ZCOER

CERTIFICATE

This is to certify that the project report entitles

"POND CLEANING USING MOBILE APPLICATION"

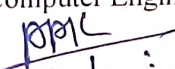Submitted by

Niraj Dhiwar	B190534248
Harshad Hatte	B190534279
Vinita Aghicha	B190534203

are the bonafide students of this institute and the work has been carried out by them under the supervision of **Prof. Afsha Akkalkot** 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. Afsha Akkalkot)
Guide
Department of Computer Engineering

(Prof. A. V. Mote)
Head
Department of Computer Engineering

(Prof. Asmita R. Kamble)
External Examiner
SPPU

(Dr. Ajit M. Kate)
Principal,
ZCOER, Pune-41

Place : Pune
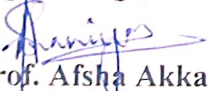Date :

ESTD-1996

ZCOER

CERTIFICATE
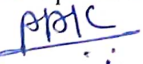
This is to certify that the project report entitles

" A DECENTRALIZED AUTONOMOUS ORGANIZATION TO IMPROVE COORDINATION BETWEEN NATIONS USING BLOCKCHAIN TECHNOLOGY AND ARTIFICIAL INTELLIGENCE FOR DATA HANDLING, SECURITY AND AUTOMATION"

Submitted by

GIRISH BHAGWAT	B190534220
TEJAS KAMBLE	B190534303
OMKAR JADHAV	B190534287
ASHISH HALIJOL	B190534278

are the bonafide students of this institute and the work has been carried out by them under the supervision of **Prof. Afsha Akkalkot** 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. Afsha Akkalkot)
Guide
Department of Computer Engineering

(Prof. A. V. Mote)
Head
Department of Computer Engineering

(Prof. Asmita R. Kamble)
External Examiner
SPPU

(Dr. Ajit M. Kate)
Principal,
ZCOER, Pune-41

Place : Pune
Date :

CERTIFICATE

This is to certify that Project entitled

"Smart Accident Detection, Prevention and Reporting using Arduino"

have successfully completed by

OF
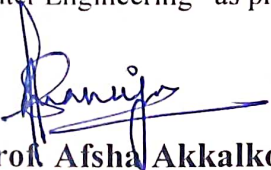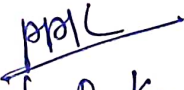
B.E.(Computer Engineering) (Academic Year: 2022-2023)

SUBMITTED BY

Srujan Garde (B211037)
Kishori Patil (B213059)
Janhavi Asware (B213003)
Kapaleshwar Patil(B213058)

In the academic year 2022-2023 in partial fulfillment of the fourth Year of Bachelor degree in "Computer Engineering" as prescribed by the Savitribai Phule Pune University.

Prof. Afsha Akkalkot
Project Guide

Prof. A. V. Mote
HOD of Department

Prof. Asmita R. Kamble
External Examiner (SPPU)

Dr. Ajit Kate
Principal

Place: **ZCOER, Pune**
Date:29/5/2023

ZCOER

CERTIFICATE

This is to certify that the project report entitles

WEB BASED MACHINE LEARNING AUTOMATED PIPELINE

Submitted by

SIRSAT MAHESH MANOHAR	**Exam No :B212056**
SHARMA AJITKUMAR VISHWAKARMA	**Exam No :B212048**
AASHISH SHAHI	**Exam No :B212047**
HALGI OMKAR MARUTI	**Exam No :B211047**

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

(Prof. Sachin Sambhaji Patil)
Guide
Department of Computer Engineering

(Prof. A. V. Mote)
Head of Department
Department of Computer Engineering

(Prof.   )
External Examiner
SPPU

(Dr. Ajit M. Kate)
Principal,
Zeal College of Engineering & Research, Pune-41

Place : Pune
Date :

ZCOER, Department of Computer Engineering 2022-23

ZCOER
PUNE

CERTIFICATE

This is to certify that Project entitled

"Veterinary Care for Animal Medical Solution"

have successfully completed by

OF

B.E.(Computer Engineering)

(Academic Year: 2022-2023)

SUBMITTED BY
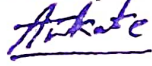
1. **Ms. Priyanka Gawankar-B211040**
2. **Ms. Pratiksha Mate-B212011**
3. **Ms. Dnyaneshwari Pawar-B212031**
4. **Ms. Punam Dhage-B211026**

in the academic year 2022-2023 in partial fulfillment of the fourth Year of Bachelor degree in "Computer Engineering" as prescribed by the Savitribai Phule Pune University.

Prof. Aparna V. Mote
Project Guide

Prof. Aparna V. Mote
Head Of Department

Prof. Asmita R. Kamble
External Examiner (SPPU)

Dr. Ajit M.Kate
Principal

Place: ZCOER, PuneDate: /   / 2023

CERTIFICATE

This is to certify that the project report entitles

"CARD DEFENDER – CREDIT CARD FRAUD DETECTION SYSTEM"

Submitted by

RUCHIKA BHAMBURE	**Exam No :(B211011)**
AMAR SALUNKE	**Exam No :(B213062)**
NITESH BHUJADE	**Exam No :(B211014)**
SHRITEJ DHADVE	**Exam No :(B211025)**

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

(Prof. Pravin Patil)
Project Guide
Department of Computer Engineering.

(Prof. A. V. Mote)
HOD of Department

(Prof. S. A. Shinde)
External Examiner
SPPU

(Dr. Ajit M. Kate)
Principal,
Zeal College of Engineering & Research, Pune

Place: Pune

Date: / /23

ZCOER

CERTIFICATE

This is to certify that the project report entitles
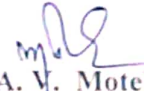
POTHOLE DETECTION AND COMPLAINT MANAGEMENT SYSTEM USING DEEP LEARNING
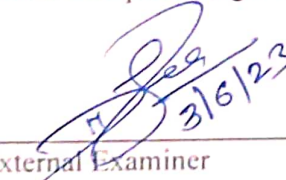
Submitted by

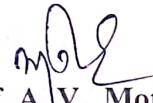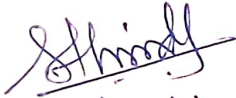|	
NANDAKISHOR MORE	Exam No :(B212014)
OMKAR MOTE	Exam No :(B212016)
SHUBHAM BARANGULE	Exam No :(B213005)
ABHISHEK DOKE	Exam No :(B211032)

Are bonafide student of this institute and the work has been carried out by him/her under the supervision of **Prof. Arunadevi Khaple** 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).

04/5/2023

(Prof. Arunadevi Khaple)
Guide
Department of Computer Engineering

(Prof. A. V. Mote)
Head
Department of Computer Engineering

3/6/23

(Prof. _____)
External Examiner
SPPU

(Dr. Ajit M. Kate)
Principal,
Zeal College of Engineering
& Research, Pune- 41

Place : Pune
Date :

ii

Zeal Education Society's

Zeal College of Engineering & Research
Department of Computer Engineering

CERTIFICATE

This is to certify that Project entitled

SECURED E-VOTING SYSTEM USING BLOCKCHAIN

SUBMITTED BY

PATEL HEMANT (B212025)
LASHKARE PARTH VIJAYKUMAR (B212004)
RAJPUROHIT DHARMENDRASINGH RAJENDRASINGH (B212035)

is a bonafide student of this institute and the work has been carried out by him under the supervision of **Prof. Afsha Akkalkot** 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. Afsha Akkalkot)
Project Guide

(Prof.A. V. Mote)
HOD of department

(Prof. _____)
External Examiner (SPPU)

(Dr. Ajit Kate)
Principal

Place: ZCOER, Pune.
Date: / /2023

i

ZCOER
PUNE

CERTIFICATE

This is to certify that Project entitled

"Text Reader for Visually Impaired Person Using Image Processing/Open-CV"

have successfully completed by

OF

B.E.(Computer Engineering)
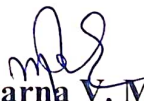
(Academic Year: 2022-2023)

SUBMITTED BY

1.Ms Rutuja Akhare -B211002
2.Ms Vaishnavi Barde-B211008
3.Ms Gitanjali Bhujbal-B211015

in the academic year 2022-2023 in partial fulfillment of the fourth Year of Bachelor degree in "Computer Engineering" as prescribed by the Savitribai Phule Pune University.

Prof. Aparna V. Mote
Project Guide

Prof. Aparna V. Mote
Head of the Department

Prof. Asmita R. Kamble
External Examiner (SPPU)

Dr. Ajit M.Kate
Principal

Place: ZCOER, Pune
Date: / / 2023

i

ZCOER

CERTIFICATE

This is to certify that the project report entitles

LAND CLASSIFICATION ON SATELLITE IMAGES USING CNN

Submitted by

DHANESHWARI PATIL	**Exam No :(B212026)**
VISHWARUPA PAWAR	**Exam No :(B212033)**
PRATIKSHA SATHE	**Exam No :(B212043)**

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

(Prof. Pravin Patil)
Guide
Department of Computer Engineering

(Prof. A. V. Mote)
Head
Department of Computer Engineering

(Prof. S. A. Shinde)
External Examiner
SPPU

(Dr. Ajit M. Kate)
Principal,
Zeal College of Engineering & Research, Pune-41

Place: Pune
Date:

ii

ZCOER

CERTIFICATE

This is to certify that the project report entitles

"EARLY DETECTION OF PLANT LEAF DISEASE USING DEEP LEARNING APPROACH"

Submitted by

Aniket Jadhav (B213033)
Parimal Bhosale (B211013)
Shivam Ardalkar (B211003)
Aishwarya Waghmode (B212071)

is a bonafide student of this institute and the work has been carried out by him/her under the supervision of Prof.**Afsha Akkalkot** 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. Afsha Akkalkot
Guide
Department of Computer
Engineering

Prof. A. V. Mote
Head
Department of Computer
Engineering

Prof. _____
External Examiner
SPPU

Dr. Ajit M. Kate
Principal,
ZCOER

Place: Pune
Date

ZCOER

CERTIFICATE

This is to certify that the project report entitles

"ROTTEN FRUIT DISEASE DETECTION AND TREATMENT USING RECOMMENDED PESTICIDES"

Submitted by
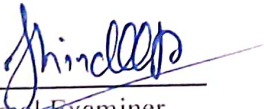
Prajakta Koparkar (B213044)
Bhagyashri Bajulge (B211006)
Suyog Chavan (B213012)
Vinayak Urit (B212068)

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

Prof. Sachin Patil
Guide
Department of Computer
Engineering

Prof. A. V. Mote
Head
Department of Computer
Engineering

Prof.
External Examiner
SPPU

Dr. Ajit M. Kate
Principal,
ZCOER

Place: Pune

CERTIFICATE

This is to certify that Project entitled

"HEART DISEASE PREDICTION USING MACHINE LEARNING"

OF

B.E. (Computer Engineering)
(Academic Year: 2022-2023)

Submitted by

VAIBHAVI DHUMAL (B211030)
SRUSHTI GAVALE (B211038)
HIMANSHU KULKARNI (B213046)
SHREYASH WADMALWAR (B213077)

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

(Prof. Sachin Patil)
Guide
Department of Computer Engineering

(Prof. A. V. Mote)
Head
Department of Computer Engineering

Prof.
External Examiner (SPPU)

(Dr. Ajit M. Kate)
Principal

Place: ZCOER, Pune
Date: / / 2023

CERTIFICATE

This is to certify that Project entitled

"Blockchain Based Crowdfunding Using Ethereum Smart Contract"
have successfully completed by

OF
B.E.(Computer
Engineering) (Academic
Year: 2022-2023)

SUBMITTED BY

Aditya Muley (B213052)
Sanket Sangle (B213063)
Ruhinaaz Shaikh (B213067)
Siddhesh Wankhede (B213078)

in the academic year 2022-2023 in partial fulfillment of the fourth Year of Bachelor degree in

"Computer Engineering" as prescribed by the Savitribai Phule Pune University.

Prof. Dipali Pawar
Project Guide

Prof. A. V. Mote
HOD of Department

Prof. S. H. Lokhande
External Examiner (SPPU)

Dr. Ajit Kate
Principal

Place: ZCOER, Pune
Date: 3/6/ 2023

SAVITRIBAI PHULE PUNE UNIVERSITY

2022-23
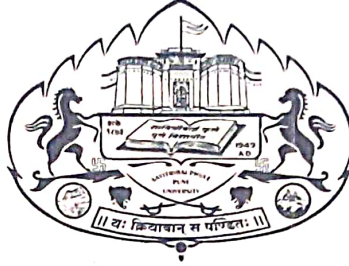
CERTIFICATE

This is to certify that the project report entitles

"EDUCATIONAL APPLICATION FOR INSTITUTE"

Submitted By

SAIRAJ PRADEEP DHUMAL (B213021)
SACHIN ABHIMANYU DIVASE (B213022)
HARSHITHKUMAR NARAYAN GANIGA (B213024)
SHUBHAM ASHOK HADAWALE (B213030)
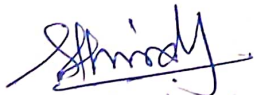
Is a Bonafide student of this institute and the work has carried out by him/her under the supervision of **Prof. Pravin Patil** and it is approved for the partial fulfillment of the requirement of Savitribai Phule Pune University, for the award of the degree of **Bachelor of Engineering (Computer Engineering).**

(Prof. Pravin Patil)

Project Guide

(Prof. A. V. Mote)

Head of Dept. of Computer Engineering

(Prof. S. A. Shinde)

External Examiner (SPPU)

(Dr. Ajit M. Kate)

Principal, ZCOER, Pune-41

Place: Pune

Date: 03/06/ 2023

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PUNE
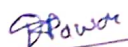
CERTIFICATE
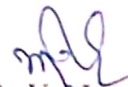
This is to certify that the Project Entitled

MALL LOYALTY APPLICATION BUILT ON

AI SYSTEM

Submitted by

Aditya Ingawale	B213032
Harshal Katkar	B213041
Snehit Shinde	B213069
Viren Nivangune	B212021

is a bonafide work carried out by Students under the supervision of **Prof. Dipali Pawar** and it is submitted towards the partial fulfilment of the requirement of Savitribai Phule Pune University, Pune for the award of the degree of Bachelor of Engineering (Computer Engineering)

Prof. Dipali Pawar
Guide
Department of Computer
Engineering

Prof. A. V. Mote
Head
Department of Computer
Engineering

Prof. **Ms. S. H. Lokhande**
External Examiner
SPPU

Dr. Ajit M. Kate
Principal
ZCOER

i

SAVITRIBAI PHULE PUNE UNIVERSITY
2022- 2023

CERTIFICATE

This is to certify that project entitled

"ONLINE CHILD PREDATOR DETECTION SYSTEM USING ML"

Submitted by

Aadarsh Ashok Chandanvandan (B211018)	
Aditi Rahul Jadhav	(B211050)
Akshada Bhausaheb Jadhav	(B211051)
Mohit Rajendra Kasar	(B211069)

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

(Prof. Arunadevi S. Khaple)

Guide

Dept. of Computer Engineering

(Prof. _____)

External Examiner

SPPU

(Prof. A.V. Mote)

Head

Dept. of Computer Engineering

(Dr. Ajit M. Kate)

Principal

ZCOER, Pune-41

Place: ZCOER, Pune.

Date: / /2023

ZCOER
PUNE

CERTIFICATE

This is to certify that theProject entitled

" Disease prediction using machine learning "

SUBMITTED BY

Suyash Jadhav (B211057)
Mayur Mane(B212009)
Pratik Gawas (B211041)
Rajesh Patil (B212029)

in the academic year 2022-2023 in partial fulfillment of the fourth Year of bachelor's degree
in
"Computer Engineering" as prescribed by the Savitribai Phule Pune University.

Prof. ARUNADEVI KHAPLE

Project Guide

Prof. A. V. Mote

HOD of Department

3|6|23

Prof. N.H. Pagore

External Examiner (SPPU)

Dr. Ajit Kate

Principal

Place: ZCOER, Pune

Date: / /

ZCOER, Department of Computer Engineering 2022-23

CERTIFICATE

This is to certify that Project entitled

"STOCK PRICE PREDICTION USING ADDITIVE REGRESSION MODEL"

have successfully completed by

OF

B.E.(Computer Engineering)
(Academic Year: 2022-2023)

SUBMITTED BY

Ketan Mahandule(B212007)
Shreyas Natu(B212019)
Niraj Kulkarni(B212001)
Yash Joshi(B211061)

in the academic year 2022-2023 in partial fulfillment of the fourth Year of Bachelor degree in "Computer Engineering" as prescribed by the Savitribai Phule Pune University.

Prof. Arunadevi Khaple
Project Guide

Prof. A. V. Mote
HOD of Department

Prof. N. H. Pagos
3/6/23
External Examiner (SPPU)

Dr. Ajit Kate
Principal

Place: ZCOER, Pune
Date: / / 2023

SAVITRIBAI PHULE PUNE UNIVERSITY
2022 -2023

ZCOER

CERTIFICATE

This is to certify that the project report entitles

A MACHINE LEARNING APPROACH FOR SUSPICIOUS ACTIVITY DETECTION

Submitted by

Omkar Dhanwat	**(B213019)**
Shushant Shriwastav	**(B213072)**
Devendra Sutar	**(B213074)**
Sourabh Yadav	**(B213080)**

is a bonafide student of this institute and the work has been carried out by us under the supervision of **Prof. Dipali pawar** 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. Dipali pawar)
Guide
Department of Computer Engineering

(Prof. A. V. Mote)
Head
Department of Computer Engineering

(Prof. S·H. Lokhande
External Examiner
SPPU

(Dr. Ajit M. Kate)
Principal,
Zeal College of Engineering & Research

Place: Pune
Date:

Zeal College of Engineering & Research
Department of Computer Engineering

CERTIFICATE

This is to certify that Project entitled

"Sign language Recognition using Computer Vision and Deep learning"

have successfully completed by **"Group-22"** of BE (Computer Engineering) in the academic year 2022-2023 in partial fulfillment of the Final Year of Bachelor degree in "Computer Engineering" as prescribed by the Savitribai Phule Pune University.

Prof. Dipali Pawar
Project Guide

Prof.A. V. Mote
HOD

Prof.
External Examiner SPPU

Dr. Ajit M. Kate
Principal ZCOER

Place: ZCOER, Pune.
Date: / /2023

ZCOER
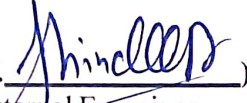
CERTIFICATE

This is to certify that the project report entitles **TEXT CLASSIFICATION USING CONVOLUTIONAL NEURAL NETWORK**

Submitted by

ANTHON RODRIGUES   **Exam No :(B213001)**
RAHUL TELANGI   **Exam No :(B213075)**
VISHWAJEET CHAVAN   **Exam No :(B213013)**

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

(Prof. Sachin Patil)
Guide
Department of Computer Engineering

(Prof._____)
External Examiner
SPPU

(Prof. A. V. Mote)
Head
Department of Computer Engineering

(Dr. Ajit M. Kate)
Principal
Zeal College of Engineering & Research

Place : Pune

Date :

ii

CERTIFICATE

This is to certify that the project report entitles

DECENTRALIZED KYC APPLICATION USING BLOCKCHAIN

Submitted by

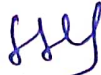|	
SAMRUDDHI CHANDRAS	Exam No :(B211019)
SAMARTHA MAHAJAN	Exam No :(B212006)
RADHIKA SHIRKE	Exam No :(B212055)
SAMRUDDHI WANKHEDE	Exam No:(B212072)

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

(Prof. Pravin Patil)
Guide
Department of Computer Engineering

(Prof. A. V. Mote)
Head
Department of Computer Engineering

(Prof. S. A. Shinde)
External Examiner
SPPU

(Dr. Ajit M. Kate)
Principal,
Zeal College of Engineering & Research, Pune-41

Place: Pune
Date: 3/06/2023

ii

CERTIFICATE

This is to certify that project entitled

"PHISHING WEBSITE DETECTOR"

Submitted by

OMKAR OMBASE	**Exam No: B212022**
HITESH PATIL	**Exam No: B212027**
PRACHI PATIL	**Exam No: B212028**

Are Bonafied students of this institute and the work has been carried out by him/her under the supervision of Prof. A. V. Mote and it is approved for the partial fulfilment of the requirement of Savitribai Phule Pune University, For the award of the degree Of Bachelor of Engineering (Computer Engineering).

(Prof. A.V. Mote)
Guide
Dept. of Computer Engineering

(Prof. A.V. Mote)
Head
Dept. of Computer Engineering

(Prof. _____)
External Examiner
SPPU

(Dr. Ajit M. Kate)
Principal
ZCOER, Pune-41

Place: ZCOER,
Pune.Date: / /2023

Zeal College of Engineering and Research Narhe, Pune

2022 – 2023

CERTIFICATE

This is to certify that Project entitled

"Air Quality Forecasting Using Deep Learning Framework"

SUBMITTED BY

1. **Komal Rayrikar   B212039**
2. **Sakshi Mahadik   B212005**
3. **Priya Pawar   B212032**
4. **Siddhi Argade   B213002**

are bonafide students of this institute and the work has been carried out by her under the supervision of **Asst Prof. Apurva Sharma** and it approved for the fulfillment of the requirement of **Savitribai Phule Pune University** for the award of the degree of **Bachelor of Engineering (Computer Engineering).**

Asst Prof. Apurva Sharma
Project Guide

Prof. A. V. Mote
Head Of Department

Prof.
External Examiner(SPPU)

prof. Bhosale Smita

Dr. Ajit. M. Kate
Principal

Place: ZCOER, Pune
Date:

ZCOER

CERTIFICATE

This is to certify that the project report entitles

"CRIME ANALYSIS AND PREDICTION"

Submitted by

Sandip Chavan (B211020)
Manthan Dimble (B211031)
Ashutosh Dange (B211023)
Yashraj Dalvi (B211022)

are bonafide students of this institute and the work has been carried out by them under the supervision of Prof. **Apurva Sharma** and it is approved for the partial fulfilment of the requirement of Savitribai Phule Pune University, for the award of the degree of **Bachelor of Engineering** (Computer Engineering).

Prof. Apurva Sharma
Guide
Department of Computer
Engineering

Prof. A. V. Mote
Head
Department of Computer
Engineering

Prof. Bhosale Smita .
External Examiner
SPPU

Dr. Ajit M. Kate
Principal,
ZCOER

Place: Pune
Date

CERTIFICATE

This is to certify that the project report entitles

"CRIME ANALYSIS AND PREDICTION"

Submitted by

Sandip Chavan (B211020)
Manthan Dimble (B211031)
Ashutosh Dange (B211023)
Yashraj Dalvi (B211022)

are bonafide students of this institute and the work has been carried out by them under the supervision of Prof. **Apurva Sharma** and it is approved for the partial fulfilment of the requirement of Savitribai Phule Pune University, for the award of the degree of **Bachelor of Engineering** (Computer Engineering).

Prof. Apurva Sharma
Guide
Department of Computer
Engineering

Prof. A. V. Mote
Head
Department of Computer
Engineering

Prof. Bhosale Smita.
External Examiner
SPPU

Dr. Ajit M. Kate
Principal,
ZCOER

Place: Pune
Date

i

ZCOER

CERTIFICATE

This is to certify that the project report entitles

FRAUD DETECTION AND ANALYSIS FOR INSURANCE CLAIM USING ML

Submitted by

POOJA MORE	Exam No: B212014
VAISHNAVI PATIL	Exam No: B212030
KSHITIJA SAKHARE	Exam No: B212040

are bonafide students of this institute and the work has been carried out by him/her under the supervision of **Asst. Prof. Apurva Sharma** and it is approved for the fulfillment of the requirement of Savitribai Phule Pune University, for the award of the degree of **Bachelor of Engineering** (Computer Engineering).

(Asst. Prof. Apurva Sharma)
Guide
Department of Computer Engineering

(Prof. A. V. Mote)
Head
Department of Computer Engineering

(Dr. Ajit M. Kate)
Principal,
Zeal College of Engineering & Research, Pune-41

Prof. S. S. Bhosale
External
Examiner (SPPU)

Place: Pune
Date:

CERTIFICATE

This is to certify that Project entitled

"Fund Future Empowering the Crowdfunding"

SUBMITTED BY

Sakshi Ajit Gawali

Ankita Arjun Khutwad

is a bonafide student of this institute and the work has been carried out by him/her under the supervision of Prof.Rupali Jadhav 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.Rupali Jadhav
Project Guide

Prof.A. V. Mote
HOD

Prof. S. A-Shinde
External Examiner (SPPU)

Dr. Ajit Kate
Principal

Place: ZCOER, Pune.

Date: / /2023

i

ZCOER

CERTIFICATE

This is to certify that the project report entitles

"SKIN CANCER DETECTION USING IMAGE PROCESSING"

Submitted by

Rushiraj Kale	**(B211065)**
Shubham Kadam	**(B211062)**
Shreyas Jadhav	**(B211056)**
Tushar Gund	**(B211046)**

is a bonafide student of this institute and the work has been carried out by him/her under the supervision of **Prof. Rupali Jadhav** 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. Rupali Jadhav
Guide
Department of Computer
Engineering

Prof. A. V. Mote
Head
Department of Computer
Engineering

Prof. S. A. Shinde
External Examiner
SPPU

Dr. Ajit M. Kate
Principal,
ZCOER

Place: Pune

ZCOER

CERTIFICATE

This is to certify that the project report entitles

"SECURE DATA STORAGE AND DATA LEACKAGE DETECTION INCLOUD"

Submitted by

TEJAS RAHANE	**SEAT NO: B190534369**
CHAITANYA SHELAR	**SEAT NO: B190534392**
SUYASH SHELAR	**SEAT NO: B190534393**
ABHIJEET WAGHMODE	**SEAT NO: B190534423**

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

(Prof. Rupali Jadhav)
Guide
Department of Computer Engineering

(Prof. A. V. Mote)
Head
Department of Computer Engineering

(Prof. S .A -Shinde)
External Examiner
SPPU

(Dr. Ajit M. Kate)
Principal,
ZCOER, Pune-41

Place : Pune
Date :

CERTIFICATE

This is to certify that the project report entitles.

"DEAGRICHAIN: BLOCKCHAIN-BASED SOLUTION FOR AGRICULTURE"

have successfully completed by

OF

B.E. (Computer Engineering)
(Academic Year: 2022-2023)

SUBMITTED BY

Omkar Kumbhar (B213047)
Sanchita Jedhe (B211060)
Payal Palve (B212024)
Shubham Mali (B213049)

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

(Prof. Sachin Patil)
Guide
Department of Computer Engineering

(Prof. A. V. Mote)
Head
Department of Computer Engineering

Prof.
External Examiner (SPPU)

Dr. Ajit Kate
Principal

Place: ZCOER, Pune

Date: / / 2023

CERTIFICATE

This is to certify that the project report entitles

FABRIC IDENTIFICATION AND DEFECT DETECTION

Submitted by

NIKITA JANGID	Exam No : (B211059)
RADHA SONTAKKE	Exam No : (B212058)
YUVRAJ KSHETRIMAYUM	Exam No : (B213045)
SIDRA KHAN	Exam No : (B211073)

is a bonafide student of this institute and the work has been carried out by him/her under the supervision of **Prof. Aparna V. Mote** 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. Aparna V. Mote)
Guide
Department of Computer Engineering

(Prof. A. V. Mote)
Head
Department of Computer Engineering

(Prof. Asmita R. Kamble
External Examiner
SPPU

(Dr. Ajit M. Kate)
Principal,
Zeal College of Engineering& Research, Pune-41

Place: Pune

Date:

ZCOER, Department of Computer Engineering 2022-23

CERTIFICATE

This is to certify that Project entitled

" SMART FARMING USING DEEP LEARNING"

Submitted by

Parvati Tadval	Exam No :(B212062)
Rutuja Tanpure	Exam No :(B212063)
Pruthviraj Yamgar	Exam No :(B212075)
Sudarshan Zarkar	Exam No :(B212076)

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

(Prof. Pravin Patil)
Guide
Department of Computer Engineering

(Prof. A. V. Mote)
Head
Department of Computer Engineering

(Prof. S. A. Shinde)
External Examiner
SPPU

(Dr. Ajit M. Kate)
Principal,
Zeal College Engineering
&Research, Pune- 41

Place : ZCOER,Pune
Date :   /   /2023

CERTIFICATE

This is to certify that Project entitled

" VEDIC SANSKRIT TEXT RECOGNITION & TRANSLATION"
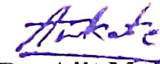
have successfully completed by

OF
SUBMITTED BY

B.E. (COMPUTER ENGINEERING)
ACADEMIC YEAR: (2022-2023)

Shubham Dhere(B213020)
Ambar Dhanave(B213018)
Mahadev Mastud(B213050)
Rohit Karne(B213039)

In the academic year 2022-2023 in partial fulfillment of the fourth Year of Bachelor degree in "Computer Engineering" as prescribed by the Savitribai Phule Pune University.

Prof. Dipali Pawar
Project Guide

Prof.
External Examiner (SPPU)

Prof. A. V. Mote
HOD of Department

Dr. Ajit Kate
Principal

Place:ZCOER,Pune
Date:3/06/ 2023

SAVITRIBAI PHULE PUNE UNIVERSITY
2022 -2023

ZCOER

CERTIFICATE

This is to certify that the project report entitles

"AGRICO"

Submitted by

is a Bonafede student of this institute and the work has been carried out by her under the supervision of Prof. **Dipali Mane** and it is approved for the partial fulfilment of the requirement of Savitribai Phule Pune University, for the award of the degree of **Bachelor of Engineering**

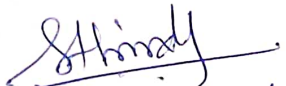| STUDENT NAME	EXAM NO:
Gunja Gupta	(B213029)
Jaai Patwardhan	(B213061)
Akash Shilimkar	(B213068)
Trupti Shitole	(B213071)

Prof. Dipali Mane
Guide
Department of Computer Engineering

Prof. A. V. Mote
Head
Department of Computer Engineering

Prof. S.H. Lokhande
External Examiner
SPPU

Dr. Ajit M. Kate
Principal,
Zeal College of Engineering & Research

Place: Pune
Date:

ZCOER
PUNE

CERTIFICATE

This is to certify that Project entitled

"Web Vulnerability Scanning Framework"

SUBMITTED BY

"Hrishikesh Pradeep Jadhav"
"Rushikesh Sanjay Jagdhane"
"Akash Shanidhar Trimbake"
"Mayur Maruti Sawant"

is a bonafide student of this institute and the work has been carried out by him/her under the supervision of Prof.Priyanka H.Shingate 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.Priyanka H.Shingate
Project Guide

Prof.A V. Mote
HOD

Prof. R. T. Woghmode
External Examiner (SPPU)

Dr. Ajit Kate
Principal

Place: ZCOER, Pune.
Date: / /2023

i

ZCOER

CERTIFICATE

This is to certify that the project phase-II report entitled

Direct Delivery Near Expiry Product to UnderprivilegedPeoples (NGO) Using Machine Learning Techniques
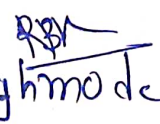
Submitted by

Shreya Godale	B213028
Nikita Thikekar	B213076
Mrudula Patanakar	B213051
Samruddhi Kadam	B213038

is a bonafide student of this institute and the work has been carried out by him/her under the supervision of **Prof. Priyanka H. Shingate** 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. Priyanka H. Shingate
Guide

Prof. R. T. Waghmode
External Examiner
SPPU

Prof. Aparna Mote
HOD

Dr. Ajit M. Kate
Principal,
ZCOER

Place:Pune
Date

Zeal College of Engineering and Research Narhe, Pune
2022 - 2023

CERTIFICATE

This is to certify that Project entitled
"Smart Health Consulting Management System"

have successfully completed byOF
B.E. (Computer Engineering)
(Academic Year: 2021-2022)

SUBMITTED BY

Abhijit Pandurang Kate (B211070)
Saurabh Netaji Kumbhar(B212002)
Karan Shahaji Mane(B212008)
Kunal Kamaraj Borchate(B213009)

In the academic year 2022-2023 in partial fulfilment of the fourth Year of Bachelor degree in "Computer Engineering" as prescribed by the Savitribai Phule Pune University.

Prof. Priyanka H. Shingate
Project Guide

Prof. A. V. Mote
HOD of Department

Prof. R. T. Waghmode

Dr Ajit Kate

(External Examiner)

Principle

Place :ZCOER Pune
Date: / / 2023

CERTIFICATE

This is to certify that the project report entitled

ONLINE PUBLIC SHAMING ON SOCIAL MEDIA DETECTION PREVENTION AND MITIGATION

Submitted by

Aditi Khule	B213042
Shrutika Nanaware	B213053
Deep Malani	B213048
Kaustubh Kasbe	B213040

is a bonafide student of this institute and the work has been carried out by him/her under the supervision of **Prof. Dipali Mane** 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. Dipali Mane

Project Guide

Prof. Aparna Mote

HOD

Prof. S. H. Lokhande

External Examiner (SPPU)

Dr. Ajit M. Kate

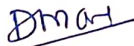Principal

SAVITRIBAI PHULE PUNE UNIVERSITY
2022 -2023

ZCOER

CERTIFICATE

This is to certify that the project report entitles

A MACHINE LEARNING APPROACH FOR INTRUSION DETECTION

Submitted by

SAURABH SHITOLE	**(B213070)**
CHAITANYA CHAUDHARI	**(B213010)**
MUBIN SHAIKH	**(B213066)**
SHIVAM SASHE	**(B213064)**

is a bonafide student of this institute and the work has been carried out by us under the supervision of **Prof. Dipali Mane** 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. Dipali Mane)
Guide
Department of Computer Engineering

(Prof. A. V. Mote)
Head
Department of Computer Engineering

(Prof. S. H. Lolchande
External Examiner
SPPU

(Dr. Ajit M. Kate)
Principal,
Zeal College of Engineering & Research

Place: Pune
Date:

CERTIFICATE

This is to certify that the project report entitles

"ADVANCE AUTHENTICATION SYSTEM USING BLOCKCHAIN NETWORK"
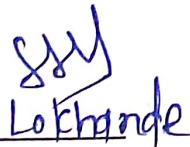
Submitted by

Mane Prathamesh (B212010)
Shevante Rutuja (B212052)
Yadav Akash (B212074)

is a bonafide student of this institute and the work has been carried out by him/her under the supervision of Prof.Dipali Mane 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. Dipali Mane
Guide
Department of Computer
Engineering

Prof. A V. Mote
Head
Department of Computer
Engineering

Prof. S·H. Lokhande
External Examiner
SPPU

Dr. Ajit M. Kate
Principal,
ZCOER

Place: Pune

CERTIFICATE

This is to certify that Project entitled

"Student Management System"

have successfully completed by

Aditya Mahendra Shelar

Sudarshan Sanjaykumar Sawant

Abhishek Sambhaji Pacharne

Sahil Yogesh Tike

OF

"B.E. (Computer Engineering)"
"(Academic Year: 2022-2023)"

in fulfillment of the fourth Year of Bachelor degree in "Computer Engineering" as prescribed by the Savitribai Phule Pune University.

Prof.Dipali Mane
Project Guide

Prof.A . V . Mote
HOD

S.H. Lokhande
External Examiner (SPPU)

Dr. Ajit Kate
Principal

Place: ZCOER, Pune.

Date: / / 2021

CERTIFICATE

This is to certify that the project report entitles

AUTHENTICATION BASED ON IMAGE PASSWORD

Submitted by

SARVESHKUMAR JAISWAL	**Exam No :(B213035)**
KAMALESH PATIL	**Exam No :(B213057)**
KUNAL JAGTAP	**Exam No :(B213034)**
TEJAS CHORE	**Exam No :(B213014)**

is a bonafide student of this institute and the work has been carried out by him/her under the supervision of **Prof. Poonam Patekar** 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. Poonam Patekar)
Guide
Department of Computer Engineering

(Prof. A. V. Mote)
Head
Department of Computer Engineering

(Prof. R. T. Waghmode)
External Examiner
SPPU

(Dr. Ajit M. Kate)
Principal,
Zeal College of Engineering & Research, Pune-41

Place : Pune
Date :   /   /

ZCOER

CERTIFICATE

This is to certify that the project report entitles

"STOCK PRICE PREDICTION USING DEEP LEARNING MODELS"

Submitted by

Prathmesh Bondre (B213008)
Siddharth Chavan (B213011)
Pandurang Dahibhat (B213015)
Harshali Devkar (B213017)

is a bonafide student of this institute and the work has been carried out by him/her under the supervision of **Prof. Poonam Patekar** 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. Poonam Patekar
Guide Head

Department of Computer
Engineering

Prof. A. Y. Mote
HOD

Department of Computer
Engineering

Prof. R.T. Waghmode
External Examiner

SPPU

Dr. Ajit M. Kate
Principal

ZCOER

Place: Pune
Date

SAVITRIBAI PHULE PUNE UNIVERSITY

2022 -2023

CERTIFICATE

This is to certify that the project report entitles
"House Price Prediction and Recommendation"

submitted by

SHANTANU BARHANPURKAR	**(B213006)**
ONKAR DESHMUKH	**(B213016)**
MAYUR GAWADE	**(B213025)**
ANIKET PATEL	**(B213056)**

is a Bonafide student of this institute and the work has been carried out by him/ her under the supervision of **Prof. Poonam Patekar** 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. Poonam Patekar)
Guide
Department of Computer Engineering

(Prof. A. V. Mote)
Head
Department of Computer Engineering

Prof. R. T. Waghmode
External Examiner
SPPU

(Dr. Ajit M. Kate)
Principal,
Zeal College of Engineering & Research

Place: Pune
Date:

CERTIFICATE

This is to certify that the Project Entitled

PERSONALITY PREDICTION USING ML AND NLP

Submitted by

Abhishek Nagarkar	**B212017**
Shrikant Nagawade	**B212018**
Rahul Rale	**B212036**
Suraj Raut	**B212038**

is a bonafide work carried out by Students under the supervision of **Prof. Afsha Akkalkot** and it is submitted towards the partial fulfilment of the requirement of Savitribai Phule Pune University, Pune for the award of the degree of Bachelor of Engineering (Computer Engineering)

Prof. Afsha Akkalkot
Guide
Department of Computer
Engineering

Prof. A V. Mote
Head
Department of Computer
Engineering

Prof. _____
External Examiner
SPPU

Dr. Ajit M. Kate
Principal
ZCOER

Place: Pune
Date:

i

DEPARTMENT OF COMPUTER ENGINEERING
ZEAL COLLEGE OF ENGINEERING & RESEARCH
NARHE, PUNE - 411041

SAVITRIBAI PHULE PUNE UNIVERSITY
2022 -2023

ZCOER
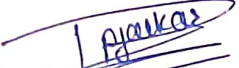
CERTIFICATE

This is to certify that the project report entitles

COMPARATIVE ANALYSIS OF CLASSIFICATION ALGORITHMS FOR HEART DISEASE

Submitted by

RUCHIKA JADHAV	**Exam No :(B211055)**
SHRADHA SOLAPURE	**Exam No :(B212057)**
YASH SURANA	**Exam No :(B212060)**
PRAJIT THUBE	**Exam No :(B212065)**

is a bonafide student of this institute and the work has been carried out by him/her under the supervision of **Prof. Poonam Patekar** 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. Poonam Patekar)
Guide
Department of Computer Engineering

(Prof. A. V. Mote)
Head
Department of Computer Engineering

(Prof. R. T. Waghmode
External Examiner
SPPU

(Dr. Ajit M. Kate)
Principal,
Zeal College of Engineering & Research, Pune-41

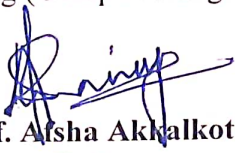Place: Pune
Date :

CERTIFICATE

This is to certify that the project report entitles

"VISION LENS FOR VISUALLY IMPAIRED PEOPLE"

Submitted by

Praful Kaduskar (B211063)   Shubham Kurkute (B212003)

Bhargav Suryawanshi (B212061)   Gajanan Wagh (B212069)

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

(Prof. Payal Mahajan)

Guide
Dept. of Computer Engg.

(Prof. A. V. Mote)

Head
Dept. of Computer Engg.

(Prof....)

External Examiner
SPPU

(Dr. Ajit M. Kate)

Principal,
Zeal College of Engg. Research

Place: Pune

Date:

2

ZCOER

CERTIFICATE

This is to certify that the project report entitles

Predict Identity on Suspicious Activity by Using Multiple Zone

Submitted by

Pratik Yadav   Exam No: B213079
Vivek Dhokane   Exam No: B211028
Mayuri Ghodke   Exam No: B213026
Sanjana Chavan   Exam No : B211021

is a bonafide student of this institute and the work has been carried out by him/her under the supervision of Prof. **Payal. D. Mahajan** 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. Payal D. Mahajan)
Guide
Department of Computer Engineering

(Prof._____)
External Examiner
SPPU

(Prof. A. V. Mote)
Head
Department of Computer Engineering

(Dr. Ajit M. Kate)
Principal,
Zeal College of Engineering

Place: Pune
Date:

SAVITRIBAI PHULE PUNE UNIVERSITY
2022-23

CERTIFICATE

This is to certify that the Project entitled

"Chronic Kidney Disease Prediction System"

has been successfully completed by

Rohit More (B212015)

Pratik Shah(B212046)

Riya Raut (B212037)
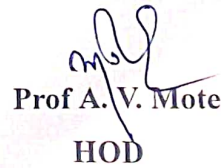
Subodh Shinde (B212054)

in the academic year 2022-2023 in partial fulfillment of the fourth year of Bachelor's degree in "Computer Engineering" as prescribed by the Savitribai Phule Pune University

Prof. Payal Mahajan

Project Guide

Prof A. V. Mote

HOD

Prof.

External Examiner (SPPU)

Dr. Ajit Kate

Principal

Place: ZCOER Pune

Date: 03/06/2023

ZCOER

CERTIFICATE

This is to certify that the project report entitles

STREAMLINED DATA VISUALIZATION SYSTEM USING MOBILE AND WEB CROSS PLATFORM
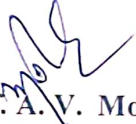
Submitted by

ABHISHEK MORE	**Exam No :(B212012)**
PALLAVI SHEWALE	**Exam No :(B212053)**
AMIT BODKE	**Exam No :(B211016)**
SAMPADA DESHPANDE	**Exam No :(B211024)**

Are bonafide student of this institute and the work has been carried out by him/her under the supervision of **Prof. Payal Mahajan** 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. Payal Mahajan)
Guide
Department of Computer Engineering

(Prof. A. V. Mote)
Head
Department of Computer Engineering

(Prof._____)

External Examiner
SPPU

(Dr. Ajit M. Kate)
Principal,
Zeal College of Engineering
& Research, Pune- 41

Place : Pune
Date :

ii

CERTIFICATE

This is to certify that project entitled
"ATM Based on Face Recognition System"

Submitted by
Ruchita Kakade (B211064)
Jayesh Kharat   (B211074)
Shlok Khopkar   (B211075)
Rutuja Zori   (B212077)

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

(Prof. Arunadevi S. Khaple)
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(Dr. Ajit M. Kate)
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ZCOER, Pune-41

Place: ZCOER, Pune.
Date: / /202

CERTIFICATE

This is to certify that the project report entitles

VOIX-DE-IMAGE: DEEP LEARNING BASED TEXT-IMAGE TO SPEECH SYNTHESIS

Submitted by
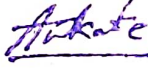
ATHARVA KULKARNI	**B211078**
HUSAIN GADIWALA	**B211036**

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

(Asst. Prof. Apurva Sharma)
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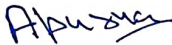Principal,
ZCOER, Pune

Place : Pune
Date :

CERTIFICATE

This is to certify that the project report entitles

"HYBRID MOVIE RECOMMENDATION SYSTEM USING MACHINE LEARNING"

Submitted by

Snehal Inamdar (B211049)
Sakshi Karanjkar (B211067)
Ritesh Karankal (B211068)
Riya Kate (B211071)

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Prof. Rupali Jadhav
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External Examiner
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Dr. Ajit M. Kate
Principal,
ZCOER

Place: Pune
Date

CERTIFICATE

This is to certify that the project report entitles

CARDIOVASCULAR PREDICTION SYSTEM USING MACHINE LEARNING

Submitted by

POOJA GOLE	Exam No :(B211043)
AKSHADA DHUMAL	Exam No :(B211029)
PIYUSH JADHAV	Exam No :(B211054)

Are bonafide student of this institute and the work has been carried out by him/her under the supervision of **Prof. Payal Mahajan** 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. Payal Mahajan)
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(Dr. Ajit M. Kate)
Principal,
Zeal College of Engineering
& Research, Pune- 41

Place: Pune
Date:

iii

CERTIFICATE

This is to certify that Project entitled

"Decentralized NFT Marketplace With CustomToken"

have been successfully completed by

Sagar Gund(B211045)

Rohit Gore(B211044)

Yash Gholap(B211042)

Abhishek Dorge(B211033)

OF

B.E. (Computer Engineering)

(Academic Year: 2022-23)

Submitted in the academic year 2022-23 in partial fulfilment of the fourth year of Bachelor degree in "Computer Engineering" as prescribed by the Savitribai Phule Pune University.

Prof. Yogita Pore
(Project Guide)

Prof.
(External Examiner (SPPU))
Prof. Bhosale Smita

Place: ZCOER, Pune

Date: / / 2022

Prof. A. V. Mote
(HOD of Department)

Dr. Ajit Kate
(Principal)

i

CERTIFICATE

This is to certify that the project report entitled
"FAKE PRODUCT IDENTIFICATION USING BLOCKCHAIN TECHNOLOGY"

has been successfully completed by

DHARMESH DURGESHI	**B211034**
OMKAR KONKATI	**B211077**
HRITIK KAUL	**B211072**
SHAMBHURAJE GAIKWAD	**B213023**

are bonafide students of this institute and the work has been carried out by him/her under the supervision of **Prof. Y.N PORE** and it is approved for the partial fulfillment of the requirement of SavitribaiPhule Pune University, for the award of the degree of **Bachelor of Engineering** (Computer Engineering).

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(Dr. Ajit M. Kate)
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Zeal College of Engineering & Research
Pune-41

Place : Pune
Date :

CERTIFICATE

This is to certify that the project report entitles

"GRAPES DISEASE DETECTION USING IMAGE PROCESSING"

Submitted by

SUYOG AROTE	SEAT NO: B190534208
SIDDHANT AYACHIT	SEAT NO: B190534212
NISHANT BANGAR	SEAT NO: B190534214
SARTHAK EKHANDE	SEAT NO: B190534257

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Principal,
ZCOER, Pune-41

Place : Pune
Date :

ZCOER

CERTIFICATE

This is to certify that the project report entitles

" LEAF DISEASE DETECTION IN ANDROID"

Submitted by

SURAJ TELI   (B212064)

SWARAJ GHUGE (B213027)

NIKHIL PATIL   (B203060)

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(Prof. Y.N. Pore)

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(Dr. Ajit M. Kate)

Principal,

Zeal College of Engineering & Research

Place : Pune

Date :

ZCOER

CERTIFICATE

This is to certify that the project report entitles

Automation of Educational Records Sharing and Storage using Blockchain

Submitted by

DEEP H. BAWANE	**Exam No :(B211009)**
YOGESH S. SUDKE	**Exam No :(B212059)**

is a bonafide student of this institute and the work has been carried out by him/her under the supervision of **Prof. Yogita Pore** 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).

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SAVITRIBAI PHULE PUNE UNIVERSITY2022- 2023

CERTIFICATE

This is to certify that project entitled

"REAL-TIME AGE AND GENDER PREDICTION"

Submitted by

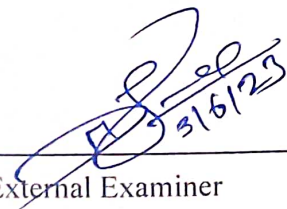|	
Abhijeet Jagdish Awad	(B213004)
Vijay Ankush Nikalje	(B213055)
Nikita Sunil Narole	(B213054)
Sanket Chagan Sontakke	(B213073)

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(Prof. Arunadevi S. Khaple)

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Place: ZCOER, Pune.Date: /   /2023