in making the processes more efficient. Her behaviour was good during the period and we wish her all the best for her future.



Ravindra Engineering



DANA TM4 INDIA PVT LTD

Dana India TM4 Pvt Ltd
Plot No. 1, Gat No. 51, 52,53,54,56,57,58 & 59,
Village Bhamboli, Taluka Khed, Dist. Pune- 410501

Date: 31 DEC 2022

CERTIFICATE

WHOM SO EVER IT MAY BE CONCERN

This is to certify that, **Gite Abhijit Muralidhar** studying in mechanical Engineering from "Late Rajiv Gandhi collage of Engineering" Parner, Tel, Parner Dist., Ahmednagar. He Has completed one month plant Training (Industrial Internship) From the 01 Dec 2022 to 31 Dec 2022

During the internship with us, he has got exposure to various typing of departments of company.

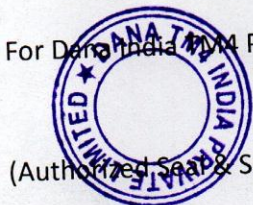
Quality, Shearing shop, Fabrication shop, Tool-Room etc.

We found him behaviour good and wish him all the best in all his future endeavour.

Regard,

For Dana India TM4 Pvt Ltd.

(Authorized Seal & Sign)



Nataline. P
0900123

Dana India TM4 Pvt Ltd.



SWANAND INDUSTRIES PVT. LTD.

Plot No-288, Sec No-10,
PCNTDA, Bhosari, Pune-411026

Email: swanand.ind9091@gmail.com Phone: 9011899991

TO WHOM IT MAY CONCERN

This is certifying that Mr. Abhishek Shivaji More student of TE Mechanical Engineering from "Rajiv Gandhi College Of Engineering, Ahmednagar" has completed her internship from 10 Dec 2022 to 10 Jan 2023 in our organization.

During the period of his/her internship he/she was found punctual, sincere, honest and inquisitive.

We wish him/her best wishes for the bright future and success life ahead.

Date: 10/01/2023

Place: Pune

Sign



Stamp



RAVINDRA ENGINEERING



EN ISO 9001:2015 Certified Company

Manufacture & Supply Of Precision Machined Metal Components

Plot No. : M-16, M.I.D.C. Area Waluj Chhatrapati Sambhajinagar - 431 136

Ph. (0240) 2564870, Mob. 9822953455, 7887483741 E mail : ravindra.engineering@yahoo.com

GSTIN :27AKBPP7643P1ZG

Date:-01/02/2023

TO WHOMSOEVER IT MAY CONCERN

It is to certify that Vighnesh Patil has successfully completed his internship at Ravindra Engineering from 1st December 2022 to 12th January 2023.

He has good technical knowledge and has used it in making the processes more efficient. Her behaviour was good during the period and we wish her all the best for her future.



Ravindra Engineering

Internship Certificate

Date :- 23-01-2023

TO WHOM IT MAY CONCERN

This is to certify that Rahul Prakash Tribhuvan has successfully completed an internship with BLUE STAR LIMITED as an Intern in the Production Department from 20/12/2022 to 18/01/2023.

During the internship, he has gained several learning such as Attention learning, Critical thinking, Machine maintenance and learning and developed considerable skills, including Decision Making, Self Motivation, Communication, Teamwork, Leadership.


Besides showing high comprehension capacity, managing assignments with the utmost expertise, and exhibiting maximal efficiency, he has also maintained an outstanding professional demeanor and showcased excellent moral character throughout the internship period.

I hereby certify his overall work as good to the best of my knowledge.

Wishing him the best of luck in his future endeavors.

For,

Area Manager,


Authorized Signatory





SWANAND INDUSTRIES PVT. LTD.

Plot No-288, Sec No-10,
PCNTDA, Bhosari, Pune-411026

Email: swanand.ind9091@gmail.com Phone: 9011899991

TO WHOM IT MAY CONCERN

This is certifying that Mrs. Arti Bhaskar Yeole student of TE Mechanical Engineering from "Rajiv Gandhi College Of Engineering, Ahmednagar" has completed her internship from 10 Dec 2022 to 10 Jan 2023 in our organization.

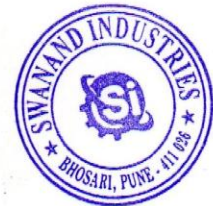
During the period of his/her internship he/she was found punctual, sincere, honest and inquisitive.

We wish him/her best wishes for the bright future and success life ahead.

Date: 10/01/2023

Place: Pune


Sign



Stamp

॥ श्री स्वामी समर्थ ॥



RAVINDRA ENGINEERING



EN ISO 9001:2015 Certified Company

Manufacture & Supply Of Precision Machined Metal Components

Plot No. : M-16, M.I.D.C. Area Waluj Chhatrapati Sambhajinagar - 431 136

Ph. (0240) 2564870, Mob. 9822953455, 7887463741 E mail : ravindra.engineering@yahoo.com

GSTIN :27AKBPP7643P1ZG

Ref. :

Date. : 1/1/2023

TO WHOMSOEVER IT MAY CONCERN

This is certifying that Mr. Shreeram M. Divate Has Successful completed her internship at Ravindra Engineering from 1 st Dec 2022 to 12 Jan 2023. He Has used it in making the processes more efficient. Her behaviour was good during the period and We wish him/her best wishes for the bright tuture.



Ravindra Engineering

॥ श्री स्वामी समर्थ ॥



RAVINDRA ENGINEERING



EN ISO 9001:2015 Certified Company

Manufacture & Supply Of Precision Machined Metal Components

Plot No. : M-16, M.I.D.C. Area Waluj Chhatrapati Sambhajinagar - 431 136

Ph. (0240) 2564870, Mob. 9822953455, 7887463741 E mail : ravindra.engineering@yahoo.com

GSTIN :27AKBPP7643P1ZG

Ref. :

Date. :

Date:-01/02/2023

TO WHOMSOEVER IT MAY CONCERN

It is to certify that Mayur Dhanwate has successfully completed his internship at Ravindra Engineering from 1st December 2022 to 12th January 2023.

He has good technical knowledge and has used it in making the processes more efficient. Her behaviour was good during the period and we wish her all the best for her future.



Ravindra Engineering



Om Forge

Gat No. 297, Plot No. 8,9 & 10, Nimblak, Ahmednagar - 414 111.
Email :- omforge@gmail.com Webiste - www.omforge.com.
☎ 0241 - 2778899, Fax No. 0241-2778892



Date: / / 20

Ref.No.

Date: 10 Jan 2023

TO WHOM IT MAY CONCERN

This is certifying that Mr. Rohit Ankush Pawar student of TE Mechanical Engineering from "Rajiv Gandhi College Of Engineering , Ahmednagar" has completed her internship from 10 Dec 2022 to 10 Jan 2023 in our organization.

During thr period of his/her internship he/she was found punctual,sincere,honest and inquisitive.

We wish him/her best wishes for the bright future and success life ahead.

For OM FORGE



Manager A/C & HR

॥ श्री स्वामी समर्थ ॥



RAVINDRA ENGINEERING

TUV
AUSTRIA

EN ISO 9001:2015 Certified Company

Manufacture & Supply Of Precision Machined Metal Components

Plot No.: M-16, M.I.D.C. Area Waluj Chhatrapati Sambhajinagar - 431 136
Ph. (0240) 2564870, Mob. 9822953455, 7887463741 E mail : ravindra.engineering@yahoo.com
GSTIN : 27AKBPP7643P1ZG

Ref. :

Date. :

Date:-01/02/2023

TO WHOMSOEVER IT MAY CONCERN

It is to certify that Adil Inamdar has successfully completed his internship at Ravindra Engineering from 1st December 2022 to 12th January 2023.

He has good technical knowledge and has used it in making the processes more efficient. His behaviour was good during the period and we wish him all the best for his future.



Ravindra Engineering

॥ श्री स्वामी समर्थ ॥



RAVINDRA ENGINEERING

TUV
AUSTRIA

EN ISO 9001:2015, Certified Company

Manufacture & Supply Of Precision Machined Metal Components

Plot No. : M-16, M.I.D.C. Area Waluj Chhatrapati Sambhajinagar - 431 136

Ph. (0240) 2564870, Mob. 9822953455, 7887463741 E mail : ravindra.engineering@yahoo.com

GSTIN :27AKBPP7643P1ZG

Ref. :

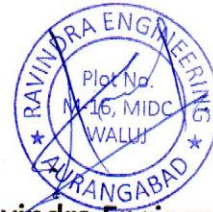
Date. :

Date:-01/02/2023

TO WHOMSOEVER IT MAY CONCERN

It is to certify that Rahul Khairnar has successfully completed his internship at Ravindra Engineering from 1st December 2022 to 12th January 2023.

He has good technical knowledge and has used it in making the processes more efficient. Her behaviour was good during the period and we wish her all the best for her future.



Ravindra Engineering

INDUSTRIAL TRAINING CERTIFICATE

This is Certify that, **Mr. Akshay Ramesh Kote** form Rajiv Gandhi Collage of Engineering karjule Harya, Ahmednagar has successfully completed. his In Plant Training at **Sigma Engineered Solutions.Pvt.Ltd.**

The duration of the training has been from **1st December 2022 to 05th January 2023.**

We wish him all the success in his future endeavors.

For, **SIGMA Electric Manufacturing Corporation Pvt. Ltd.**



Authorised signatory

SIGMA ELECTRIC MANUFACTURING CORPORATION PVT. LTD.

CIN - U74999PN2016PTC165939

REGD. OFFICE Gat No.: 154/1, 155, Post Mahalunge Village, Chakan-Talegaon Road, Khed, Dist. Pune-410501 Maharashtra, India.

& UNIT 1 Phone +91 - 2135 - 307100

UNIT 2 Plot A-2, MIDC Chakan Industrial Area, Mahalunge Village, Chakan, Pune - 410501, India.

UNIT 3 Plot B27, MIDC Chakan Industrial Area, Mahalunge Village, Chakan, Pune - 410501, India.

UNIT 4 Gat No.: 228/1, 228/2, Bhamboli Village, Chakan, Pune - 410501, India.

WEBSITE www.sigmaengineeredolutions.com

EXPORT ORIENTED UNIT



RAVINDRA ENGINEERING

TUV
AUSTRIA

EN ISO 9001:2015 Certified Company

Manufacture & Supply Of Precision Machined Metal Components

Plot No. : M-16, M.I.D.C. Area Waluj Chhatrapati Sambhajnagar - 431 136

Ph. (0240) 2564870, Mob. 9822953455, 7887463741 E mail : ravindra.engineering@yahoo.com

GSTIN : 27AKBPP7643P1ZG

Ref. :

Date. :

Date:-01/02/2023

TO WHOMSOEVER IT MAY CONCERN

It is to certify that Rushikesh Kakade, has successfully completed his internship at Ravindra Engineering from 1st December 2022 to 12th January 2023.

He has good technical knowledge and has used it in making the processes more efficient. Her behaviour was good during the period and we wish her all the best for her future.



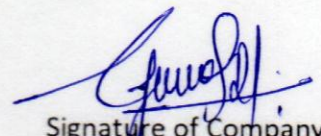
Ravindra Engineering



To whom it may concern,

This certification proves that **Ramkisan Pravin Peharkar** has completed the internship program at Flash Viven Machining Technologies Pvt Ltd as a Production Department started joining the program from 1 Dec 2022 until 12 Jan 2023. During his stay in the company as an Intern, he displays enthusiasm, leadership, self-discipline, and self-motivation. We are lucky to have him as one of our interns before and we would like to wish him all the best.

Sincerely,


Signature of Company
Internship Supervisor with
Company Stamp



CERTIFICATE

॥ श्री स्वामी समर्थ ॥



RAVINDRA ENGINEERING

TÜV
AUSTRIA

EN ISO 9001:2015 Certified Company

Manufacture & Supply Of Precision Machined Metal Components

Plot No. : M-16, M.I.D.C. Area Waluj Chhatrapati Sambhajnagar - 431 136

Ph. (0240) 2564870, Mob. 9822953455, 7887463741 E mail : ravindra.engineering@yahoo.com

GSTIN : 27AKBPP7643P1ZG

Ref. :

Date: 01/02/2023

TO WHOMSOEVER IT MAY CONCERN

It is to certify that Harshal Patil has successfully completed her internship at Ravindra Engineering from 1st December 2022 to 12th January 2023.

He has good technical knowledge and has used it in making the processes more efficient. Her behaviour was good during the period and we wish her all the best for her future.



Ravindra Engineering



To whom it may concern,

This certification proves that **Swapnil Vilas Potdar** has completed the internship program at Flash Viven Machining Technologies Pvt Ltd as a Production Department started joining the program from 1 Dec 2022 until 12 Jan 2023. During his stay in the company as an Intern, he displays enthusiasm, leadership, self-discipline, and self-motivation. We are lucky to have him as one of our interns before and we would like to wish him all the best.

Sincerely,

A handwritten signature in blue ink, appearing to read "Swapnil Potdar", written over a circular blue stamp.

Signature of Company
Internship Supervisor with
Company Stamp





Date: 5th January 2023

CERTIFICATE

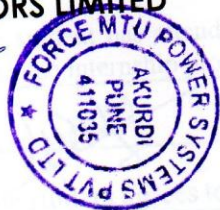
This is to certify that **Mr Sachin R Pawar** student of TE of Mechanical Engineering from Rajiv Gandhi College of Engineering Karjule Harya , has successfully completed his internship in our Transmission Quality Department from 3rd December 2022 to 3rd January 2023.

During the above period, we found him sincere and hardworking.

We wish him all the best in his future endeavors.

For **FORCE MOTORS LIMITED**


RAHUL BAGALE
Head HR



FORCE MOTORS LIMITED

CIN L34102PN1958PLC011172
Regd. Office : Mumbai-Pune Road, Akurdi, PUNE - 411 035, INDIA. Tel. : (+91) 20 2747 63 81
forcemotors.com

Monday, January 16th, 2023

SUB: INTERNSHIP COMPLETION LETTER

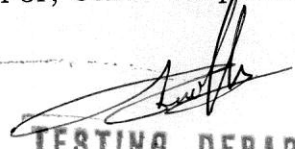
We are glad to inform that Mr. Ajinkya Ashok Dhotre, has successfully completed his internship from 15th December 2022 to 15th January 2023.

During his internship, he was exposed to the various activities in product manufacturing.

We found him extremely inquisitive and hard working. He was very much interested to learn the functions of our core division and also willing to put his best efforts and get in to the depth of the subject to understand it better.

His association with us was very fruitful and we wish him all the best in his future endeavors.

For, Cable Corporation of India Ltd.


TESTING DEPARTMENT
CABLE CORPORATION OF INDIA LTD
Authorised signatory
Mr. Atul Patil

Human Resources

CABLE CORPORATION OF INDIA LTD.

Address F-3/1, MIDC, Sinnar, Nashik - 422103

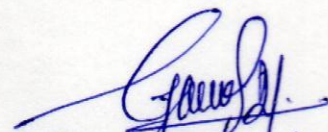
(Sinnar Industrial Area, Malegaon).



To whom it may concern,

This certification proves that **Adesh Omkar Pote** has completed the internship program at Flash Viven Machining Technologies Pvt Ltd as a Production Department started joining the program from 1 Dec 2022 until 12 Jan 2023. During his stay in the company as an Intern, he displays enthusiasm, leadership, self-discipline, and self-motivation. We are lucky to have him as one of our interns before and we would like to wish him all the best.

Sincerely,


Signature of Company
Internship Supervisor with
Company Stamp



**“GREENHOUSE REMOTE MONITORING SYSTEM USING
EMBEDDED CONTROLLED SENSOR NETWORK”**

Project Report

Submitted in fulfillment of the requirement

For the Engineering

In

ELECTRONICS & TELECOMMUNICATION ENGINEERING

by

Mr. Pratik Ganesh Deshmukh (Seat No: B121133001)

Mr. Rakesh Sherichand Rajan (Seat No: B121133002)

Under the Guidance of

Er. Pravin D. Auti



DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION

ENGINEERING

RAJIV GANDHI COLLEGE OF ENGINEERING

KARJULE HARYA, TAL. PARNER DIST. AHMEDNAGAR

2018-2019

A
PROJECT REPORT
ON

**“GREENHOUSE REMOTE MONITORING SYSTEM USING
EMBEDDED CONTROLLED SENSOR NETWORK”**

Submitted by

Mr. Pratik Ganesh Deshmukh (Seat No: B121133001)

Mr. Rakesh Sherichand Rajan (Seat No: B121133002)

In partial fulfillment for the award of Engineering in
ELECTRONICS & TELECOMMUNICATION ENGINEERING
Savitribai Phule Pune University



Guided By

Er. Pravin D. Auti

Department of Electronics & Telecommunication Engineering

Rajiv Gandhi College of Engineering

Karjule Harya, Tal. Parner Dist. Ahmednagar

2018-2019

Dr. P. A. Teltar

Principal

Rajiv Gandhi College of Engineering

Karjule Harya, Tal. Parner Dist. Ahmednagar

“Wireless chargeable Eco-friendly bus”

Project Report Submitted to

SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE

For the Degree of
BACHELOR OF ENGINEERING
In

Electronics and Telecommunication Engineering

By

Kahane Kaustubh

Mane Pooja

Bolbhat Ashwini

Nipanikar Atul

Guided By,

Prof. Kulkarni G.



Academic Year 2020-2021

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

RAJIV GANDHI COLLEGE OF ENGINEERING,

KARJULE HARYA (PARNER

Rajiv Gandhi College of Engineering,

Karjule Harya,Parner.



CERTIFICATE

This is to certify that the project entitled -'Wireless chargeable Eco-friendly bus'

Project Report Submitted to

SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE

For the Degree of

BACHELOR OF ENGINEERING

In

Electronics and Telecommunication Engineering

By

Kahane Kaustubh

Mane Pooja

Bolbhat Ashwini

Nipanikar Atul

Guided By

Prof. Kulkarni G.

A Project Stage II Report
on
**IOT Based Car Accident Detection
And Alert System**

By

1. Mr. Gagare Nikhil K.

PRN No. **72011442L**

2. Mr. Jadhav Rakesh S.

PRN No. **71656719K**

3. Ms. Hangarge Shivila S.

PRN No. **72011443J**

Guide

Er. Auti Pravin. D.



Department of E&TC Engineering
Rajiv Gandhi College of Engineering
Karjule Harya, Tal. Parner, Dist. Ahmednagar 414304
[2021-22]

Rajiv Gandhi College of Engineering

Karjule Harya, Tal. Parner, Dist. Ahmednagar 414 304



CERTIFICATE

This is to certify that

Mr. Gagare Nikhil K. (72011442L)

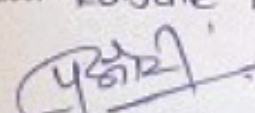
Mr. Jadhav Rakesh S. (71656719K)

Ms. Hangarge Shivilila S. (72011443J)

has successfully completed the Project Stage II entitled "IOT Based Car Accident Detection And Alert System" under my supervision, in the partial fulfillment of Bachelor of Engineering- E&TC Engineering of Savitribai Phule Pune University.

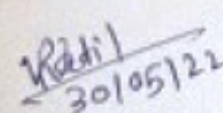
Date: 30-05-2022

Place: Karjule Harya.


Er. Auti Pravin. D.

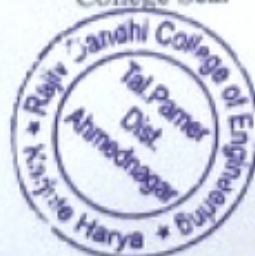
Project Guide


External Examiner


Head of Department
HOD

E&TC Engineering Department
R.G.C.O.E., Karjule Harya

College Seal




Principal

RGCOE, Karjule Harya
PRINCIPAL

Rajiv Gandhi College of Engineering
Karjule Harya, Tal. Parner, Dist. A.Nagar

A Project Stage II Report
on
Traffic Management System

By

1. Chaudhari Raju Sabaji.

PRN No. 71524679J

2. Jadhav Mangesh Balasaheb.

PRN No. 71806679M

3. Jadhav Vinayak Sahebrao.

PRN No. 71727680F

Guide

Prof. Patil V V.



**Department of Electronics and Telecommunication
Engineering**

Rajiv Gandhi College of Engineering

Karjule Haryana, Tal. Parner, Dist. Ahmednagar 414 304

[2021-2022]

Rajiv Gandhi College of Engineering

KarjuleHarya, Tal. Parner, Dist. Ahmednagar 414 304



CERTIFICATE

This is to certify that

Mr. Chaudhari Raju Sabaji. (71524679J)

Mr. JadhavMangeshBalasaheb. (71806679M)

Mr. JadhavVinayak S. (71727680F)

has successfully completed the Project Stage I entitled "Traffic Management System" under my supervision, in the partial fulfillment of Bachelor of Engineering- Electronics and Telecommunication of SavitribaiPhule Pune University.

Date: 30/05/22

Place: RGCOE

V. Patil
30/05/22
Prof. Patil V V.

Project Guide

V. Patil
30/05/22
Head of Department

HOD
E&TC Engineering Department
R.G.C.O.E., Karjule Harya



Y. S. Patil
External Examiner
R. Patil
Principal
RGCOE, KarjuleHarya

PRINCIPAL
Rajiv Gandhi College of Engineering
Karjule Harya, Tal. Parner, Dist. A. Nagar

A
PROJECT STAGE II REPORT
ON

Rajiv Gandhi College of Engineering
"Autonomous Fire Fighting Robot"

BY



CERTIFICATE

This is to certify that the following students have successfully completed the project titled "Autonomous Fire Fighting Robot" under the supervision of Mr. Auti Pravin, D. in the partial fulfillment of Bachelor of Engineering.

Name of Student	Enrollment No.
Mr. Bhilare Vishal Sharadkumar	PRN No. 71656710F
Mr. Auti Navnath Kakasaheb	PRN No. 71656708D
Mr. More Pradip Nimba	PRN No. 71656723H

Under The Guidance of

Mr. Auti Pravin, D.

Department of Electronics And Telecommunication Engineering Rajiv Gandhi
College of Engineering Karjule Harya, Tal. Parner, Dist. Ahmednagar 414304
[2021-2022]

Project Guide External Examiner

External Examiner

Head of Department
HOD
E&TC Engineering Department
R.G.C.O.E., Karjule Harya

Principal
R.G.C.O.E., Karjule Harya
PRINCIPAL
Rajiv Gandhi College of Engineering
Karjule Harya, Tal. Parner, Dist. Ahmednagar



Rajiv Gandhi College of Engineering

Karjule Harya, Tal. Parner, Dist. Ahmednagar 414 304



CERTIFICATE

This is to certify that

Mr. Bhilare Vishal Sharadkumar (71656710F)

Mr. Auti Navnath Kakasaheb (71656708D)

Mr. More Pradip Nimba (71656723H)

has successfully completed the Project Stage II entitled "**Autonomous Fire Fighting Robot**" under my supervision, in the partial fulfillment of Bachelor of Engineering- E&TC Engineering of Savitribai Phule Pune University.

Date: 30-May-2022

Place: Karjule Harya,

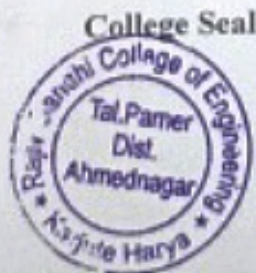
Prof. Auti P. D.

Project Guide External Examiner

30/05/22
External Examiner

30/05/22
Head of Department
HOD
E&TC Engineering Department
R.G.C.O.E., Karjule Harya

Principal
RGCOE, Karjule Harya
PRINCIPAL
Rajiv Gandhi College of Engineering
Karjule Harya, Tal. Parner, Dist. A.Nagar



A Project Stage II Report
on

Automated Railway Gate Control System

By

1. Mr. Farande Bandu Tukaram.

PRN No. **71656714J**

2. Mrs. Nehul Vaishali Sambhaji.

PRN No. **71656725D**

Guide

Prof. Patil V. V.



Department of E&TC Engineering

Rajiv Gandhi College of Engineering

Karjule Harya, Tal. Parner, Dist. Ahmednagar 414304

[2021-2022]

Rajiv Gandhi College of Engineering

Karjule Harya, Tal. Parner, Dist. Ahmednagar 414 304



CERTIFICATE

This is to certify that

Mr. Farande Bandu T. (71656714J)

Mrs. Nehul Vaishali S. (71656725D)

has successfully completed the Project Stage II entitled "Automated Railway Gate Control System" under my supervision, in the partial fulfillment of Bachelor of Engineering- E&TC Engineering of Savitribai Phule Pune University.

Date: 30/5/2022

Place: Karjule Harya

VPatil
30/05/22

Prof. Patil V. V.

Project Guide

Y. S. 12
External Examiner



College Seal

J. Kam
Principal

RGCOE, Karjule Harya

PRINCIPAL

Rajiv Gandhi College of Engineering
Karjule Harya, Tal. Parner, Dist. A.Nagar

VPatil
30/05/22

Head of Department

HOD

E&TC Engineering Department
R.G.C.O.E., Karjule Harya

A Project Stage II Report
on
Adaptive Cruise Control

By

Mr. Singh Udit Tejpratap

PRN No. **72011445E**

Mr. Indre ravindra nagorao

PRN No. **72011444G**

Guided by

Er. Dahake Supriya S.



Department of E&TC Engineering

Rajiv Gandhi College of Engineering

Karjule Harya, Tal. Parner, Dist. Ahmednagar 414304

[2021-22]

Rajiv Gandhi College of Engineering

Karjule Harya, Tal. Parner, Dist. Ahmednagar 414 304



CERTIFICATE

This is to certify that

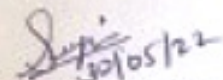
Mr. Singh Udit Tejpratap (72011445E)

Mr. Indre ravindra nagorao(72011444G)

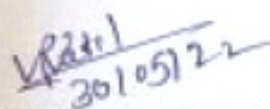
Has successfully completed the Project Stage II entitled "Adaptive Cruise Control" under my supervision, in the partial fulfillment of Bachelor of Engineering- E&TC Engineering of Savitribai Phule Pune University.

Date: 30/05/22

Place: Karjule Harya


Er. Dahake Supriya. S.
Project Guide


External Examiner


Head of Department

HOD
E&TC Engineering Department
R.G.C.O.E., Karjule Harya




Principal

RGCOE, Karjule Harya

PRINCIPAL
Rajiv Gandhi College of Engineering
Karjule Harya, Tal. Parner, Dist. A.Nagar

A Project Stage II Report
on
Intelligent Life Saver System with Gas Leakage

Submitted by

Mr. Pawar Sanket S.
Mr. Korde Mahesh D.
Mr. Bhujade Prashant P.

Guide

Prof. Auti Pravin D.



Department of Electronic and Telecommunication
Engineering
Karjule Harya, Tal. Parner, Dist. Ahmednagar 414 304
JUNE, 2023

Rajiv Gandhi College of Engineering
Karjule Harya, Tal. Parner, Dist. Ahmednagar 414 304

(2022-2023)



CERTIFICATE

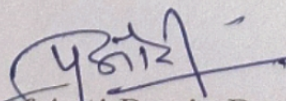
This is to certify that

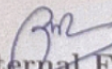
Mr. Pawar Sanket S.
Mr. Korde Mahesh D.
Mr. Bhujade Prashant P.

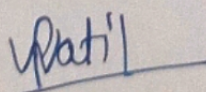
has successfully completed the Project Stage II entitled "Intelligent Life Saver System with Gas Leakage" under my supervision, in the partial fulfillment of Bachelor of Engineering- E&TC Engineering of Savitribai Phule Pune University.

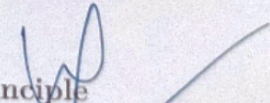
Date: 03/06/2023

Place: Karjule Harya

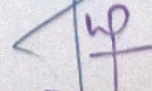

Prof. Anti Pravin D.
Project Guide


External Examiner


Head of Department


Principle
RGCOE, Karjule Harya

HOD
E&TC Engineering Department
RGCOE, Karjule Harya


Principal
R G COE, Karjule Harya.

A Project Stage II Report
on
**Development of Intelligent Safety System For Two-wheeler
Rider**

Submitted by

Mr. BHUJBAL ASHISH L (Seat No. 72177079H)
Mr. DAHITE PRASHANT D (Seat No. 72177080M)
Mr. DATIR NILESH K (Seat No. 72177081K)

Guide

Prof. VASUDHA PATIL



Department of Electronic and Telecommunication
Engineering
Karjule Harya, Tal. Parner, Dist. Ahmednagar 414 304
JUNE, 2023

Rajiv Gandhi College of Engineering
Karjule Harya, Tal. Parner, Dist. Ahmednagar 414 304

(2022-2023)



CERTIFICATE

This is to certify that

Mr. BHUJBAL ASHISH L (Seat No. 72177079H)

Mr. DAHITE PRASHANT D (Seat No. 72177080M)

Mr. DATIR NILESH K (Seat No. 72177081K)

has successfully completed the Project Stage II entitled "Development of Intelligent Safety System For Two-wheeler Rider" under my supervision, in the partial fulfillment of Bachelor of Engineering- E & T C Engineering of Savitribai Phule Pune University.

Date: 03/06/23

Place: Karjule Harya

VPatil

Prof. VASUDHA PATIL
Project Guide

BN
External Examiner

VPatil

Head of Department
HOD
P&TC Engineering Department
RGCOE, Karjule Harya

Principle
RGCOE, Karjule Harya
PRINCIPAL
Rajiv Gandhi College of Engineering
Karjule Harya, Tal. Parner, Dist. A.Hazur

A Project Stage II Report
on
VEHICLE SECURITY CONTROLLING AND
SURVEILLANCE

Submitted by

Mr. Gunjal Akshay Rangnath	(PRN No. 72177082H)
Mr. Gunjal Sanket Bhaskar	(PRN No. 72177083F)
Mr. Thorat Rushikesh Vijay	(PRN No. 72177092E)

Guide

Er. Auti Pravin D.



Department of Electronics and Telecommunication

Engineering

Karjule Harya, Tal. Parner, Dist. Ahmednagar 414 304

2022-2023

Rajiv Gandhi College of Engineering
Karjule Harya, Tal. Parner, Dist. Ahmednagar 414 304

(2022-2023)



CERTIFICATE

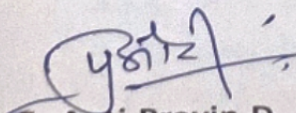
This is to certify that
Mr. Gunjal Akshay R. (PRN No. 72177082H)
Mr. Gunjal Sanket B. (PRN No. 72177083F)
Mr. Thorat Rushikesh V. (PRN No. 72177092E)

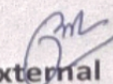
Mr. Gunjal Akshay R.
Mr. Gunjal Sanket B.
Mr. Thorat Rushikesh V.


Has successfully completed the Project Stage II entitled "VEHICLE SECURITY CONTROLLING AND SURVEILLANCE" under my supervision, in the partial fulfillment of Bachelor of Engineering- E&TC Engineering of Savitribai Phule Pune University.


Date: 03/06/2023

Place: RGCOE, Karjule Harya


Er. Auti Pravin D.
Project Guide


External Examiner


Head of Department
HOD
E&TC Engineering Department
RGCOE, Karjule Harya


Principal
RGCOE, Karjule Harya
PRINCIPAL
Rajiv Gandhi College of Engineering
Karjule Harya, Tal. Parner, Dist. Ahmednagar

A Project Stage II Report
on
**HANDWRITTEN MODI CHARACTER RECOGNITION
USING DEEP LEARNING ALGORITHM**

Submitted by

Miss Lohkare Panchfula Ankush (PRN.No.72177087J)

Miss Pol Rutuja Hanmant (PRN.No.72177089E)

Miss Shinde Snehal Vijay (PRN.No.72177090J)

Mr. Zaware Omkar Jaysing (PRN.No.72177093C)

Guide

Prof Vasudha Patil



Department of Electronic and Telecommunication

Engineering

Karjule Harya, Tal. Parner, Dist. Ahmednagar 414 304

JUNE, 2023

Rajiv Gandhi College of Engineering
Karjule Harya, Tal. Parner, Dist. Ahmednagar 414 304
(2022-2023)



CERTIFICATE

This is to certify that

Miss Lohkare Panchfula Ankush (PRN.No.72177087J)

Miss Pol Rutuja Hanmant (PRN.No.72177089E)

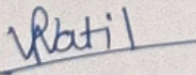
Miss Shinde Snehal Vijay (PRN.No.72177090J)


Mr. Zaware Omkar Jaysing (PRN.No.72177093C)

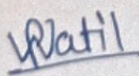
has successfully completed the Project Stage II entitled "Handwritten Modi Character Recognition Using Deep Learning Algorithm" under my supervision, in the partial fulfillment of Bachelor of Engineering- E&TC Engineering of Savitribai Phule Pune University.


Date: 03/06/23

Place: Karjule Harya .


Prof. Vasudha Patil
Project Guide


External Examiner


Head of Department


Principle
RGCOE, Karjule Harya
PRINCIPAL

HOD
E&TC Engineering Department
RGCOE, Karjule Harya

Rajiv Gandhi College of Engineering
Karjule Harya, Tal. Parner, Dist. A.Haga

A PROJECT PHASE I REPORT
ON
“IOT BASED INTELLIGENT
TRANSPORTATION SYSTEM (IOT-ITS) FOR
GLOBAL PERSPECTIVE: A CASE STUDY”

BY

Mr. Tambe Sushilkumar D.
(PRN No. 72177091G)

Mr. Jadhav Nilesh S.
(PRN No. 72177084D)

Mr. Kulkarni Akash S.
(PRN No. 72177086L)

UNDER THE GUIDANCE OF
Prof. Patil V. V.



DEPARTMENT OF ELECTRONICS AND
TELECOMMUNICATION ENGINEERING
Rajiv Gandhi College of Engineering Karjule Harya, Tal. Parner,
Dist. Ahmednagar 414 304
2022-2023

**DEPARTMENT OF ELECTRONICS AND
TELECOMMUNICATION ENGINEERING**

Rajiv Gandhi College of Engineering Karjule Harya, Tal. Parner,
Dist. Ahmednagar 414 304



CERTIFICATE

This is to certify that

Mr. Tambe Sushilkumar D. (72177091G)

Mr. Jadhav Nilesh S. (72177084D)

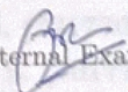
Mr. Kulkarni Akash S. (72701786L)

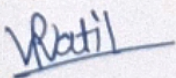
has successfully completed the Project Phase I entitled "IoT Based Intelligent Transportation System (Iot-ITS) for Global Perspective: A Case Study" under my supervision, in the partial fulfillment of Bachelor of Engineering - Electronics and Telecommunication Engineering of Savitribai Phule Pune University, Pune.

Date: 03/06/23

Place: Karjule Harya


(Project Guide)

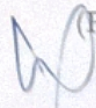

(External Examiner)


(Head of the Dept.)

(Principal)

HOD
EATC Engineering Department
R.G.C.O.E., Karjule Harya

College Seal


PRINCIPAL
Rajiv Gandhi College of Engineering
Karjule Harya, Tal. Parner, Dist. A. Nagar

Internship Completion Certificate

Date :31-Feb-2022

TOWHOMITMAYCONCERN

This is to certify that Mr. Sangale Nilesh S. has undergone his internship With Sigma Engineered Solutions, from **09thDec 22 to 10thFeb 22**. (Three Months)

During the internship he worked on different module on company projects and demonstrated good skills in **Project Quality Department**.

He was diligent and enthusiastic with zeal to do his best on project. He demonstrated good designing skills.

We wish Mr. Rahul Shinde the very best for his career and future endeavours.

For, SIGMA Engineered Solution Pvt. Ltd.

A. Murale

SIGMA ELECTRIC MANUFACTURING CORPORATION PVT. LTD.

(Formerly known as Sigma Electric Manufacturing Pvt. Ltd. & Sunk Rock Metal Foundries India Private Limited)

CIN - U74999PN2016PTC165939

REGD. OFFICE Gat No.: 154/1, 155, Post Mahalunge Village, Chakan-Talegaon Road, Khed, Dist. Pune-410501 Maharashtra, India.

& UNIT 1 Phone +91 - 2135 - 307100

UNIT 2 Plot A-2, MIDC Chakan Industrial Area, Mahalunge Village, Chakan, Pune - 410501, India.

UNIT 3 Plot B27, MIDC Chakan Industrial Area, Mahalunge Village, Chakan, Pune - 410501, India.

WEBSITE www.sigmaelectric.com

EXPORT ORIENTED UNIT



Date: 15.01.2023

"TO WHOMSOEVER THIS MAY CONCERN"

This is to certify that **Mr. Roshan J. Gupta** of Electronics and Telecommunication, Rajiv Gandhi College of Engineering has undergone practical training at HONEYWELL AUTOMATION INDIA LTD from **05 Dec 2022 to 14 Jan 2023**.

During the training period, He have performed the technical work for "**Building Management System & Automation**."

We wish his all the success in his future endeavors.

FOR COSMOS INTERGATED SOLUTIONS PVT LTD

Ratnakar
Hiru
Sawardekar

Digitally signed
by Ratnakar Hiru
Sawardekar
Date: 2023.01.15
17:38:17 +05'30'

Ratnakar H Sawardekar

Manager- HR & Admin

Place: -Mumbai

Email: ratnakar@cosmosispl.com



81, Floor-2 Plot -39, Vijay Nagar Building, M.C. Jawale Marg, Opp. Railway Station, Dadar West, Mumbai - 400 028.

CIN: U74140MH2015PTC268954 ✉ info@cosmosispl.com / hr@cosmosispl.com

☎ +91 22 24384415 🌐 www.cosmosispl.com



Ref/LIPL/ChetanJ/TC/16052023

Date: 16 May 2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr Chetan Rangnath Jagtap**
a 3rd-year Electronics & Telecommunication Engineering student of
Rajiv Gandhi College Of Engineering
has completed his internship training in
the Production department of our
organization from 1 December 2022 to 21 January 2023.

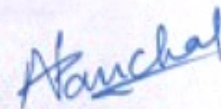
We hope that the training is imparted by our Staff
will help in his career.

We wish him all the best in his future endeavours.

For Libratherm Instruments Private Limited



HR Department



C.O.O

(Ms Ayushi Panchal)

Internship Certificate Template

23rd Jan2023

Subject: Internship Certificate Letter

TO WHOM IT MAY CONCERN

This is to certify that Andhale pratiksha Ravindra bearing Code: B387 has successfully completed an internship with Topband India Pvt.Ltd under the contract of Bhumika enterprises as an Assistant engineer Intern in the Quality Department from 01stDec2022 to 22ndJan2023.

They have worked on the JCH Project under the supervision and guidance of DEMANNA MIRASHI. During the internship, she has gained several learning's such as Internship and developed considerable skills, including Skills, Competencies Acquired.

Besides showing high comprehension capacity, managing assignments with the utmost expertise, and exhibiting maximal efficiency, she has also maintained an outstanding professional demeanor and showcased excellent moral character throughout the internship period.

I hereby certify her overall work as excellent/good / satisfactory to the best of my knowledge.

Wishing her the best of luck in his future endeavors.

For Bhumika enterprises
Authorized Signatory





Ernst & Young LLP
C-401, 4th Floor
Panchshil Tech Park, Yerwada
(Near Don Bosco School)
Pune-411 006, India

Tel: +91 20 6603 6000
Fax: +91 20 6601 5900
ey.com

Date – 10/01/2023

To,

MAHESH KHANDGE

Rajiv Gandhi Collage of Engineering,
Karjule Harya, Ahmednagar.

Subject – Internship completion certificate.

TO WHOM IT MAY CONCERN

This letter is to certify that, **Mr. Mahesh Vitthal Khandge** has successfully completed his internship program of one month with **Ernst & Young LLP**.

His internship tenure was from **01/12/2022** to **31/12/2022**. He was working with Smart City Project.

During this period, we found him to be punctual, hardworking, and dedicated.

The company wishes him a bright future.

For Ernst & Young LLP


Shrikrishna H.

Manager



31.12.2022

TRAINING CERTIFICATE

Name : Ms. Shrutika Sujay Chavan.

Institute : Rajiv Gandhi College of Engineering.

Type of Training : Unpaid Training

Period of Training : **From:** 01.12.2022 **To:** 31.12.2022

Place of Training : The Vaibhav Tech Solutions. Pvt Ltd.,
Lullanagar Pune.

Performance : **Good**

Conduct : **Good**

Attendance : No. of Scheduled working days 27
No. of days attended Training 27

Brief Description of Training : Basic study of Security System.
Study of Estimation work.

Training Reports : **Good**

Other Remark : -



Industrial Projects
Telecom Projects
Residential Projects
Renewable Energy Projects
Road Construction Projects
Government Projects
Hotels



Date – 10/01/2023

To,

SAJID INAMDAR

Rajiv Gandhi Collage of Engineering,
Karjule Harya, Ahmednagar.

Subject – Internship completion certificate.

TO WHOM IT MAY CONCERN

This letter is to certify that, **Mr. SAJID INAMDAR** has successfully completed his internship program of one month with **PRAGATI CONSTRUCTION**.

His internship tenure was from **01/12/2022** to **31/12/2022**. He was working with Telecom Projects.

During this period, we found him to be punctual, hardworking, and dedicated.

The company wishes him a bright future.

For Pragati Construction.

Mr. Suraj T.

Manager

YAZAKI INDIA PVT.LIMITED

Registered Office :- Gat
No, 93 Survey No. 166,
High Cliff Industrial Estate,
Wagholi -Rahu Road
Kesnand, Pune412207 , India
Board: +91 20 6631 5000


CERTIFICATE OF COMPLETION

Omkar Bolij

This is to certify that Ms. Omkar Ravindra Bolij student of BE in E&TC Engg. From Rajiv Gandhi college of engineering, karjule hariya. Omkar Bolij has completed his internship in our organization during the period

1 Dec 2022 to 22 Jan 2023. He has studied carefully and completed his internship in Production Department in Yazaki Indian Pvt. Ltd. Wagholi, Pune.

For Yazaki India Pvt. Limited.



Mahesh Jadhav
Sr. Manager -Human Resource



Date: 15.01.2023

"TO WHOMSOEVER THIS MAY CONCERN"

This is to certify that **Mr. Ganesh L. Hanumante** of Electronics and Telecommunication, Rajiv Gandhi College of Engineering has undergone practical training at HONEYWELL AUTOMATION INDIA LTD from **05 Dec 2022 to 14 Jan 2023**.

During the training period, He have performed the technical work for **"Building Management System & Automation**.

We wish his all the success in his future endeavors.

FOR COSMOS INTERGATED SOLUTIONS PVT LTD

Ratnakar
Hiru
Sawardekar

Digitally signed
by Ratnakar Hiru
Sawardekar
Date: 2023.01.15
17:51:39 +05'30'

Ratnakar H Sawardekar

Manager- HR & Admin

Place: -Mumbai

Email: ratnakar@cosmosispl.com



81, Floor-2 Plot -39, Vijay Nagar Building, M.C. Jawale Marg, Opp. Railway Station, Dadar West, Mumbai - 400 028.

CIN: U74140MH2015PTC268954 | info@cosmosispl.com / hr@cosmosispl.com
+91 22 24384415 | www.cosmosispl.com





Date: 15.01.2023

"TO WHOMSOEVER THIS MAY CONCERN"

This is to certify that **Mr. Rahul R. Gupta** of Electronics and Telecommunication, Rajiv Gandhi College of Engineering has undergone practical training at HONEYWELL AUTOMATION INDIA LTD from **05 Dec 2022 to 14 Jan 2023**.

During the training period, He have performed the technical work for **"Building Management System & Automation**.

We wish his all the success in his future endeavors.

FOR COSMOS INTERGATED SOLUTIONS PVT LTD

Ratnakar
Hiru
Sawardekar

Digitally signed
by Ratnakar Hiru
Sawardekar
Date: 2023.01.15
17:45:10 +05'30'

Ratnakar H Sawardekar

Manager- HR & Admin

Place: -Mumbai

Email: ratnakar@cosmosispl.com



81, Floor-2 Plot -39, Vijay Nagar Building, M.C. Jawale Marg, Opp. Railway Station, Dadar West, Mumbai - 400 028.

CIN: U74140MH2015PTC268954 E: info@cosmosispl.com / hr@cosmosispl.com
☎ +91 22 24304415 @ www.cosmosispl.com





DATE: 23 JAN 2023

INTERNSHIP CERTIFICATE

SUBJECT: INTERNSHIP CERTIFICATE LETTER

This is to certify that Salve Sachin Suresh being code: UCS0084 has successfully completed an internship with CARRIER MIDEA INDIA PVT.LTD as an Assistant Engineer intern in the Quality Department from 01 Dec 2022 to 22 Jan 2023.

They have worked on the IQC (Incoming Quality Control) and PRI (Part Reliability lab) during the internship , they has gained several learning's such as internship and developed considerable skill , including skills,Competencies Acquired.

I hereby certify her overall work as excellent/good / satisfactory to the best of my knowledge.

Wishing her the best of luck in his future endeavors.

Authorized Signatory
For , CARRIER MIDEA INDIA PVT. LTD


Carrier Midea India Pvt. Ltd.
SUPA-M03



Internship Completion Certificate

Date: 15th May 23

TO WHOM IT MAY CONCERN

This is to certify that **Mr. Pratik Hirode** has undergone his internship With Webnetiz Solutions, Pune from **01th Dec 22 to 22th Jan 22.** (Two Months)

During the internship he worked on different module on company projects and demonstrated good skills in asp.net, C sharp, SQL server and Wordpress.

He was diligent and enthusiastic with zeal to do his best on project. He demonstrated good designing skills.

We wish Ms. Nikita Patil the very best for his career and future endeavors.

For WebNetiz Solutions

Sincerely,
Shrikant Joshi
HR Manager



Tel. 95-2720-0378 | info@webnetiz.com
www.webnetiz.com

SN 123, Mangal Savera, Ravet, Pune, 412101



Innovatus Technologies

Implementing Ideas...

CERTIFICATE OF INPLANT TRAINING COMPLETION

This is to certify that

Pandhare Pankaj Mahesh

has successfully completed the In-plant Training Program in
Core Python Programming Language, Basic Machine Learning
and Personality Development Courses along with the Java Full Stack
Desktop Application Development for College Management System
software from 5th July 2022 to 20th August 2022.



A blue ink signature of the CEO, appearing to read "Pankaj Mahesh".

CEO

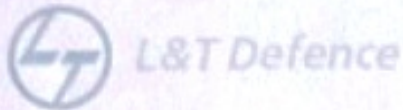
Innovatus Technologies



www.innovatus.in

A blue ink signature of the Managing Director, appearing to read "Anita Sawal".

Managing Director
Innovatus Technologies



Larsen & Toubro Limited
Defence
Strategic Systems Complex
A/c. 7, E, 10 & 11, MIDC Talegaon
Village Nandesh Umroli, Taluka Masur
Pune - 410 507, Maharashtra, INDIA
Tel : +91 2114 669 002
Fax : +91 2114 669 069
www.larsentoubro.com

Date : 31-Dec-2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. Shrikant Bhagvat Paul** from L&T DEFENCE Talegaon had undergone project Internship from **01 Dec 2022 To 31 Dec 2022** in our organization

Reference	TAS/TLGA/2022
Trainee PS Number	
Unit / Department	STRATEGIC SYSTEMS COMPLEX
Period of Training	01-Dec-2022 To 31-Dec-2022

We found Shrikant hard working & sincere person who carried out his work diligently .

We wish him off the best for his future endeavors

For Larsen & Toubro Limited

Vilas Pawar
Assistant Manager – HR



YUANDA ROYAL CONSORTIUM

122, SAHAR CARGO ESTATE, ANDHERI (E), MUMBAI-400099

DATE - 10/01/2023

To
KIRAN SHELKE
RAJIV GANDHI COLLEGE OF ENGINEERING,
KARJULE HARYA AHMEDNAGAR

●
SUBJECT- INTERNSHIP COMPLETION CERTIFICATE

To whom it may concern

This is to certify that Mr KIRAN SHELKE, student at RAJIV GANDHI COLLEGE OF ENGINEERING, has successfully completed his internship at YUANDA ROYAL CONSORTIUM.

His internship tenure was from 01/12/2022 to 31/12/2022. He was working with Brilliant Escalator and Elavator Company.

● During this project, we found him to be punctual, hard-working and dedicated.

The company wishes him a bright future.

For and behalf of,
Yuanda Royal Consortium

SANDEEP MAWALE
MANAGER



Larsen & Toubro Limited
Defence
Strategic Systems Complex
A5, 7, 8, 10 & 11, MG Road, Talegaon
College Navsari, Navsari, Taluka Maval
Dist - 410 501, Maharashtra, INDIA
Tel : +91 2114 6594002
Fax : +91 2114 1614000
www.larsentoubro.com

Date : 31-Dec-2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. Rahul Balshiram Wagh** from L&T DEFENCE Talegaon had undergone project Internship from **01 Dec 2022 To 31 Dec 2022** in our organization

Reference	TAS/TLGA/2022
Trainee PS Number	
Unit / Department	STRATEGIC SYSTEMS COMPLEX
Period of Training	01-Dec-2022 To 31-Dec-2022

We found Rahul hand working & sincere person who carried out his work diligently .

We wish him off the best for his future endeavors

For Larsen & Toubro Limited

Vilas Pawar
Assistant Manager – HR

Nashik Plant



BOSCH


Bosch Limited
Plot No. 75, MIDC Estate,
Trimbak Road, Satpur,
Post Bag No. : 64,
Nashik - 422 007.
INDIA
www.boschindia.com
PAN No. : AAACM 9640 P

Training Completion Certificate

22.01.2023

Name	Mr. Gorase Ajinkya Sunil
E No.	34245451
Designation	Internship Trainee
Date of Joining	01.12.2022
Date of Leaving	22.01.2023
Reason for Leaving	Training Completed

Yours faithfully,
for **Bosch Limited**,


Shrikant Dnyaneshwar Chavan
General Manager
(Human Resources)


Anant Fanindra Dandekar
Deputy Manager
(Training & Development)



L&T Electrical & Automation
Projects

Correspondence Address
Electrical Systems & Equipment
A-10 Gate No-5, Nimbiak Road,
MIDC, Ahmednagar - 414 111
Tel.: +91 241 6614 700
+91 241 6614 701
Fax: +91 241 6614 908
www.Lntebg.com

Ref: HR/EPP/10792242

11th July 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that, Mr. Pramod Daspute had undergone the six months industry training through the Employment Promotion Program Scheme (E.P.P.) as Trainee Engineer from 8th January 2022 to 9th July 2022 in our organization in Quality Department.

His performance and conduct during the above training period were found to be satisfactory.

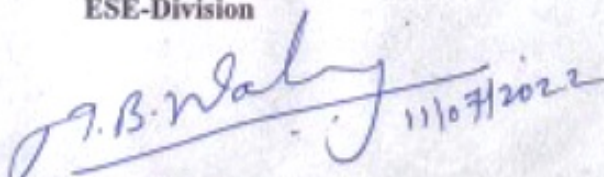
His training has been governed by the Employment & Self Employment Office, Ahmednagar branch under the E.P.P. Scheme.

We wish him success for his future endeavors.

For L&T Electrical and Automation

(a unit of Schneider Electric India Private Limited)

ESE-Division


Authorized Signatory



L&T Electrical & Automation, a unit of Schneider Electric India Private Limited

Registered Office: Schneider Electric India Private Limited, C-56, Mayapuri Industrial Area, Phase-II
New Delhi West Delhi, Pin code - 110064, INDIA | CIN: U74899DL1995PTC065815



Certificate

INDUSTRIAL AUTOMATION TRAINING

This certificate is proudly presented to

Mr. Bansode Prafull Bhaskar

*For successfully completing the 'Industrial Automation Training'
Held from 01/12/2022 to 01/01/2023 at MNCAS India Pvt. Ltd. Pune*



Director

MNCAS India Pvt. Ltd.

01/01/2023

Date



Certificate

INDUSTRIAL AUTOMATION TRAINING

This certificate is proudly presented to

Mr. Aditya Peakash Kapse.

For successfully completing the 'Industrial Automation Training'
Held from 1st Dec. 2022 to 1st Jan 2023 at MNCAS India Pvt. Ltd. Pune

Gowind
Director

MNCAS India Pvt. Ltd.

1 Jan 2023

Date

Address:- Survey No-317, Near PCMC Park, Waghere colony No-4, Pimpri wagher gaon, Pune : 411-017.



AMPERE ELECTRICAL SERVICES



CERTIFICATE OF PARTICIPATION THIS CERTIFICATE GOES TO

SHUBHAM MADHUKAR UDAGE

has successfully completed four week Industrial
Training Program on " Ampere electrical
Technologies and Job Opportunities in lighting
ArresterSolar Photovoltaic" conducted by

Sandip

MR. SANDIP MHASKE
DIRECTOR
AMPERE ELECTRICAL
SERVICES

Pratik Bhalkar



MR. PRAKASH BHALKAR
INCHARGE
TRAINING DIVISION





Internship Completion Certificate

Date: 25th Jan 23

TO WHOM IT MAY CONCERN

This is to certify that **Mr. Ashish Pardeshi** has undergone his internship with Webnetiz Solutions, Pune from **1st Dec 22 to 21th Jan 23** as Full Stack Developer.

During the internship he worked on different module on company projects and demonstrated good skills in asp.net, C sharp, SQL server and Wordpress.

He was diligent and enthusiastic with zeal to do his best on project.
He demonstrated good designing skills.

We wish Ashish Pardeshi the very best for his career and future endeavors.

For WebNetiz Solutions

Sincerely,
Shrikant Joshi
HR Manager



Tel. 95-2720-0378 | info@webnetiz.com
www.webnetiz.com

SN 123, Mangal Savera, Ravet, Pune, 412101





Certificate

INDUSTRIAL AUTOMATION TRAINING

This certificate is proudly presented to

Mr. Kadnor Kiran Manjabaab

For successfully completing the 'Industrial Automation Training'

Held from 01/12/2022 to 01/01/2023 at MNCAS India Pvt. Ltd. Pune



Director

MNCAS India Pvt. Ltd.

01/01/2023

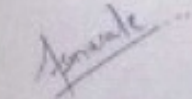
Date

Date :29-Jan-2023

CERTIFICATE **INTERNSHIP**

NAME : Rohit sanjay pabalkar
EMP. NO : 384959
DESIGNATION : Intern Trainee Engineer
PLANT : A1
DEPARTMENT : Production
DATE OF JOINING : 01-Dec-2023
DATE OF SEPARATION : 22-Jan-2023
P.F. NO. : NA
PF - UAN : NA
ESIC No. : NA
REASON FOR SEPARATION : Training completed

For, SIGMA Electric Manufacturing Corporation Pvt. Ltd.



Authorised signatory

SIGMA ELECTRIC MANUFACTURING CORPORATION PVT. LTD.

CIN - U74999PN2016PTC165939

REGD. OFFICE & UNIT 1 Get No.: 154/1, 155, Post Mahalinge Village, Chakan-Talegaon Road, Khed, Dist. Pune-410501 Maharashtra, India.

UNIT 2 Phone +91 - 2135 - 307100

UNIT 3 Plot A-2, MDC Chakan Industrial Area, Mahalinge Village, Chakan, Pune - 410501, India.

UNIT 4 Plot B27, MDC Chakan Industrial Area, Mahalinge Village, Chakan, Pune - 410501, India.

UNIT 5 Get No.: 229/1, 229/2, Bhamboli Village, Chakan, Pune - 410501, India.

WEBSITE www.sigmaengineered.com

EXPORT ORIENTED UNIT

CERTIFICATE OF INTERNSHIP



PRESENTED TO

VIRAJ JADAHV

For Successfully Completing Online Internship on

EMBEDDED SYSTEMS

This Internship Provided Hands-On Exposure on

- Foundational Programming Skills in C & Micro-Controllers
- SDLC Based Project Building in Embedded Systems

Internship StartDate : 1st Dec 2022

Internship EndDate : 7th Jan 2023



Technology Head, Emertxe
(Mubeen Jukaku)



Director, Emertxe
(Jayakumar Balasubramanian)

CERTIFICATE ID

E122_004

Internship Completion Certificate

Date :31-Feb-2022

TO WHOM IT MAY CONCERN

This is to certify that Mr. Shubham Petkar has undergone his internship With Sigma Engineered Solutions, from 09th Dec 22 to 10th Feb 22. (Three Months)

During the internship he worked on different module on company projects and demonstrated good skills in **Project Quality Department**.

He was diligent and enthusiastic with zeal to do his best on project. He demonstrated good designing skills.

We wish Mr. Shubham Petkar the very best for his career and future endeavours.

For, SIGMA Engineered Solution Pvt. Ltd.



Authorised signatory

SIGMA ELECTRIC MANUFACTURING CORPORATION PVT. LTD.

(Formerly known as Sigma Electric Manufacturing Pvt. Ltd. & Sunk Rock Metal Foundries India Private Limited)

CIN - U74999PN2016PTC165939

REGD. OFFICE Gat No.: 154/1, 155, Post Mahalunge Village, Chakan-Talegaon Road, Khed, Dist. Pune-410501 Maharashtra, India.

& UNIT 1 Phone +91 - 2135 - 307100

UNIT 2 Plot A-2, MIDC Chakan Industrial Area, Mahalunge Village, Chakan, Pune - 410501, India.

UNIT 3 Plot B27, MIDC Chakan Industrial Area, Mahalunge Village, Chakan, Pune - 410501, India.

WEBSITE www.sigmaelectric.com

EXPORT ORIENTED UNIT

Internship Completion Certificate

TO WHOM IT MAY CONCERN

This is to certify that **omkar vahadne** has undergone his internship With Sigma Engineered Solutions, from 09th Dec 22 to 10th Feb 22. (Three Months)

During the internship he worked on different module on company projects and demonstrated good skills in **Project Quality Department**.

He was diligent and enthusiastic with zeal to do his best on project. He demonstrated good designing skills.

We wish **omkar vahadne** the very best for his career and future endeavours.



For, SIGMA Engineered Solution Pvt. Ltd.

Authorised signatory

SIGMA ELECTRIC MANUFACTURING CORPORATION PVT. LTD.

(Formerly known as Sigma Electric Manufacturing Pvt. Ltd. & Sunk Rock Metal Foundries India Private Limited)

CIN - U74999PN2306PTC166909

REGD. OFFICE & UNIT 1 Get No: 154/1, 155, Post Mahalunge Village, Chakan-Talegaon Road, Khed, Dist. Pune-410501 Maharashtra, India. Phone +91 - 2135 - 307100

UNIT 2 Plot A-2, MDC Chakan Industrial Area, Mahalunge Village, Chakan, Pune - 410501, India.

UNIT 3 Plot B27, MDC Chakan Industrial Area, Mahalunge Village, Chakan, Pune - 410501, India.

WEBSITE www.sigmaelectric.com

EXPORT ORIENTED UNIT

Internship Completion Certificate

Date: 10-Feb-2023

TO WHOM IT MAY CONCERN

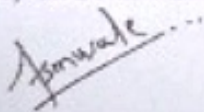
This is to certify that **Mr. Akshay Ghushinge** has undergone his internship With Sigma Engineered Solutions, from **9th Dec 22 to 9th Feb 23.**

During the internship, he worked on different module on company projects and demonstrated good skills in **Project Quality Department.**

He was diligent and enthusiastic with zeal to do his best on project. He demonstrated good designing skills.

We wish Mr. Akshay Ghushinge the very best for his career and future endeavours.

For, SIGMA Engineered Solution Pvt. Ltd.



Authorised signatory

SIGMA ENGINEERED SOLUTION PVT. LTD.

(Formerly known as Sigma Electric Manufacturing Pvt. Ltd. & Sunk Rock Metal Foundries India Private Limited)

CIN – U74999PN2016PTC165939

REGD. OFFICE GAT NO. 154/1, 155, Post Mahalunge, Chakan-Telegaon Road, Khed, Dist. Pune-410501 Maharashtra, India.

&UNIT 1 Phone +91 - 2135 - 307100

UNIT 2 Plot A-2 MIDC Chakan Industrial Area Mahalunge Village Chakan Pune – 410501, India.

UNIT 3 Plot B27, MIDC Chakan Area Mahalunge Village Chakan Pune – 410501, India. WEBSITE

www.Sigmaelectric.com

EXPORT ORIENTED UNIT



Schneider
Electric

Ahmednagar, Maharashtra

Certificate of Completion

This is to certify that,

Mr. Prashant Nandkumar Dindkar

has successfully completed one -Month Industrial Training

in the Department of Quality.

from [01-10-2022] to [14-01-2023]

During the training period, the trainee actively participated in various activities and demonstrated a keen interest in learning and acquiring practical knowledge in the field of forging manufacturing. The trainee showed great enthusiasm, dedication, and a strong work ethic throughout the training program.

Throughout the training, the trainee gained hands-on experience in various aspects of the production process, including forging operations, heat treatment, machining, quality control, and safety protocols. The trainee exhibited a quick grasp of concepts and actively contributed to the team's tasks and responsibilities.

This certificate is awarded in recognition of the trainee's successful completion of the one-month industrial training program, acknowledging their commitment, hard work, and willingness to learn.

We wish the trainee every success in their future endeavors and professional career.



Grupo Antolin Chakan Private Limited

Plot No. F-1, Phase III, Chakan MIDC, Near Mercedes-Benz Plant, Village-
Kharabwadi, Taluka- Khed Pune Pune MH 410501 IN,
CIN U51103PN2008PTC164623
Email id- chakan.ga@grupoantolin.com

Certificate of Completion

This is to certify that **Bansode Chandrakant Dattatray** has successfully completed One-Month Industrial Training at Grupo Antolin Chakan Pvt Ltd in the Department of Quality from 10/12/22 to 12/01/23

During the training period, the trainee actively participated in various activities and demonstrated a keen interest in learning and acquiring practical knowledge in the field of forging manufacturing. The trainee showed great enthusiasm, dedication, and a strong work ethic throughout the training program.

Throughout the training, the trainee gained hands-on experience in various aspects of the production process, including forging operations, heat treatment, machining, quality control, and safety protocols. The trainee exhibited a quick grasp of concepts and actively contributed to the team's tasks and responsibilities.

This certificate is awarded in recognition of the trainee's successful completion of the one-month industrial training program, acknowledging their commitment, hard work, and willingness to learn.

We wish the trainee every success in their future endeavors and professional career.

Date: 15/01/2023

Mr. Vishal Mahajan

Head of Department

Quality control

Grupo Antolin Chakan Pvt Ltd

Pureride Technologies Pvt. Ltd.

Office Address : Mumbai - Maharashtra, India
Business Unit : Assured

"TO WHOMSOEVER THIS MAY CONCERN"

This is to certify that **MR. Rahul Rajendra Amrutkar** of Electronics and Telecommunication, Rajiv Gandhi College of Engineering has undergone practical training at **Pureride Technologies Pvt Ltd** from **05 Dec 2022 to 14 Jan 2023**.

During the training period, He have performed the technical work for "**Building Management System & Automation**."

We wish his all the success in his future endeavors.



Internship Completion Certificate

Date: 10-Feb-2023

TO WHOM IT MAY CONCERN

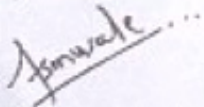
This is to certify that **Mr. Swapnil Kadam** has undergone his internship With Sigma Engineered Solutions, from **9th Dec 22 to 9th Feb 23**.

During the internship, he worked on different module on company projects and demonstrated good skills in **Project Quality Department**.

He was diligent and enthusiastic with zeal to do his best on project. He demonstrated good designing skills.

We wish Mr. Swapnil kadam the very best for his career and future endeavours.

For, SIGMA Engineered Solution Pvt. Ltd.



Authorised signatory

SIGMA ENGINEERED SOLUTION PVT. LTD.

(Formerly known as Sigma Electric Manufacturing Pvt. Ltd. & Sunk Rock Metal Foundries India Private Limited)

CIN – U74999PN2016PTC165939

REGD. OFFICE GAT NO. 154/1, 155, Post Mahalunge, Chakan-Telegaon Road, Khed, Dist. Pune-410501 Maharashtra, India.

&UNIT 1 Phone +91 - 2135 - 307100

UNIT 2 Plot A-2 MIDC Chakan Industrial Area Mahalunge Village Chakan Pune – 410501, India.

UNIT 3 Plot B27, MIDC Chakan Area Mahalunge Village Chakan Pune – 410501, India.

WEBSITE www.Sigmaelectric.com

EXPORT ORIENTED UNIT

Internship Completion Certificate

Date :31-Feb-2022

TO WHOM IT MAY CONCERN

This is to certify that Mr. Rahul Shinde has undergone his internship With Sigma Engineered Solutions, from **09th Dec 22 to 10th Feb 22**. (Three Months)

During the internship he worked on different module on company projects and demonstrated good skills in **Project Quality Department**.

He was diligent and enthusiastic with zeal to do his best on project. He demonstrated good designing skills.

We wish Mr. Rahul Shinde the very best for his career and future endeavours.

For, SIGMA Engineered Solution Pvt. Ltd.



SIGMA ELECTRIC MANUFACTURING CORPORATION PVT. LTD.

(Formerly known as Sigma Electric Manufacturing Pvt. Ltd. & Sunk Rock Metal Foundries India Private Limited)

CIN - U74999PN2016PTC165939

REGD. OFFICE Gat No.: 154/1, 155, Post Mahalunge Village, Chakan-Talegaon Road, Khed, Dist. Pune-410501 Maharashtra, India.

& UNIT 1 Phone +91 - 2135 - 307100

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UNIT 3 Plot B27, MIDC Chakan Industrial Area, Mahalunge Village, Chakan, Pune - 410501, India.

WEBSITE www.sigmaelectric.com

EXPORT ORIENTED UNIT



Authorised signatory



SIGMA ELECTRIC MANUFACTURING CORPORATION PVT. LTD.

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CIN - U74999PN2016PTC165939

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UNIT 3 Plot B27, MIDC Chakan Industrial Area, Mahalunge Village, Chakan, Pune - 410501, India.

WEBSITE www.sigmaelectric.com

EXPORT ORIENTED UNIT

A
PROJECT STAGE - II REPORT
ON

**"HYBRID POWER GENERATION SYSTEM USING
WIND & SOLAR ENERGY WITH IOT BASED."**

SUBMITTED
TO

THE SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE 411007
IN PARTIAL FULFILLMENT OF THE REQUIREMENTS OF DEGREE
B.E. ELECTRICAL ENGINEERING

BY

- Mr.Sachin Sahebrao More Exam Seat No: B191132520
- Miss.Neha Deepak Kadam Exam Seat No: B191132501
- Miss.Kavita Bhavesh Rawal Exam Seat No: B191132525

UNDER THE GUIDANCE OF
PROF. GATH S. P.



DEPARTMENT OF ELECTRICAL ENGINEERING
RAJIV GANDHI COLLEGE OF ENGINEERING, KARJULE HARYA,
TALUKA- PARNER, AHAMADNAGAR
2022-2023

Certificate

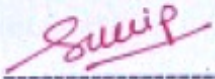
This is to certify that the Project Work entitled,
“HYBRID POWER GENERATION SYSTEM USING
WIND & SOLAR ENERGY WITH IOT BASED.”

Submitted by:-


- Mr.Sachin Sahebrao More Exam Seat No: B191132520
- Miss.Neha Deepak Kadam Exam Seat No: B191132501
- Miss.Kavita Bhavesh Rawal Exam Seat No: B191132525

This project report embodies the work carried out by candidates, towards the partial fulfillment of the Bachelor of Engineering in Electrical Engineering of Rajiv Gandhi College of Engineering conferred by Savitribai Phule Pune University, Pune 411007.


PROF. Gath Sandip
(Project Guide)


PROF. Gath Sandip
(Head of Department)


1.6.2023
EXTERNAL EXAMINOR


PROF. M.P.Nagarkar
(Principal-RGCOE)

PRINCIPAL

Rajiv Gandhi College of Engineering
Karjule Harya, Tal. Parner, Dist. A. N.



Date:- 01 - 06 - 2023

Place:- Karjule Harya

De A PROJECT STAGE II REPORT
Rajiv Gandhi College of ON
**“ADAPTIVE SUN AND RAIN ENERGY
HARVESTING SYSTEM USING SOLAR
AND PIEZO”**

to Certify That Project Stage II Report Entitled
SUBMITTED TO
The Savitribai Phule Pune University, Pune 411007
In partial fulfilment of the requirement of degree of B.E.
Electrical Engineering

Submitted by
BY
Gaikwad Yogita R. (B191132510)
Garud Rushikesh T. (B191132512)
Sawant Adinath B. (B191132526)
Shid Yogesh P. (B191132527)

Under the Guidance of
Prof. GATH SANDIP



Department of Electrical Engineering
Rajiv Gandhi College of Engineering, Karjule Harya,
Taluka - Parner, Ahmednagar 2022-2023

Department of Electrical Engineering
Rajiv Gandhi College of Engineering, Karjule Harya,
Taluka - Parner, Ahmednagar

CERTIFICATE

This is to Certify That Project Stage II Report Entitled

**“ADAPTIVE SUN AND RAIN ENERGY HARVESTING
SYSTEM USING SOLAR AND PIEZO”**

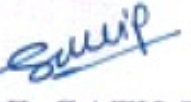
Submitted by

Gaikwad Yogita R. (B191132510)
Garud Rushikesh T. (B191132512)
Sawant Adinath B. (B191132526)
Shid Yogesh P. (B191132527)

This project embodies the work carried out by candidates, towards the partial fulfilment of Bachelor of Engineering in **Electrical Engineering** of **Rajiv Gandhi College of Engineering** conferred by Savitribai Phule Pune University, Pune 411007.


PROF. GATH SANDIP
(Project Guide)


1.6.2023
EXTERNAL EXAMINOR


PROF. GATH SANDIP
(H.O.D.)
Electrical Engineering Department
R.G.C.E.E., Karjule Harya


PROF. M.P. NAGARKAR
(PRINCIPAL)

Rajiv Gandhi College of Engineering,
Karjule Harya, T. H. Parner, Dist. A. H. N.

Date:-

Place:- Rajiv Gandhi College of Engineering, Karjule Harya



A
PROJECT REPORT
ON

“Electromagnetic Space Shuttle Launcher”

SUBMITTED
TO

THE SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE 411007
IN PARTIAL FULFILLMENT OF THE REQUIREMENTS OF DEGREE OF
B.E. ELECTRICAL ENGINEERING

BY

- | | |
|---------------------|--------------------------|
| ● Ganesh Shirsat | Exam Seat No. B191132529 |
| ● Swapnil Lakudzode | Exam Seat No. B191132518 |
| ● Vishal Rankhamb | Exam Seat No. B191132523 |
| ● Abdulkadir Surve | Exam Seat No. B191132531 |

UNDER THE GUIDENCE OF
PROF. GATH S. P.



DEPARTMENT OF ELECTRICAL ENGINEERING
RAJIV GANDHI COLLEGE OF ENGINEERING, KARJULE HARYA,
TALUKA- PARNER, AHAMADNAGAR

2022-2023

DEPARTMENT OF ELECTRICAL ENGINEERING
RAJIV GANDHI COLLEGE OF ENGINEERING, KARJULE HARYA,
TALUKA- PARNER, AHAMADNAGAR

Certificate

This is to certify that the Project Work entitled

“Electromagnetic Space Shuttle Launcher”

Submitted by:-

- | | |
|---------------------|--------------------------|
| • Ganesh Shirsat | Exam Seat No. B191132529 |
| • Swapnil Lakudzode | Exam Seat No. B191132518 |
| • Vishal Rankhamb | Exam Seat No. B191132523 |
| • Abdulkadir Surve | Exam Seat No. B191132531 |

This project report embodies the work carried out by candidates, towards the partial fulfillment of Bachelor of Engineering in Electrical Engineering of Rajiv Gandhi College of Engineering conferred by Savitribai Phule Pune University, Pune 411007.

Soumit
PROF. GATH S.P.
(Project Guide)

Soumit
PROF. GATH S.P.

(Head of Department)
HOD

Electrical Engineering Department
R.G.C.O.E., Karjule Harya

PROF. M.P. NAGARKAR

PRINCIPAL

(Rajiv Gandhi College of Engineering)

Rajiv Gandhi College of Engineering
Karjule Harya, Tal. Parner, Dist. Ahmager

[Signature]
1.5.2023
EXTERNAL EXAMINOR

Date:-

Place:- Rajiv Ghandhi College of Engineering, Karjule Harya



A
PROJECT REPORT
ON
**“IOT BASED MONITORING AND CONTROLLING OF
SUBSTATION EQUIPMENT”**

SUBMITTED
TO
THE SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE 411007
IN PARTIAL FULFILLMENT OF THE REQUIREMENTS OF DEGREE OF
B.E. ELECTRICAL ENGINEERING

BY

NAME	EXAM SEAT NO.
Mr. ZOND PRAVIN SAHEBRAO.	B191132533.
Mr. PALDE MOHAN ATMARAM.	B191132521.

UNDER THE GUIDENCE OF
PROF.Mr. GATH S.P.



DEPARTMENT OF ELECTRICAL ENGINEERING
RAJIV GANDHI COLLEGE OF ENGINEERING, KARJULE HARYA,
TALUKA PARNER AHAMADNAGAR

2022-23

DEPARTMENT OF ELECTRICAL ENGINEERING
RAJIV GANDHI COLLEGE OF ENGINEERING, KARJULE HARYA,
TAL. - PARNER,AHMEDNAGAR

CERTIFICATE



This is to certify that the Project Work entitled
**“IOT BASED MONITORING AND CONTROLLING OF
SUBSTATION EQUIPMENT”**

Submitted by

NAME

EXAM SEAT NO.

Mr. ZOND PRAVIN S.

B191132533.

Mr. PALDE MOHAN A.

B191132521.

This project report embodies the work carried out by candidates, towards the partial fulfilment of Bachelor of Engineering in Electrical Engineering of Rajiv Gandhi College of Engineering conferred by Savitribai Phule Pune University, Pune 411007.

Mr. PROF. GATH S.P.

(Project Guide) & (Head of Department)

HOD
Electrical Engineering Department
R.G.C.E., Karjule Harya

1.6.2023

EXTERNAL EXAMINOR

Mr. Prof. M.P. NAGARKAR

PRINCIPAL

(Rajiv Gandhi College of Engineering)

Rajiv Gandhi College of Engineering
Karjule Harya, Tal. Parner, Dist. A.Nagar



A PROJECT STAGE II REPORT
ON
“Ultra Isolation”

SUBMITTED TO
The Savitribai Phule Pune University, Pune 411007
In partial fulfilment of the requirement of degree of B.E.
Electrical Engineering

BY
Kamble Shruti R. (B191132516)
Gangurde Vivek C. (B191132511)
Halnor Nilesh S. (B191132513)
Donde Sahil P. (B191132508)

Under the Guidance of
Prof. GATH SANDIP



Department of Electrical Engineering
Rajiv Gandhi College of Engineering, Karjule Harya,
Taluka - Parner, Ahmednagar 2022-2023
Department of Electrical Engineering
Rajiv Gandhi College of Engineering, Karjule Harya,
Taluka - Parner, Ahmednagar

CERTIFICATE

This is to Certify That Project Stage II Report Entitled

“Ultra Isolation”

Submitted by

Kamble Shruti R. (B191132516)

Gangurde Vivek C. (B191132511)

Halnor Nilesh S. (B191132513)

Donde Sahil P. (B191132508)

This project embodies the work carried out by candidates, towards the partial fulfilment of Bachelor of Engineering in **Electrical Engineering** of **Rajiv Gandhi College of Engineering** conferred by Savitribai Phule Pune University, Pune 411007.


PROF. GATH SANDIP
(Project Guide)


PROF. GATH SANDIP
(H.O.D)


EXTERNAL EXAMINOR


PROF. M.P. NAGARKAR
(PRINCIPAL)

Rajiv Gandhi College of Engineering
Karjule Harya, Tal. Pamer, Dist. Amargwa

Date:-

Place:-Rajiv Gandhi College of Engineering, Karjule Harya

A
PROJECT REPORT
ON

“Power generation From Rolling Mechanism”

SUBMITTED
TO

THE SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE 411007
IN PARTIAL FULFILLMENT OF THE REQUIREMENTS OF DEGREE OF
B.E. ELECTRICAL ENGINEERING

BY

- Omkar Shinde Exam Seat No. B191132528
- Sahil Pawar Exam Seat No. B191132522
- Sujit Sonawane Exam Seat No. B191132530
- Saurabh Gaikwad Exam Seat No. B191132509

UNDER THE GUIDANCE OF
PROF. GATH S. P.



DEPARTMENT OF ELECTRICAL ENGINEERING
RAJIV GANDHI COLLEGE OF ENGINEERING, KARJULE HARVA,
TALUKA- PARNER, AHAMADNAGAR

2022-2023

DEPARTMENT OF ELECTRICAL ENGINEERING
RAJIV GANDHI COLLEGE OF ENGINEERING, KARJULE HARYA,
TALUKA- PARNER, AHAMADNAGAR

Certificate

This is to certify that the Project Work entitled


“Power generation From Rolling Mechanism”


Submitted by:-

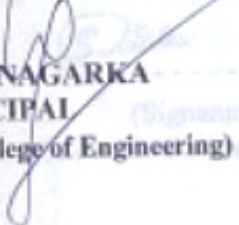
- Omkar Shinde Exam Seat No. B191132528
- Sahil Pawar Exam Seat No. B191132522
- Sujit Sonawane Exam Seat No. B191132530
- Saurabh Gaikwad Exam Seat No. B191132509

This project report embodies the work carried out by candidates, towards the partial fulfillment of Bachelor of Engineering in Electrical Engineering of Rajiv Gandhi College of Engineering conferred by Savitribai Phule Pune University, Pune 411007.


PROF. GATH S.P.
(Project Guide)


1.6.2023
EXTERNAL EXAMINOR


PROF. GATH S.P.
(Head of Department)
Electrical Engineering Department
R.G.C.E., Karjule Haryana


PROF. M.P. NAGARKA
PRINCIPAL
(Rajiv Gandhi College of Engineering)

Date:-
Place:- Rajiv Ghandhi College of Engineering, Karjule Harya

A PROJECT REPORT ON
**“AUTOMATIC POWER FACTOR COMPENSATION
BY USING ARDUINO (APFC)”**

SUBMITTED TO

THE SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE 411007 IN PARTIAL
FULFILLMENT OF THE REQUIREMENTS OF DEGREE OF B.E. ELECTRICAL
ENGINEERING BY

NAME
JADHAV AMOL KISHOR
KHEDKAR SHUBHAM SOPAN
BHALDAND UMESH GORAKSHANATH
TIRLOSKAR YASH AJAY

EXAM SEAT NO.
B191132515
B191132517
B191132505
B191132532

UNDER THE GUIDENCE OF
PROF. Mr. GHAT SANDEEP



DEPARTMENT OF ELECTRICAL ENGINEERING
RAJIV GANDHI COLLEGE OF ENGINEERING, KARJULE HARYA,
TALUKA PARNER AHMEDNAGAR

2022-23

DEPARTMENT OF ELECTRICAL ENGINEERING
RAJIV GANDHI COLLEGE OF ENGINEERING, KARJULE HARYA,
TAL – PARNER, AHMEDNAGAR

Certificate



This is to certify that the Project Work entitled
**“AUTOMATIC POWER FACTOR COMPENSATION BY
USING ARDUINO (APFC)”**

Submitted by

NAME	EXAM SEAT NO.
JADHAV AMOL KISHOR	B191132515
KHEDKAR SHUBHAM SOPAN	B191132517
BHALDAND UMESH GORAKSHANATH	B191132505
TIRLOSAR YASH AJAY	B191132532

This project report embodies the work carried out by candidates, towards the partial fulfillment of Bachelor of Engineering in **Electrical Engineering** of **Rajiv Gandhi College of Engineering** conferred by Savitribai Phule Pune University, Pune 411007.

Suif
PROF. GATHS.P.
(Project Guide)
Department)

Suif
PROF. GATHS.P.
(Head of Dept.)
Electrical Engineering Department
RGCCE, Karjule Harya

[Signature]
1.6.2023
EXTERNAL EXAMINOR

[Signature]
PRINCIPAL
(Rajiv Gandhi College of Engineering)



PRINCIPAL
Rajiv Gandhi College of Engineering
Karjule Harya, Tal. Parner, Dist. Ahmednagar

A
PROJECT REPORT
ON

"IOT BASED MOTOR MONITORING SYSTEM"

SUBMITTED

TO

THE SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE 411007
IN PARTIAL FULFILLMENT OF THE REQUIREMENTS OF DEGREE OF
B.E. ELECTRICAL ENGINEERING

BY

- Ingle Gayatri R.
- Bhagwat Hrushikesh R.
- Dagade Pranav D.
- Bairagi Rohan M.

Exam Seat No: B191132514

Exam Seat No: B191132504

Exam Seat No: B191132507

Exam Seat No: B191132503

Exam Seat No: B191132502

UNDER THE GUIDANCE OF

PROF.GATH S. P.



DEPARTMENT OF ELECTRICAL ENGINEERING
RAJIV GANDHI COLLEGE OF ENGINEERING, KARJULE HARYA,
TALUKA- PARNER, AHAMADNAGAR

2022-2023

EXAMINER'S CERTIFICATE
DEPARTMENT OF ELECTRICAL ENGINEERING
RAJIV GANDHI COLLEGE OF ENGINEERING, KARJULE HARYA,
TALUKA- PARNER, AHAMADNAGAR

Submitting Report entitled "IOT BASED MOTOR MONITORING SYSTEM" in
the partial fulfillment of the requirements for the award of degree of Bachelor of
Engineering in Electrical Engineering of Savitribai Phule Pune University, Pune.

Certificate

This is to certify that the Project Work entitled,
"IOT BASED MOTOR MONITORING SYSTEM"

INTERNAL EXAMINER

EXTERNAL EXAMINER

Submitted by:-

- | | |
|-------------------------|--------------------------|
| • Ingle Gayatri R. | Exam Seat No: B191132514 |
| • Bhagwat Hrushikesh R. | Exam Seat No: B191132504 |
| • Dagade Pranav D. | Exam Seat No: B191132507 |
| • Bairagi Rohan M. | Exam Seat No: B191132503 |

This project report embodies the work carried out by candidates, towards the partial fulfillment of Bachelor of Engineering in Electrical Engineering of Rajiv Gandhi College of Engineering conferred by Savitribai Phule Pune University, Pune 411007.

Suip

PROF.GATH S. P.
(Project Guide)

Suip

PROF. GATH S. P.
(Head of Department)

Suip
1.6.2023
EXTERNAL EXAMINOR

Date:- 01/06/2023

Place:- Karjule
Karjule - Parnar



W
PRINCIPAL
Dr.M.P.NAGARKAR
(Rajiv Gandhi College of Engineering)

PRINCIPAL
Rajiv Gandhi College of Engineering
Karjule Harya, Tal. Parnar, Dist. A. Nagar

A
PROJECT REPORT

ON

“IOT based smart energy meter”

SUBMITTED

TO

THE SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE 411007

IN PARTIAL FULFILLMENT OF THE REQUIREMENTS OF DEGREE OF

B.E. ELECTRICAL ENGINEERING

BY

NAME	EXAM SEAT NO.
Mr. MUNDHE VIKRAM ROHIDAS	B191132502.
Mr. MANDLIK VRUSHABH NIVRUTTI	B191132519.
Ms. RAUTRAO NIKITA SANJAY	B191132524.
Ms. BHOSALE DIVYA YUVRAJ	B191132506.

UNDER THE GUIDENCE OF
PROF. Mr. GATH S.P.



DEPARTMENT OF ELECTRICAL ENGINEERING
RAJIV GANDHI COLLEGE OF ENGINEERING, KARJULE HARYA,
TALUKA PARNER AHAMADNAGAR

2022-23

Page 1 of

Certificate

This is to certify that the Project Work entitled
IOT based smart energy meter
Submitted by

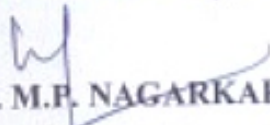
NAME	EXAM SEAT NO.
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Ms. BHOSALE DIVYA YUVRAJ	B191132506.

This project report embodies the work carried out by candidates, towards the partial fulfilment of Bachelor of Engineering in Electrical Engineering of Rajiv Gandhi College of Engineering conferred by Savitribai Phule Pune University, Pune 411007.


Mr. PROF. GATH S.P.

(Project Guide) & (Head of Department)

Electrical Engineering Department
R.G.C.O.E., Karjule Harya


Mr. Prof. M.P. NAGARKAR

PRINCIPAL (Rajiv Gandhi College of Engineering)

PRINCIPAL
Rajiv Gandhi College of Engineering
Karjule Harya, Tal. Pamer, Dist. A. Nagar


1.6.2023
EXTERNAL EXAMINOR

Date: 01/06/2023

Place: Karjule Harya

A
PROJECT STAGE-II
REPORT ON

**“MACHINE LEARNING-BASED PREDICTION OF AIR QUALITY
INDEX THROUGH REGRESSION MODEL”**

SUBMITTED TO THE SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE IN
THE PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE
AWARD OF THE DEGREE

OF

BACHELOR OF ENGINEERING (COMPUTERENGINEERING)

SUBMITTED BY

- | | |
|--------------------------|--------------------|
| 1) MR. AVHAD PRATIK A. | SEAT NO-B191134202 |
| 2) MR. KALE DHANANJAY P. | SEAT NO-B191134211 |
| 3) MR. ZANJE SAURABH D. | SEAT NO-B191134234 |
| 4) MR. THAPA YASH S. | SEAT NO-B191134231 |

Guided By:

Prof. Wakekar A. L.



DEPARTMENT OF COMPUTER ENGINEERING
RAJIV GANDHI COLLEGE OF ENGINEERING, KARJULE HARYA
AHMEDNAGAR

SAVITRIBAI PHULE PUNE UNIVERSITY
2022 - 2023



CERTIFICATE

This is to certify that the project report entitles

“Machine Learning-Based Prediction of Air Quality Index through Regression Model”

Submitted by

- | | |
|--------------------------|--------------------|
| 1) MR. AVHAD PRATIK A. | SEAT NO-B191134202 |
| 2) MR. KALE DHANANJAY P. | SEAT NO-B191134211 |
| 3) MR. ZANJE SAURABH D. | SEAT NO-B191134234 |
| 4) MR. THAPA YASH S. | SEAT NO-B191134231 |

is a bonafide work carried out by them under the supervision of **Prof. Wakekar A. L.** 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)**. This project work has not been earlier submitted to any other Institute or University for the award of any degree.


Prof. Wakekar A.L.

Guide

Department of Computer Engineering


Prof. Wakekar A.L.

HOD

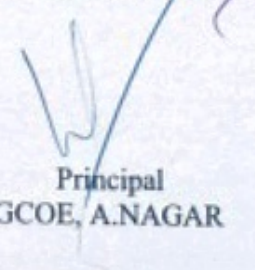
Department of Computer Engineering
Rajiv Gandhi College of Engineering

H.O.D.

Computer Department
Rajiv Gandhi College of Engineering

Date: 20/05/23


External Examiner


Principal
RGCOE, A.NAGAR

A PROJECT STAGE-II
REPORT ON

**“Advanced Prediction Technique for Indian Wine
Quality Using Multi-classifier Approach”**

SUBMITTED TO THE SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE IN
THE PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE
AWARD OF THE DEGREE

OF

BACHELOR OF ENGINEERING (COMPUTER ENGINEERING)

SUBMITTED BY

Miss. WAGHOLE PRADNYA

PRNNNo:72177122L

Mr. NARODE SWARNIL

PRNNNo:72177110G

Mr. SHINDE SUDARSHAN

PRNNNo:72177119L

Mr. SHINDE PRAVIN

PRNNNo:72177118B

Guided By :

Mrs.Lingampalli P.V.



DEPARTMENT OF COMPUTER ENGINEERING
RAJIV GANDHI COLLEGE OF ENGINEERING, KARJULE HARYA
AHMEDNAGAR

SAVITRIBAI PHULE PUNE UNIVERSITY
2022 - 2023



CERTIFICATE

This is to certify that the project report entitles
**“Advanced Prediction Technique for Indian Wine
Quality Using Multi-classifier Approach”**

Submitted by

Miss. WAGHOLE PRADNYA

PRN No: 72177122L

Mr. NARODE SWAPNIL

PRN No: 72177110G


Mr. SHINDE SUDARSHAN

PRN No: 72177119L

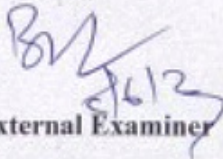
Mr. SHINDE PRAVIN

PRN No: 72177118B

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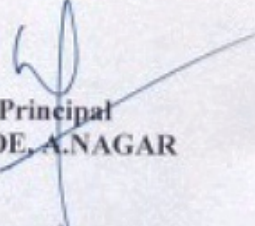

Mrs.Lingampalli P.V.

Guide
Department of Computer Engineering


External Examiner


Prof. Wakekar A.L.

H.O.D.
Department of Computer Engineering
Rajiv Gandhi College of Engineering
Place: Karjule Harya, Ahmednagar.
Date:


Principal
RGCOE, A.NAGAR

A
REPORT ON

**"DESIGNING AND DEVELOPMENT OF IMPROVED MODEL FOR EARLY DETECTION
OF DEPRESSION DISEASE FROM SOCIAL NETWORK DATA USING MODIFIED
CLASSIFIER ML APPROACH"**

SUBMITTED TO THE SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE IN
THE PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE
AWARD OF THE DEGREE

OF

BACHELOR OF ENGINEERING (COMPUTER ENGINEERING)

SUBMITTED BY

NAME	SEAT NO.
Miss. Ringe Akshata S.	B191134225
Miss. Shinde Tejaswini D.	B191134232
Miss. Zurule Krushnalata S.	B191134235
Mr. Patil Omkar M.	B191134224

Guided By:

Prof. Unde S.P.



DEPARTMENT OF COMPUTER ENGINEERING
RAJIV GANDHI COLLEGE OF ENGINEERING, KARIJULE HARYA
AHMEDNAGAR
SAVITRIBAI PHULE PUNE UNIVERSITY
2022 - 2023



CERTIFICATE

This is to certify that the project report entitles

"DESIGNING AND DEVELOPMENT OF IMPROVED MODEL FOR EARLY DETECTION OF DEPRESSION DISEASE FROM SOCIAL NETWORK DATA USING MODIFIED CLASSIFIER ML APPROACH"

Submitted by

Miss. Ringe Akshata S.	B191134225
Miss. Shinde Tejaswini D.	B191134232
Miss. Zurule Krushnalata S.	B191134235
Mr. Patil Omkar M.	B191134224

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Prof. Unde S.P.
Guide

Department of Computer Engineering


Prof. Wakekar A.L.
HOD

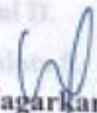
Department of Computer Engineering

Computer Department
Rajiv Gandhi College of Engineering

Date:


G. Kart:

External Examiner


Dr. Nagarkar M.P.
Principal
RGCOE, A. NAGAR

PRINCIPAL

Rajiv Gandhi College of Engineering
Karjule Harya, Tal. Pamer, Dist. A. Nagar

RAJIV GANDHI COLLEGE OF ENGINEERING
A PROJECT REPORT ON
SIGNATURE VERIFICATION USING CNN

SUBMITTED TO THE SAVITRIBAI PHULE PUNE
UNIVERSITY, PUNE IN PARTIAL FULFILLMENT OF THE
REQUIREMENTS
FOR THE AWARD OF THE DEGREE

BACHELOR OF ENGINEERING

In

COMPUTER ENGINEERING

Of

SAVITRIBAI PHULE PUNE UNIVERSITY

By

MR. MHASKE HRISHIKESH D.	Exam Seat No: B191134216
MR. BHALERAO RUSHIKESH K.	Exam Seat No: B191134203
MR. WALKE SANKET D.	Exam Seat No: B191134233
MR. GHOLAP VAIBHAV Y.	Exam Seat No: B191134209

Under the guidance of

PROF. LINGAMPALLI.P.V.



DEPARTMENT OF COMPUTER ENGINEERING
RAJIV GANDHI COLLEGE OF ENGINEERING

Karjule Harya, Tal-Parner, Dist-Ahmednagar 414304

2022-23

RAJIV GANDHI COLLEGE OF ENGINEERING
karjule Harya, Tal-Parner, Dist- Ahmednagar 414304



CERTIFICATE

This is to certify that the project report entitled

"Signature Verification using CNN"

Submitted by

MR. MHASKE HRISHIKESH D.	Exam Seat No : B191134216
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Is a bonafide work carried out by them under the supervision of Prof. Lingampalli .P.V. and it is approved for the partial fulfillment of the requirements of Savitribai Phule Pune University, Pune for the award of the degree of Bachelor of Engineering (Computer Engineering) during the year 2022-23.

Date:

Place:

Project Guide

Prof. Lingampalli .P.V.

External Examiner

Head of Department

Prof. Wakekar.A.L.

H.O.D.

Computer Department

Rajiv Gandhi College of Engineering



Principal

Dr. Nagarkar M. P.

A PROJECT REPORT ON
SIGNATURE VERIFICATION USING CNN

SUBMITTED TO THE SAVITRIBAI PHULE PUNE
UNIVERSITY, PUNE IN PARTIAL FULFILLMENT OF THE
REQUIREMENTS
FOR THE AWARD OF THE DEGREE

BACHELOR OF ENGINEERING

In

COMPUTER ENGINEERING

Of

SAVITRIBAI PHULE PUNE UNIVERSITY

By

MR. MHASKE HRISHIKESH D.

Exam Seat No: B191134216

MR. BHALERAO RUSHIKESH K.

Exam Seat No: B191134203

MR. WALKE SANKET D.

Exam Seat No: B191134233

MR. GHOLAP VAIBHAV Y.

Exam Seat No: B191134209

Under the guidance of

PROF. LINGAMPALLI.P.V.



DEPARTMENT OF COMPUTER ENGINEERING
RAJIV GANDHI COLLEGE OF ENGINEERING

Karjule Harya, Tal-Parner, Dist-Ahmednagar 414304

2022-23

RAJIV GANDHI COLLEGE OF ENGINEERING
karjule Harya, Tal-Parner, Dist- Ahmednagar 414304



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Date:

Place:

Project Guide

Prof. Lingampalli .P.V.

External Examiner

Head of Department

Prof. Wakekar.A.L

H.O.D.

Computer Department

Rajiv Gandhi College of Engineering



College Seal

Principal

Dr. Nagarkar M. P.



A Project Stage II Report

on

Secure Online Payments For Institute using Blockchain and Cloud

By

1. Mr. Mulekar Nikesh R .

Seat No. **B191134217**

2. Mr. Agale Vijay T.

Seat No. **B191134201**

3. Mr. Kolpe Ramdas D.

Seat No. **B191134214**

4. Mr. Matkar Santosh S.

Seat No. **B191134215**

Guide

Prof. Wakekar A L



Department of Computer Engineering

Rajiv Gandhi College of Engineering
Karjule Harya ,Tal-Parner ,Dist-Ahmednagar 414304
(2022-2023)

Rajiv Gandhi College of Engineering

Karjule Harya, Tal. Parner, Dist. Ahmednagar 414 304



CERTIFICATE

This is to certify that

Mr. Mulekar Nikesh R. (B191134217)

Mr. Agale Vijay T. (B191134201)

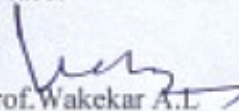
Mr. Kolpe Ramdas D. (B191134214)

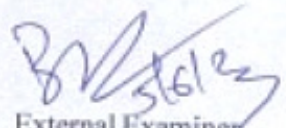
Mr. Matkar Santosh S. (B191134215)

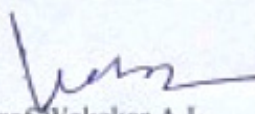
has successfully completed the Project Stage I entitled "Secure Online Payments for institute using Blockchain and cloud" under my supervision, in the partial fulfillment of Bachelor of Engineering- Mechanical Engineering of Savitribai Phule Pune University.

Date:

Place:



Prof. Wakekar A.L.
Project Guide


External Examiner


Prof. Wakekar A.L.
Head of Department

H.O.D.
Computer Department
Rajiv Gandhi College of Engineering

College Seal


Dr. Nigarkar M.P.
Principle
RGCOE, Karjule Harya
PRINCIPAL
Rajiv Gandhi College of Engineering
Karjule Harya, Tal. Parner, Dist. A. Nagar



A Project Stage II Report

on

Secure Online Payments For Institute using Blockchain and Cloud

By

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Seat No. **B191134201**

3. Mr. Kolpe Ramdas D.

Seat No. **B191134214**

4. Mr. Matkar Santosh S.

Seat No. **B191134215**

Guide

Prof. Wakekar A L



Department of Computer Engineering

Rajiv Gandhi College of Engineering
Karjule Harya ,Tal-Parner ,Dist-Ahmednagar 414304
(2022-2023)

Rajiv Gandhi College of Engineering

Karjule Harya, Tal. Parner, Dist. Ahmednagar 414 304



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Mr. Agale Vijay T. (B191134201)

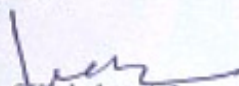
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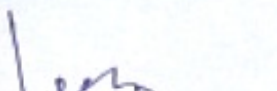
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Date:

Place:

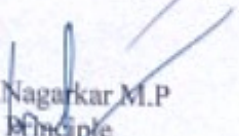

Prof. Wakekar A.L.
Project Guide


External Examiner


Prof. Wakekar A.L.
Head of Department

H.O.D.
Computer Department
Rajiv Gandhi College of Engineering

College Seal


Dr. Nagarkar M.P.
Principal
RGCOE, Karjule Harya
PRINCIPAL
Rajiv Gandhi College of Engineering
Karjule Harya, Tal. Parner, Dist. Ahmednagar

A
PROJECT STAGE-II
REPORT ON

“NEW APPROACH FOR PREDICTION OF UNDERWATER SURFACE TARGET THROUGH
SONAR BY USING ADVANCED CLASSIFICATION TECHNIQUE”

SUBMITTED TO THE SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE IN
THE PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE
AWARD OF THE DEGREE

OF
BACHELOR OF ENGINEERING (COMPUTER ENGINEERING)

SUBMITTED BY

Mr. Patel Shakir
Mr. Narlawar Yogesh
Mr. Karande Akshay
Miss. Nirbhawane Rohini

PRN No: 72177112C
PRN No: 72177109C
PRN No: 72177196B
PRN No: 72177111E

Guided By:
Miss.Unde S.P.



DEPARTMENT OF COMPUTER ENGINEERING
RAJIV GANDHI COLLEGE OF ENGINEERING ,KARJULE HARYA
AHMEDNAGAR

SAVITRIBAI PHULE PUNE UNIVERSITY
2022 - 2023



CERTIFICATE

This is to certify that the project report entitles

**"NEW APPROACH FOR PREDICTION OF UNDERWATER SURFACE TARGET THROUGH
SONAR BY USING ADVANCED CLASSIFICATION TECHNIQUE"**

Submitted by

Mr. Patel Shakir

PRN No: 72177112C

Mr. Narlawar Yogesh

PRN No: 72177109C

Mr. Karande Akshay

PRN No: 72177196B

Miss.Nirbhawane Rohini

PRN No: 72177111E

Is a bonafide work carried out by them under the supervision of **Miss.Unde S.P.** 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). This project work has not been earlier submitted to any other Institute or University for the award of any degree.

Miss.Unde S.P.

Guide

Department of Computer Engineering

Prof. Wakekar A.L.
HOD

Department of Computer Engineering

Place: Karjule Harya, Ahmednagar.

Date:

H.O.D.
Computer Department
Rajiv Gandhi College of Engineering

External Examiner

Principal
RGCOE, AHNAGAR

Principal
R G COE, Karjule Harya.

A PROJECT REPORT ON
“NEURAL DEEP CODE SEARCH”

SUBMITTED TO THE SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE
IN PARTIAL FULFILMENT OF THE REQUIREMENTS
FOR THE AWARD OF THE DEGREE
OF

BACHELOR OF ENGINEERING (COMPUTER ENGINEERING)

SUBMITTED BY

Mr. DHONGE SANDESH R	PRN No: 72177099B
Mr. GADKAR KOMAL V	PRN No: 72177100K
Mr. KANAWADE HARSHAL R	PRN No: 72177104B
Mr. PATHAVE PARSHURAM S	PRN No: 72177113M

UNDER THE GUIDANCE OF

Asst. Prof. Unde S. P.



DEPARTMENT OF COMPUTER ENGINEERING

Rajiv Gandhi College Of Engineering

Karjule Harya, Tel. Parner, Dist. Ahmednagar (MS) India

2022-2023



DEPARTMENT OF COMPUTER ENGINEERING

Rajiv Gandhi College Of Engineering

Karjule Harya, Tel. Parner, Dist. Ahmednagar (MS) India

CERTIFICATE

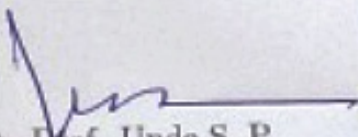
This is to certify that report on

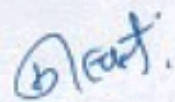
“NEURAL DEEP CODE SEARCH”

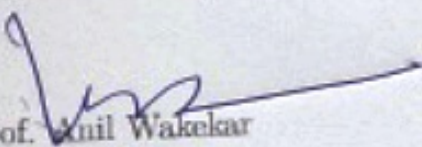
Submitted By

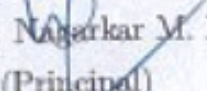
Mr. DHONGE SANDESH R	PRN No: 72177099B
Mr. GADKAR KOMAL V	PRN No: 72177100K
Mr. KANAWADE HARSHAL R	PRN No: 72177104B
Mr. PATHAVE PARSHURAM S	PRN No: 72177113M

has completed Report on the problem Defination/Semester VIII Project Report/Final Report


Asst. Prof. Unde S. P.
(Internal Guide)


(External Examiner)


Prof. Anil Wakelkar
(H.O.D.)
Computer Department
Rajiv Gandhi College of Engineering


Prof. Nagarkar M. P.
(Principal)
PRINCIPAL
Rajiv Gandhi College of Engineering
Karjule Harya, Tel. Parner, Dist. A. Nagar

A Project Stage II Report

on

**“Comparative analysis of customer Small Business Finance
loan approval prediction using Multiclassifier ML
Technique”**

SUBMITTED TO THE SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE IN THE
PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE AWARD OF
THE DEGREE

BACHELOR OF ENGINEERING (COMPUTER ENGINEERING)

SUBMITTED BY

Miss.Nakil Saiyukta G. Seat No. B191134218

Miss. Chintenwar Sonali B. Seat No. B191134206

Miss. Chavan Nupur S. Seat No. B191134204

Project Guide

Prof. Wakekar A.L.



Department of Computer Engineering
Rajiv Gandhi College of Engineering
Karjule Harya, Tal. Parner, Dist. Ahmednagar 414 304
[2022-2023]

Rajiv Gandhi College of Engineering

Karjule Harya, Tal. Parner, Dist. Ahmednagar 414 304



CERTIFICATE

This is to certify that

Miss.Nakil Saiyukta G. Seat No. B191134218

Miss. Chintenwar Sonali B Seat No. B191134206

Miss. Chavan Nupur S. Seat No. B191134204

has successfully completed the Project Stage II entitled “Comparative analysis of Customer Small Business Finance loan approval prediction using Multiclassifier ML Technique” under my supervision, in the partial fulfillment of Bachelor of Engineering- Mechanical Engineering of Savitribai Phule Pune University.

Date:

Place:

Prof. Wakekar A.L.

Project Guide

Prof. Wakekar A.L.

Head of Department

H.O.D.

Computer Department

Rajiv Gandhi College of Engineering



College Seal

External Examiner

Dr. M.P. Nagarkar

Principal

RGCOE, Karjule Harya

PRINCIPAL

Rajiv Gandhi College of Engineering
Karjule Harya, Tal. Parner, Dist. Ahmednagar

A Project Stage II Report

on

**“Comparative analysis of customer Small Business Finance
loan approval prediction using Multiclassifier ML
Technique”**

SUBMITTED TO THE SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE IN THE
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Project Guide

Prof. Wakekar A.L.



Department of Computer Engineering
Rajiv Gandhi College of Engineering
Karjule Harya, Tal. Parner, Dist. Ahmednagar 414 304
[2022-2023]

Rajiv Gandhi College of Engineering

Karjule Harya, Tal. Parner, Dist. Ahmednagar 414 304



CERTIFICATE

This is to certify that

Miss. Nakil Saiyukta G. Seat No. B191134218

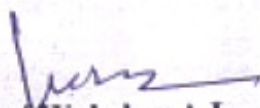
Miss. Chintenwar Sonali B Seat No. B191134206

Miss. Chavan Nupur S. Seat No. B191134204

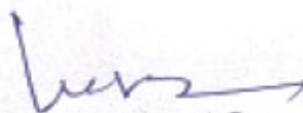
has successfully completed the Project Stage II entitled "**Comparative analysis of Customer Small Business Finance loan approval prediction using Multiclassifier ML Technique**" under my supervision, in the partial fulfillment of Bachelor of Engineering- Mechanical Engineering of Savitribai Phule Pune University.

Date:

Place:


Prof. Wakekar A.L.

Project Guide

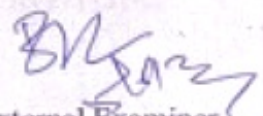

Prof. Wakekar A.L.

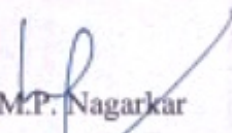
Head of Department

H.O.D.
Computer Department
Rajiv Gandhi College of Engineering



College Seal


External Examiner


Dr. M.P. Nagarkar
Principal
RGCOE, Karjule Harya

PRINCIPAL
Rajiv Gandhi College of Engineering
Karjule Harya, Tal. Parner, Dist. Ahmednagar

A
PROJECT STAGE-II
REPORT ON

**“MACHINE LEARNING-BASED PREDICTION OF AIR QUALITY
INDEX THROUGH REGRESSION MODEL”**

SUBMITTED TO THE SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE IN
THE PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE
AWARD OF THE DEGREE

OF
BACHELOR OF ENGINEERING (COMPUTERENGINEERING)

SUBMITTED BY

- | | |
|--------------------------|--------------------|
| 1) MR. AVHAD PRATIK A. | SEAT NO-B191134202 |
| 2) MR. KALE DHANANJAY P. | SEAT NO-B191134211 |
| 3) MR. ZANJE SAURABH D. | SEAT NO-B191134234 |
| 4) MR. THAPA YASH S. | SEAT NO-B191134231 |

Guided By:

Prof. Wakekar A. L.



DEPARTMENT OF COMPUTER ENGINEERING
RAJIV GANDHI COLLEGE OF ENGINEERING, KARJULE HARYA
AHMEDNAGAR

SAVITRIBAI PHULE PUNE UNIVERSITY
2022 - 2023



CERTIFICATE

This is to certify that the project report entitles

“Machine Learning-Based Prediction of Air Quality Index through Regression Model”

Submitted by

- | | |
|--------------------------|--------------------|
| 1) MR. AVHAD PRATIK A. | SEAT NO-B191134202 |
| 2) MR. KALE DHANANJAY P. | SEAT NO-B191134211 |
| 3) MR. ZANJE SAURABH D. | SEAT NO-B191134234 |
| 4) MR. THAPA YASH S. | SEAT NO-B191134231 |

is a bonafide work carried out by them under the supervision of **Prof. Wakekar A. L.** 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)**. This project work has not been earlier submitted to any other Institute or University for the award of any degree.


Prof. Wakekar A.L.

Guide

Department of Computer Engineering


Prof. Wakekar A.L.

HOD

Department of Computer Engineering
Rajiv Gandhi College of Engineering


External Examiner


Principal
RGCOE, A.NAGAR

H.O.D.
Date: 17/07/2023
Place: Computer Department
Rajiv Gandhi College of Engineering

A PROJECT REPORT ON
“NEURAL DEEP CODE SEARCH”

SUBMITTED TO THE SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE
IN PARTIAL FULFILMENT OF THE REQUIREMENTS
FOR THE AWARD OF THE DEGREE
OF

BACHELOR OF ENGINEERING (COMPUTER ENGINEERING)

SUBMITTED BY

Mr. DHONGE SANDESH R	PRN No: 72177099B
Mr. GADKAR KOMAL V	PRN No: 72177100K
Mr. KANAWADE HARSHAL R	PRN No: 72177104B
Mr. PATHAVE PARSHURAM S	PRN No: 72177113M

UNDER THE GUIDANCE OF

Asst. Prof. Unde S. P.



DEPARTMENT OF COMPUTER ENGINEERING

Rajiv Gandhi College Of Engineering

Karjule Harya, Tel. Parner, Dist. Ahmednagar (MS) India

2022-2023



DEPARTMENT OF COMPUTER ENGINEERING

Rajiv Gandhi College Of Engineering
Karjule Harya, Tel. Parner, Dist. Ahmednagar (MS) India

CERTIFICATE

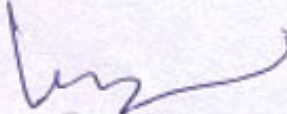
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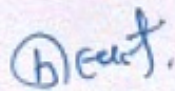
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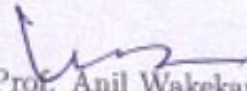
Submitted By

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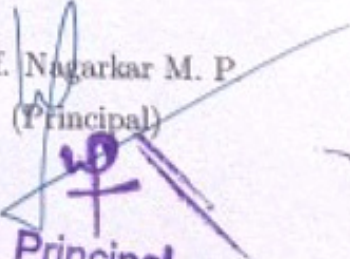
has completed Report on the problem Defination/Semester VIII Project Report/Final Report


Asst. Prof. Unde S. P.
(Internal Guide)


(External Examiner)


Prof. Anil Wakekar
(H.O.D)

H.O.D.
Computer Department
Rajiv Gandhi College of Engineering


Prof. Nagarkar M. P.
(Principal)
Principal
R G COE, Karjule Harya.

A PROJECT STAGE-II
REPORT ON

**“Advanced Prediction Technique for Indian Wine
Quality Using Multi-classifier Approach”**

SUBMITTED TO THE SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE IN
THE PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE
AWARD OF THE DEGREE

OF
BACHELOR OF ENGINEERING (COMPUTER ENGINEERING)

SUBMITTED BY

Miss. WAGHOLE PRADNYA

PRNNo:72177122L

Mr. NARODE SWAPNIL

PRNNo:72177110G

Mr. SHINDE SUDARSHAN

PRNNo:72177119L

Mr. SHINDE PRAVIN

PRNNo:72177118B

Guided By :

Mrs.Lingampalli P.V.



DEPARTMENT OF COMPUTER ENGINEERING
RAJIV GANDHI COLLEGE OF ENGINEERING, KARIJULE HARYA
AHMEDNAGAR

SAVITRIBAI PHULE PUNE UNIVERSITY
2022 - 2023



CERTIFICATE

This is to certify that the project report entitles

and effort **“Advanced Prediction Technique for Indian Wine Quality Using Multi-classifier Approach”**

Submitted by

Miss. WAGHOLE PRADNYA

PRN No: 72177122L

Mr. NARODE SWAPNIL

PRN No: 72177110G

Mr. SHINDE SUDARSHAN


PRN No: 72177119L

Mr. SHINDE PRAVIN

PRN No: 72177118B

We would also like to extend our sincere thanks to Principal Dr. Nagarhar M.P. for his dynamic and valuable guidance throughout the project and providing the necessary facilities

Is a bonafide work carried out by them under the supervision of Mrs.Lingampalli P.V. 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). This project work has not been earlier submitted to any other Institute or University for the award of any degree.


Mrs.Lingampalli P.V.

Guide
Department of Computer Engineering


External Examiner


Prof. Wakekar A.L.

H.O.D.
Computer Department
Department of Computer Engineering
Rajiv Gandhi College of Engineering

Principal
RGCCE, A.NAGAR

Place: Karjule Harya, Ahmednagar.

Date:

**A
PROJECT STAGE-II
REPORT ON**

**“NEW APPROACH FOR PREDICTION OF UNDERWATER SURFACE TARGET THROUGH
SONAR BY USING ADVANCED CLASSIFICATION TECHNIQUE”**

**SUBMITTED TO THE SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE IN
THE PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE
AWARD OF THE DEGREE**

OF

BACHELOR OF ENGINEERING (COMPUTER ENGINEERING)

SUBMITTED BY

Mr. Patel Shakir	PRN No: 72177112C
Mr. Narlawar Yogesh	PRN No: 72177109C
Mr. Karande Akshay	PRN No: 72177196B
Miss. Nirbhawane Rohini	PRN No: 72177111E

**Guided By:
Miss.Unde S.P.**



**DEPARTMENT OF COMPUTER ENGINEERING
RAJIV GANDHI COLLEGE OF ENGINEERING, KARJULE HARYA
AHMEDNAGAR**

**SAVITRIBAI PHULE PUNE UNIVERSITY
2022 - 2023**



CERTIFICATE

This is to certify that the project report entitles

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SONAR BY USING ADVANCED CLASSIFICATION TECHNIQUE"**

Submitted by

Mr. Patel Shakir

PRN No: 72177112C

Mr. Narlawar Yogesh

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Mr. Karande Akshay

PRN No: 72177196B

Miss.Nirbhawane Rohini

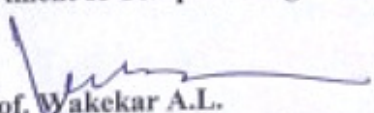
PRN No: 72177111E

Is a bonafide work carried out by them under the supervision of **Miss.Unde S.P.** 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). This project work has not been earlier submitted to any other Institute or University for the award of any degree.


Miss.Unde S.P.

Guide

Department of Computer Engineering


Prof. Wakekar A.L.
HOD

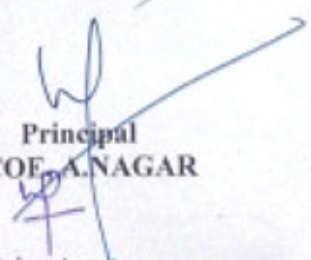
Department of Computer Engineering

Place: Karjule Harya, Ahmednagar.

Date:

H.O.D.
Computer Department
Rajiv Gandhi College of Engineering


External Examiner


Principal
RGCOE, A.NAGAR

Principal
R G COE, Karjule Harya.

A PRELIMINARY REPORT ON

Facial Emotion Recognition

SUBMITTED TO THE SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE IN THE PARTIAL
FULFILLMENT OF THE REQUIREMENT THE AWARD OF THE DEGREE

OF

BACHELOR OF ENGINEERING (COMPUTER ENGINEERING)

SUBMITTED BY

MR. PETE AJAY RAOSAHEB

EXAM NO:

MR. MAHADIK HARSHAL DADASAHEB

EXAM NO:

MR. JIVANLAL BHUSHAN DILIP

EXAM NO:

MISS. BHAGANAGARE VAISHNAVI VITTHAL EXAM NO:



DEPARTMENT OF COMPUTER ENGINEERING

RAJIV GANDHI COLLEGE OF ENGINEERING

KARJULE HARYA, TAL-PARNER, DIST-AHMEDNAGAR

SAVITRIBAI PHULE PUNE UNIVERSITY

2020-2021



CERTIFICATE

This is certify that the project report entitles
“Facial Emotion Recognition”

SUBMITTED BY

MR. PETE AJAY RAOSAHEB

MR. MAHADIK HARSHAL DADASAHEB

MR. JIVANLAL BHUSHAN DILIP

MISS. BHAGANAGARE VAISHNAVI VITTHAL

Is a bonafide student of this institute and the work has been carried out by him/her under the supervision of **Prof.....** 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.)

Guide

Department of Computer Engineering

(Prof.)

Head

Department of Computer Engineering

Place: Karjule Harya

(Prof.....)

External Examiner

(Dr.....)

Principal

Rajiv Gandhi College of Engineering

Date:

||

A PROJECT REPORT ON

MOUSE CURSOR CONTROL USING FACIAL MOVEMENT

SUBMITTED TO THE SAVITRIBAI PHULE PUNE
UNIVERSITY, PUNE IN PARTIAL FULFILLMENT OF THE
REQUIREMENTS
FOR THE AWARD OF THE DEGREE

BACHELOR OF ENGINEERING

In

COMPUTER ENGINEERING

Of

SAVITRIBAI PHULE UNIVERSITY

By

1. Mr. Kadu Rohan K.

Seat No. **B191134210**

2. Mr. Chavan Ritesh A.

Seat No. **B191134205**

3. Mrs. Sasane Rupali A.

Seat No. **B191134227**

4. Mr. Saindanshiv Pravin A.

Seat No. **B19134226**

Under the guidance of

PROF. LINGAMPALLI.P.V



Rajiv Gandhi College of Engineering
Karjule Harya, Tal. Parner, Dist. Ahmednagar 414 304



CERTIFICATE

This is to certify that

- Mr. Kadu Rohan K.(B191134210)**
- Mr. Chavan Ritesh A.(B191134205)**
- Mr. Sasane Rupali A.(B191134227)**
- Mr. Saindanshiv Pravin A.(B191134226)**

has successfully completed the Project Stage I entitled "Mouse Cursor Control Using Facial Movement" under my supervision, in the partial fulfillment of Bachelor of Engineering- Mechanical Engineering of Savitribai Phule Pune University.

Date:

Place:

Lingampalli P.V.
Project Guide

External Examiner

H.O.D.
Computer Department
Rajiv Gandhi College of Engineering

College Seal

PRINCIPAL

Rajiv Gandhi College of Engineering
Karjule Harya, Tal. Parner, Dist. Ahmednagar
RGCOE, Karjule Harya