



COLLEGE OF ENGINEERING & TECHNOLOGY

WAKSAI, LONAVALA (PUNE)  
NAAC Accredited  
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## CERTIFICATE

This is to certify that the Project report entitled  
**“Alert Generation on Detection of Suspicious Activity Using  
Deep Learning”**

Submitted by

Mayuri Sanjay Chavan

SEAT NO: B191214209

Aarti Machhindra Chavan

SEAT NO: B191214208

Pratiksha Vijay Chavan

SEAT NO: B191214210


Shejal Sanjay Pawar

SEAT NO: B191214228

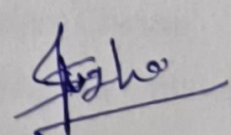
Under the supervision of **Prof. Rashmi S. Bhumbare** and it is submitted towards partial fulfilment of Bachelor of Engineering (Computer) of the requirement of Savitribai Phule Pune University, Pune.

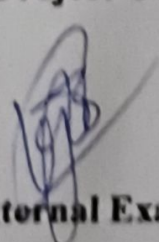
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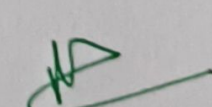
Place: LONAVALA

  
Prof. Rashmi S. Bhumbare  
Project Guide



  
Prof. Soni R. Ragho  
Head of Department

  
External Examiner

  
Dr. Manav A. Thakur  
Principal

Institute Seal



## CERTIFICATE

This is to certify that the Project report entitled  
**“Sign Language Gesture Recognition Using ML”**

Submitted by

Sanjivani Mukesh Jadhav

SEAT NO: B191214220

Gayatri Santosh Wasulkar

SEAT NO: B191214238

Vidya Ramhari Ghule

SEAT NO: B191214214

Aniket Tanaji Ghule

SEAT NO: B191214202

Under the supervision of Prof. Soni R Ragho and it is submitted towards partial fulfilment of Bachelor of Engineering (Computer) of the requirement of Savitribai Phule Pune University, Pune.

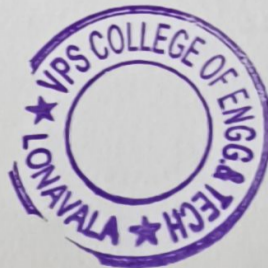
Date: 31-05-2024

Place: Lonavala

Prof. Soni R Ragho  
Project Guide

Prof. Soni R. Ragho  
Head of Department

External Examiner



Institute Seal

Dr. Manav A. Thakur  
Principal



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## CERTIFICATE

This is to certify that the Project report entitled

**“Vps/edu.com”**

Submitted by

**Sumit Dipak Nevase**

**SEAT NO: B191214223**

**Pranav Mukund Palkar**

**SEAT NO: B191214224**

**Makarand Vijay Goralkar**

**SEAT NO: B191214215**


**Aditya Patil**

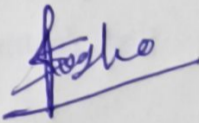
**SEAT NO: B191214225**


Under the supervision of **Prof. Rashmi S. Bhumbare** and it is submitted towards partial fulfilment of Bachelor of Engineering (Computer) of the requirement of Savitribai Phule Pune University, Pune.


Date: 31.05.2024

Place: Lonavale

  
Prof. Rashmi S. Bhumbare  
**Project Guide**

  
Prof. Soni R. Ragho  
**Head of Department**

  
**External Examiner**

  
Dr. Manav A. Thakur  
**Principal**





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## CERTIFICATE

This is to certify that the Project report entitled  
**“PERSONAL PROTECTIVE EQUIPMENT  
DETECTION”**

Submitted by

**Pratik Ujwal Haribhakta**

SEAT NO: B191214217

**Shubham Babu Raut**

SEAT NO: B191214231

**Bramhadev Goraksha Garud**

SEAT NO: B191214213

Under the supervision of **Prof. Priti Chorade** and it is submitted towards partial fulfilment of Bachelor of Engineering (Computer) of the requirement of Savitribai Phule Pune University, Pune.

Date: 31/05/2024

Place: Lonavala

Prof. Priti Chorade  
Project Guide

Prof. Soni R. Ragho  
Head of Department

External Examiner

Dr. Manav A. Thakur  
Principal





## CERTIFICATE

This is to certify that the Project report entitled  
**“CAMPUS PLACEMENT PREDICTION AND ANALYSIS”**

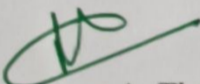
Submitted by

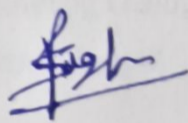
Rushikesh Dattatray Joshi	SEAT NO: B191214221
Vijay Sanjiv Shilwant	SEAT NO: B191214234
Roshan Pandurang Dandge	SEAT NO: B191214211
Shreyash Dinesh Rajput	SEAT NO: B191214230


Under the supervision of **Dr. Manav A. Thakur** and it is submitted towards partial fulfilment of Bachelor of Engineering (Computer) of the requirement of Savitribai Phule Pune University, Pune.

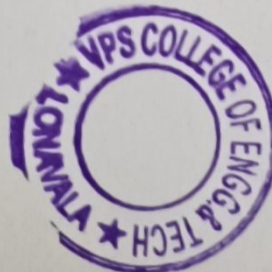
Date: 31-05-24

Place: Lonavala

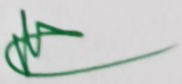
  
Dr. Manav A. Thakur  
Project Guide

  
Prof. Soni R. Ragho  
Head of Department

  
External Examiner



Institute Seal

  
Dr. Manav A. Thakur  
Principal



## CERTIFICATE

This is to certify that the Project report entitled  
**“TEXT SUMMARIZATION AND VISUALIZATION USING NLP”**

Submitted by

Preeti D. Chandanshive

SEAT NO: B191214207

Mrunali V. Gaikwad

SEAT NO: B191214212

Sneha D. Shinde

SEAT NO: B191214235

Vaishnavi H. Biradar

SEAT NO: B191214206

Under the supervision of **Prof. Priti. T. Chorade** and it is submitted towards partial fulfilment of Bachelor of Engineering (Computer) of the requirement of Savitribai Phule Pune University, Pune.

Date: \_\_\_\_\_

Place: \_\_\_\_\_

Prof. Priti. T. Chorade  
Project Guide

Prof. Soni R. Ragho  
Head of Department

*Debjyoti*  
31/05/2024

External Examiner



Dr. Manav A. Thakur  
Principal



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## CERTIFICATE

This is to certify that the Project report entitled

**“LEAVE MANAGEMENT SYSTEM”**

Submitted by

Deokate Sanket Pradip

SEAT NO: B191214211

Pawar Ajinkya Santosh

SEAT NO: B191214227

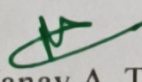
Bhise Prajyot Janardhan

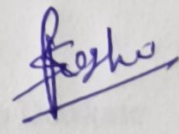
SEAT NO: B191214203

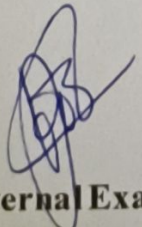
Under the supervision of **Dr. Manav A. Thakur** and it is submitted towards partial fulfilment of Bachelor of Engineering (Computer) of the requirement of Savitribai Phule Pune University, Pune.

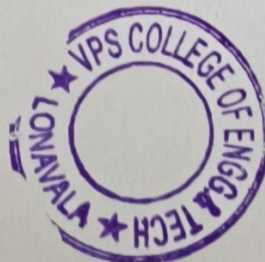
Date: 31/05/2024

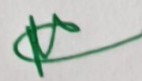
Place: Lonavala

  
Dr. Manav A. Thakur  
Project Guide

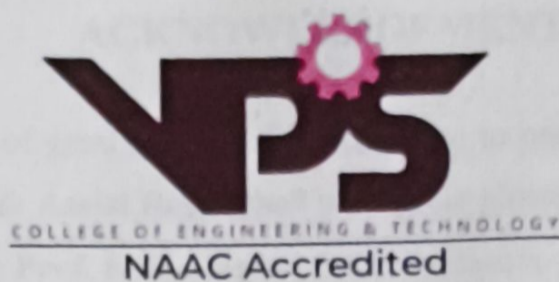
  
Prof. Soni R. Ragho  
Head of Department

  
External Examiner



  
Dr. Manav A. Thakur  
Principal

Institute Seal



## CERTIFICATE

This is to certify that the Project report entitled  
**“SCAR - Speech Conversion & Assist Response”**

Submitted by

**Siddhesh Babaji Balghare**

**SEAT NO: B191214203**

**Chaitanya Subhash Waghmare**

**SEAT NO: B191214237**

**Abhishek Avinash Jadhav**

**SEAT NO: B191214218**

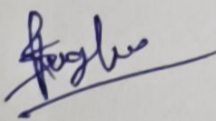
**Rahul Balu Adkar**

**SEAT NO: B191214201**

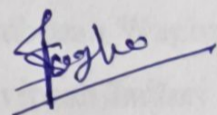
Under the supervision of **Prof. Soni R Ragho** and it is submitted towards partial fulfilment of Bachelor of Engineering (Computer) of the requirement of Savitribai Phule Pune University, Pune.

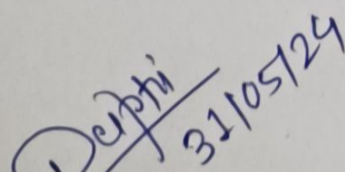
Date: 31/05/2024


Place: LonaVala

  
Prof. Soni R Ragho  
Project Guide



  
Prof. Soni R. Ragho  
Head of Department

  
External Examiner

  
Dr. Manav A. Thakur  
Principal

Institute Seal





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## CERTIFICATE

This is to certify that the Project report entitled  
**“Virtual Assistance for Visually Impaired People”**

Submitted by

Pranav Rajan Nair

Anushka Arun Pawar

Apeksha Arvind Jadhav

Gaurav Ganesh Gore

SEAT NO: B191214222

SEAT NO: B191214227

SEAT NO: B191214219

SEAT NO: B191214216

Under the supervision of Prof. Soni R Ragho and it is submitted towards partial fulfilment of Bachelor of Engineering (Computer) of the requirement of Savitribai Phule Pune University, Pune.

Date: 31/05/24

Place: Lonavala

Prof. Soni R Ragho  
Project Guide

Prof. Soni R. Ragho  
Head of Department

Debm  
31/05/2024  
External Examiner



Institute Seal

Dr. Manav A. Thakur  
Principal



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## CERTIFICATE

This is to certify that the Project report entitled

**“EXPERIMENTAL ANALYSIS ON PROPERTIES OF  
CONVENTIONAL AND LIGHT WEIGHT CONCRETE MIXED  
WITH BRICK AND CERAMIC TILE WASTE”**

Submitted by

Zulfikar Shaikh

SEAT NO: B191210005

Aniket Bhalerao

SEAT NO: B191210001

Shahbaz Khan

SEAT NO: B191210011

Under the supervision of **Prof. Sayali Dharne** and it is submitted towards partial fulfilment of Bachelor of Engineering (Civil) of the requirement of Savitribai Phule Pune University, Pune.

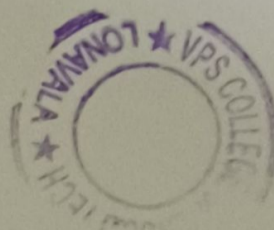
Date: 29/05/24

Place: Lonavala

Prof. Sayali Dharne  
Project Guide

Prof. Pranesh Chawhan  
Head of Department

External Examiner



Institute Seal

Dr. Manav A. Thakur  
Principal



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WAKSAL, LONAVALA (PUNE)

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## CERTIFICATE

This is to certify that the Project report entitled  
**“UTILIZATION OF DEMOLITION WASTE”**

Submitted by

Mohammad Arman Khan

SEAT NO: B19121003

Samudre Pratik Bhagwat

SEAT NO: B19121004

Khot Shanawaz Nadim

SEAT NO: B19121012

Under the supervision of Prof. Pranesh Chawhan and it is submitted towards partial fulfillment of Bachelor of Engineering (Civil) of the requirement of Savitribai Phule Pune University, Pune.

Date: 29/05/24

Place: Lonavala

Prof. Pranesh Chawhan

Project Guide

Prof. Pranesh Chawhan

Head of Department

External Examiner

Dr. Manav A. Thakur

Principal





COLLEGE OF ENGINEERING & TECHNOLOGY

WAKSAI, LONAVALA (PUNE)

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www.vpscet.in

## CERTIFICATE

This is to certify that the Project report entitled  
“Use of Hydroxyl Gas (HHO) With Primary Fuel  
Like Petrol and Diesel”

Submitted by

Mayur Ashok Kulkarni

SEAT NO: B191210808

Shoaib B Sanadi

SEAT NO: B191210813

Ranjeet Kumbharkar

SEAT NO: B191210809

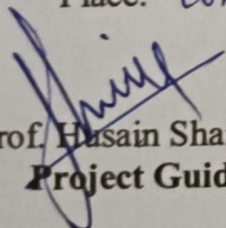
Atul Shinde

SEAT NO: B191210812

Under the supervision of **Prof. Husain Shaikh** and it is submitted towards partial fulfilment of Bachelor of Engineering (Mechanical) of the requirement of Savitribai Phule Pune University, Pune.

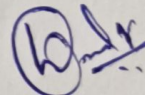
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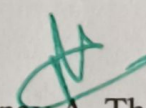
Place: Lonavala

  
Prof. Husain Shaikh  
Project Guide

External Examiner



  
Dr. Harish Harsurkar  
Head of Department

  
Dr. Manav A. Thakur  
Principal



## CERTIFICATE

This is to certify that the Project report entitled.  
**“CGLS: Enhancing Efficiency and Ensuring Worker Safety”**

Submitted by

Satpute Abhishek Ganpat

SEAT NO: B191210811

Bhosale Shyam Santosh

SEAT NO: B191210802

Garad Rohan Ramling

SEAT NO: B191210805

Garud Abhijeet Arvind

SEAT NO: B191210806

Under the supervision of Dr. Harish Harsurkar and it is submitted towards partial fulfilment of Bachelor of Engineering (Mechanical) of the requirement of Savitribai Phule Pune University, Pune.

Date: 29-05-2024

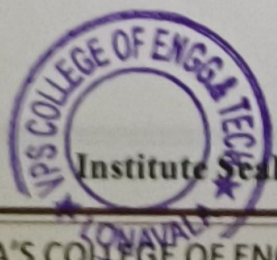
Place: Lonavala

Dr. Harish Harsurkar  
Project Guide

Dr. Harish Harsurkar  
Head of Department

External Examiner

Dr. Manav A. Thakur  
Principal





COLLEGE OF ENGINEERING & TECHNOLOGY

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## CERTIFICATE

This is to certify that the Project report entitled.

**“TRANSERVE - THE DELIVERY ROBOT”**

Submitted by

UMESH HANMANT CHALKE

SEAT NO: B191210803

OMKAR RAMRAO GAIKWAD

SEAT NO: B191210804

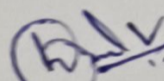
SAHIL ASHOK ZAWARE

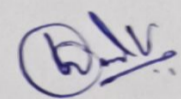
SEAT NO: B191210815

Under the supervision of Dr. Harish Harsurkar and it is submitted towards partial fulfilment of Bachelor of Engineering (Mechanical) of the requirement of Savitribai Phule Pune University, Pune.

Date: 29/05/24

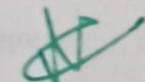
Place: Lonavala

  
Dr. Harish Harsurkar  
Project Guide

  
Dr. Harish Harsurkar  
Head of Department

External Examiner



  
Dr. Manav A. Thakur  
Principal

Institute Seal



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WAKSAI, LONAVALA (PUNE)

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## CERTIFICATE

This is to certify that the Project report entitled  
**“DESING AND FABRICATION OF ROBOT USING KLAN  
MECHANISM”**

Submitted by

Anuj Alok

SEAT NO: B191210801

Wasim Khan

SEAT NO: B191210807

Mukadam Taukir Parvez

SEAT NO: B191210810

Under the supervision of **Dr. Harish Harsurkar** and it is submitted towards partial fulfilment of Bachelor of Engineering (Mechanical) of the requirement of Savitribai Phule Pune University, Pune.

Date: 29/05/2024  
Place: Lonavala

Dr. Harish Harsurkar  
Project Guide

Dr. Harish Harsurkar  
Head of Department

External Examiner



Dr. Manav A. Thakur  
Principal