

**Marathwada Mitramandal's Institute of Technology  
Lohgaon, Pune**

**Department : Computer Engineering**

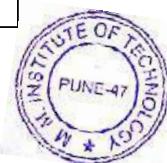
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SAVITRIBAI PHULE PUNE UNIVERSITY

2022 -2023



CERTIFICATE

This is to certify that the project report entitles

**DEVELOP MODEL FOR DETECTION AND  
LOCALIZATION OF BRAIN TUMOR**

Submitted by

SHANTANU HULE

Exam No: B190594257

ATHARVA INGALE

Exam No: B190594258

HARSH KHANDAGALE

Exam No: B190594281

SHARVARI GOVELE

Exam No: B190594254

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

(Prof.D. B. Satre)

Guide

Department of Computer Engineering

(Dr. S. G. Rathod)

Head,

Department of Computer Engineering

(Dr. R. V. Bhortake)

Principal,

Marathwada Mitra Mandal Institute of Technology Pune – 47

Place: Pune

Date: 05/06/2023

Internal Examiners



External Examiners

SAVITRIBAI PHULE PUNE UNIVERSITY  
2022 -2023



“येथे बहुतांचे हित”

CERTIFICATE


This is to certify that the project report entitles


“EMOTIONS DETECTION USING SPEECH RECOGNITION  
ANDFACE RECOGNITION”

SUBMITTED BY

STUDENT NAME	Seat no.
Ms. Anagha P. Ingale	B190594206
Ms. Swati G. Khod	B190594284
Ms. Komal B. Kharsade	B190594283
Ms. Swapnaja S. Pawar	B190594322

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

  
**Prof. Dr. M. D. Salunke**  
Internal Guide  
Department of Computer Engineering

  
**Dr. S. G. Rathod**  
Head, Department of  
Computer Engineering


  
**(Dr. R. V. Bhortake)**

Principal,

Marathwada Mitra Mandal Institute of Technology Pune – 47

Place: Pune

Date: 03/6/2023

  
Internal





External



# JSMINDIA INFOSYS PVT LTD

Office No 004, First Floor, Walhekar Heights, Near Adhar Hospital, HDFC Bank, Narhe, Pune 411041  
CIN: U72900PN2020PTC190077

+91-9834780214 jsmindiainfosys@gmail.com

## Sponsorship Offer Letter

Reference No and Date: JSMMMITCO001/ 20/09/2022

To,  
The Principal,  
MMIT  
Pune., 041.

**Subject :** Offering Sponsorship to the students of UG/PG .

Dear Sir/Madam,

We are happy to sponsor the candidature of the following students to work on the project titled  
“**Soldier Health Monitoring System Using IoT**” from Sept 2022 to May 2023 for the academic year 2022-  
23. The details are as follows:

1. Project title: Soldier Health Monitoring System Using IoT
2. Technology To Be Used: Java
3. Mentor name from industry: Miss. Dipali
4. Student Details :

Sr. No	Student Name	Registration no.	Branch
1	Jacob Abinesh Joseph	JSMMMITCO001A	Computer Engineering
2	Madhur Madhusudan Shinde	JSMMMITCO001B	Computer Engineering
3	Apurva Sharad Khandagale	JSMMMITCO001C	Computer Engineering
4	Tejas Padmakar More	JSMMMITCO001D	Computer Engineering

The efforts in this regard have positively enhanced knowledge and practical skills of the students.



JSMINDIA INFOSYS PRIVATE  
LIMITED



Director

**JSM INDIA INFOSYS PRIVATE LIMITED, PUNE**





# APPLE HOSPITAL

**Dr. Deepak Dere**  
(ICU & Critical Care Expert)  
Mob :- 9850099219

**Dr. Preeti Dere**  
(Gynaec & Obst.)  
Mob:- 9923145598

**Dr. Shashank Bhailume**  
(General Physician)  
Mob:- 9271717433

Friday, 27 May 2023

Respected Sir,

We are the students of Marathwada Mitra Mandal's Institute of Technology (MMIT) College from Lohegaon Branch.

As a B.E. student we are obliged to create a final year project and our final year project is related to hospital so we know that Apple Hospital can be a potential sponsor for our project.

project title:- "Patient Data Management System using Blockchain". Our project is inspired by the block chain technology to create a de-centralized hospital management system. Our system includes block chain technology to create a decentralized system for the patients so that the patients can have a record of their own health records and also have the authority to access his health records without others permission.

Our project team members are:-

- i] Omkar Shisode
- ii] Vivek Hirekar
- iii] Mohammed Saad
- iv] Mohammad Faiz Mulla

Our Project is done under the guidance of our professors Prof. Vaibhav Rewaskar and the H.O.D of our computer department Prof. Subhash Rathod.

Thank you for reading about our expedition. Please contact us if you'd like to find out more and get involved with our project.

Best,

Mohammed Saad & Group







## IN SOURCE TECHNOLOGY

1 FLOOR PRASANNA BUILDING, MODERN  
COLLEGE CHOWK, J.M. ROAD, SHIVAJINAGAR,  
PUNE 411005

### Re:- Sponsorship Support Letter

**Private and Confidential**

**Date: 26/04/2023**

To Whom It May Concern:

Please see the details of my support outlined below:

**Name of students:**

- ✓ Poonam Jagtap
- ✓ Pratiksha shelar
- ✓ Pratidnya shikhare
- ✓ Anubhav Bhat

**Relationship of sponsor to student: PROJECT SPONSORSHIP.**

**Length of time support will be provided: EIGHT MONTHS.**

As a valuable member of our community, we would like to arrange sponsorship for the student's effort. During the sponsorship period, we are honor students and his/her important work regarding project. Here our company find out the student's effort to make them diamond.

I appreciate your efforts and beneficial to organization. I look forward to hearing to you.



Truly Obliged,

**IN SOURCE TECHNOLOGY, PUNE-5**



ILLUSTRE SOFTWARE SERVICES PVT LTD.

Date – 04 May 2023

**TO WHOM IT MAY CONCERN**

Re : Official Sponsorship Approval Letter.

We would like to confirm that **Gayatri Kinge, Aakanksha Magaonkar, Janvi Kankhar and Aparna Gade** a student of Computer Engineering at “**Marathwada Mitra Mandal’s Institute Of Technology**” official recipient of scholarship, under the academic project at Illustre Software Services Pvt. Ltd.

Project Name – **Traffic Sign Recognition using Convolutional Neural Network**

The approval consists of total expenditure required for completion of the project.

Illustre Software Services is a salesforce/FinancialForce consulting firm that focuses on salesforce implementation, developing and consulting.

For Illustre Software Services Pvt. Ltd.

X

For Illustre Software Services Pvt. Ltd.

Madhwam Singh  
Director

Director

B – 1/42, Vineet Khand, Gomtinagar, Lucknow, Uttar Pradesh





“येथे बहुतांचे हित”

**CERIFICATE**

This is to certify that the project report entitles

**“HEART DISEASE DETECTION SYSTEM USING MACHINE LEARNING  
TECHNIQUES”**

SUBMITTED BY

KIRAN SHIVAJI POTHARE

EXAM NO :- B190594324

ROHIT ABHIJIT BARASHILE

EXAM NO :- B190594215

ABHIJIT TUKARAM BOMBLE

EXAM NO :- B190594226

ABHIJIT EKNATH JADHAV

EXAM NO :- B190594262

is a bonafide student of this institute and the work has been carried out by him under the supervision of **Prof.Mrunal Jagtap** 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.Mrunal Jagtap)**

Internal Guide

Department of Computer Engineering

**(Dr.S.G.Rathod)**

Head of Department

Department of Computer Engineering

**(Dr. R. V. Bhortake)**  
Principal

Marathwada Mitra Mandal Institute of Technology Pune – 47

Internal Examiner

External Examiner

Place : Pune

Date : 05/06/2023



SAVITRIBAI PHULE PUNE UNIVERSITY  
2022 -2023



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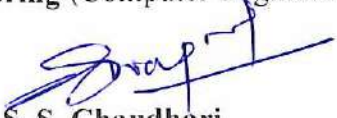
This is to certify that the project report entitles


“IntellectSoft”

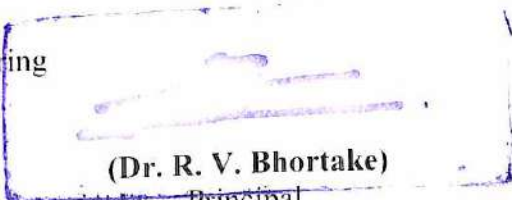
SUBMITTED BY

STUDENT NAME	Seat no.
Ms. Ruchika Bhoite	B190594220
Ms. Vaishnavi Mahajan	B190594295
Ms. Rakhi Manaware	B190594296
Ms. Prachi Shinde	B190594342

is a bonafide student of this institute and the work has been carried out by him/her under the supervision of Prof. **Swapnil Choudhari** 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. S. S. Chaudhari**  
Internal Guide  
Department of Computer Engineering

  
**Dr. S. G. Rathod**  
Head, Department of  
Computer Engineering

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

Marathwada Mitra Mandal Institute of Technology Pune – 47

Place: Pune

Date: 03/06/23.

  
Internal:



External:



SAVITRIBAI PHULE PUNE UNIVERSITY  
2022 -2023



“येथे अहतांचे हित”

CERTIFICATE

This is to certify that the project report entitles

“College Commune”

SUBMITTED BY

STUDENT NAME	Seat no.
Mr.Shubham Reddy	B190594333
Mr.Sushant Shinde	B190594344
Mr.Jivan Lulle	B190594293
Mr. Mangesh Ingle	B190594260

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

**Prof. P.V. Deshmukh**

Internal Guide

Department of Computer Engineering

**Dr. S. G. Rathod**

Head of Department

Department of Computer Engineering

**(Dr. R. V. Bhortake)**

Principal,

Marathwada Mitra Mandal Institute of Technology Pune – 47

Place: Pune

Date: 03/06/23

Internal



External  
21/6/23





## CERTIFICATE

This is to certify that the project report entitles

### “EDUCATIONAL WEBSITE WITH SEARCH ENGINE OPTIMIZATION”

Submitted by

Seat No	Name
B190594259	Abhishek Nandkumar Ingle
B190594308	Jaydeep Jagannath Narale
B190594214	Akshay Ashok Bangar
B190594325	Pratik Shankar Vyavahare

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

**Prof. M.S.Jagtap**

Guide

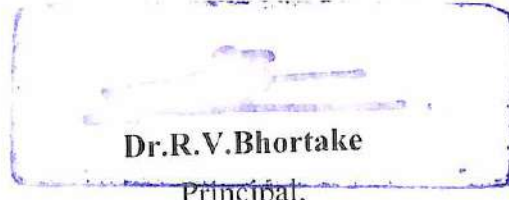
Department of Computer Engineering

**Dr. S.G.Rathod**

Head

Department of Computer Engineering

Internal Examiner



**Dr. R.V. Bhortake**

Principal,

External Examiner

Marathwada Mitra Mandal's Institute of Technology, Pune



MMIT, Department of Computer Engineering

2022-23





“ येशे बहुतांचे हित ”

## CERTIFICATE

This is to certify that the project report entitles

### “PREDICTING COVID-19 TREND USING TIME SERIES ANALYSIS METHODS”

Submitted by

<b>MS. MRUNAL YEMALE</b>	<b>B190594362</b>
<b>MS. NAMARATA KASSA</b>	<b>B190594275</b>
<b>MS. HARSHADA MANKESHWARKAR</b>	<b>B190594256</b>
<b>MS. RUTUJA LOKHANDE</b>	<b>B190594291</b>

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

(Prof. D. B. Satre)

Guide

Department of Computer Engineering

(Prof. S. G. Rathod)

Head,

Department of Computer Engineering

(Dr. R. V. Bhortake)

Principal,

Marathwada Mitra Mandal Institute of Technology Pune – 47

Place : Pune  
Date : 5/6/23



External



## CERTIFICATE

This is to certify that the project report entitles

### Automated Mobility

### Submitted by

Kshitij Patange	B190594313
Aditya More	B190594299
Shubham Phad	B190594348

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

**Prof. Rohini Mahale**  
Internal Guide  
Dept. of Computer Engg.

**Dr. S. G. Rathod**  
Head of Dept.  
Dept. of Computer Engg.

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

Marathwada Mitra Mandal's Institute of Technology, Pune

**Internal**

**External**

Date:

Place:Pune



“येथे बहुतांचे हित”

## CERTIFICATE

This is to certify that the Project Report entitles  
“**Naari Suraksha - Women's Security Android Application**”

Submitted by:

**Student Name:**

**Seat No.:**

Darshan Kashid

B190594274

Kshitij Patil

B190594315

Khushal Vaidya

B190594357

Kshitij Sonje

B190594351

Deep Bhakare

B190594218

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

**Prof. Dinesh Satre**  
Guide

Department of Computer Engineering

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

Department of Computer Engineering

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

Marathwada Mitra Mandal's Institute of Technology, Pune



Signature of Internal Examiner

Signature of External Examiner



## CERTIFICATE

This is to certify that the project report entitles

**“NLP Based GATE Preparation App”**

**Submitted by**

Payal Agarwal	B190594202
Dhananjay Phirke	B190594237
Vaishnavi Kamble	B190594271
Poorva Shinde	B190594341

is a bonafide student of this institute and the work has been carried out by him/her under the supervision of **Prof. V. D. Rewaskar** 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. V. D. Rewaskar)  
Internal Guide  
Dept. of Computer Engg.

(Prof. S. G. Rathod)  
Head of Dept.  
Dept. of Computer Engg.

(Dr. R. V. Bhortake)  
Principal,

Marathwada Mitra Mandal's Institute of Technology, Pune

Place: Pune.

Date: 03/06/23

  
Internal  
External





“ येश्चे बहूनां च हितं ”

## CERTIFICATE

This is to certify that the project report entitles

### DESIGN OF COLLABORATIVE SOCIAL MEDIA PLATFORM USING WEB TOOLS

#### SUBMITTED BY

Mahesh Pandurang Raipatwar	Exam No. B190594328
Shivam Sunil Bachewar	Exam No. B190594212
Shreyas Rajendra Zadge	Exam No. B190594364
Sarang Gorakh Phasale	Exam No. B190594323

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

(Dr. Subhash G. Rathod)

Guide

Department of Computer Engineering

(Dr. Subhash G. Rathod)

HOD

Department of Computer Engineering

(Dr. R. V. Bhortake)

Principal,

Marathwada Mitra Mandal Institute of Technology Pune – 411047

Signature of Internal Examiner

Place: Pune

Date: 3/6/2023



Signature of External Examiner



“येथे व्हतांचे हिल”

## CERTIFICATE

This is to certify that the project report entitles

### “ META-COMMERCE – THE FUTURE OF SHOPPING WITH METAVERSE ”

Submitted by

NAME	SEAT NO.
MISS. BARAWKAR SNEHAL VIJAY	B190594216
MR. BHOLE SHUBHAM NARENDRA	B190594221
MR. MORE KARTIK ATMARAM	B190594300
MR. OMKAR SUDHIRKARANDE	B190594311

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

*SKPatil*

(Prof. Shwetal K. Patil)

Project Guide

Department of Computer Engineering

(Dr. S. G. Rathod)

HOD

Department of Computer Engineering

(Dr. R. V. Bhortake)

Principal

Marathwada Mitra Mandal Institute of Technology Pune-47

Place : Pune

Date : 3/6/2023

*SKPatil*

Internal



External





“येथे बहुतांचे हित”

## CERTIFICATE

This is to certify that the Project Report entitled  
**VISUALIZATION AND COMPARATIVE SIMULATION OF  
PATHFINDING, SEARCHING AND SORTING ALGORITHMS**

Submitted by

Student Name:	Seat No.:
Abhinav Mishra	B190594297
Akshay Lavhaji Patil	B190594205
Dalvi Gaurav Gurunath	B190594232
Dhanawade Ashutosh Jitendra	B190594238

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

**Dr. Subhash G. Rathod**  
Guide

Department of Computer Engineering

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

Department of Computer Engineering

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

Marathwada Mitra Mandal's Institute of Technology, Pune

Signature of Internal Examiner

Place: Pune

Date: 03/06/2023



Signature of External Examiner

SAVITRIBAI PHULE PUNE  
UNIVERSITY 2022 -2023



CERTIFICATE

This is to certify that the project report entitles  
“ Prediction Of Student Performance To Improve  
Learning Experience Using ML”

Submitted by

RADHIKA PATIL	B190594316
SHITAL THANKE	B190594354
JAGRUTI NIKAM	B190594310
SHRUTIKA NAIK	B190594307

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

(Prof. S. S. Chaudhari)

Guide

Department of Computer  
Engineering

(Dr. S. G. Rathod)

Head,

Department of Computer  
Engineering

(Dr. R. V. Bhortake)

Principal,

Marathwada Mitra Mandal Institute of Technology Pune – 47

Place: Pune

Date :

MS

Marathwada Mitra Mandal's Institute of Technology, Pune

Internal



Dr. S. G. Rathod

External

SAVITRIBAI PHULE PUNE UNIVERSITY

2022-23



“येथे बहुतांचे हित”

CERTIFICATE

This is to certify that the project report entitles

“DRUG PILL RECOGNITION SYSTEM USING MACHINE  
LEARNING FOR VISUALLY IMPAIRED PERSONS”


Ms. Anushka Ashok Darvatkar (Exam No.: B190594234)


Ms. Neha Dilip Londhe (Exam No.: B190594292)


Ms. Pooja Sandeep Gund (Exam No.: B190594255)

Mr. Krushna Arvind Dike (Exam No.: B190594242)

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

  
Prof. Sanjay Agrawal  
Internal Guide  
Dept. of Computer Engg.

  
Dr. S. G. Rathod  
Head  
Dept. of Computer Engg.

  
(Dr. R. V. Bhortake)  
Principal.

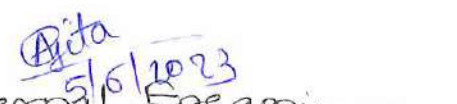
Marathwada Mitra Mandal Institute of Technology Pune

Place: Pune

Date: 03/06/23

  
Internal Examiner



  
External Examiner





“येथे बहुतांचे हित”

## CERTIFICATE

This is to certify that the project report entitles  
“ **BREAST CANCER RISK DETECTION** ”  
Submitted by

Student Name :	Seat No :
Mayuri Bhutkar	B190594223
Srushti Raut	B190594332
Gayatri Gaikwad	B190594248

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

Guide

Department of Computer Engineering

(Dr. S. G. Rathod)

Head,

Department of Computer Engineering

(Dr. R. V. Bhortake)

Principal,

Marathwada Mitra Mandal's Institute of Technology Pune – 47

Signature of Internal Examiner

Signature of External Examiner

Place: Pune

Date: 05/06/2023



Date: 13/05/2023

## Sponsorship Letter

To Whom It May Concern:

Re: Official Sponsorship Approval Letter.

It is with great delight that **Bitmap Technology** has to extend an offer of sponsorship for

**Students Below :**

- Mr. Angad Magar
- Ms. Gauri Budre
- Ms. Vaishnavi Bhogade

A Student Of Engineering And Technology, "**Marathwada Mitra Mandal Institute of Technology**" Is Official Recipient Of Under The Academic Project At **BITMAP Technology** !

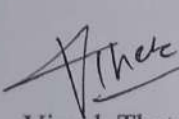
Project Name: "**Fire Detection System**"

Here at Bitmap Technology Pvt. Ltd. Is a Software Service-based company. we are dedicated to fostering new talent and we believe that students has what it takes to make a huge impact. In return we ask that Students display **BITMAP Technology** promotional signs and literature throughout.

The Approval Consists Of Total Expenditure Required For Completion Of The Project.

I look forward to hearing from you soon so that we can move forward with this wonderful opportunity for **BITMAP Technology** and students.

Yours sincerely,

  
Vinod Thete.



For **BITMAP Technology**,

**BITMAP Technology**

4th Floor of Shree Siddhivinayak Building, Above CCD, 1,  
Narhe Pune-411041, Mob No:-9607181257



## CERTIFICATE

This is to certify that the project report entitles


**Object Detection and Disease**


**Prediction For Blind People**


**Submitted by**

Neha Dorage	B190594244
Priyanka Joshi	B190594267
Rutuja Lamkhade	B190594290
Sakshi Musale	B190594306


is a bonafide student of this institute and the work has been carried out by him/her under the supervision of **Prof. Chaitanya S.Bhosale** 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. Chaitanya S. Bhosale)  
Internal Guide  
Dept. of Computer Engg.

  
(Dr. R. V. Bhortake)  
Principal,

  
(Dr. Subhash G. Rathod)  
Head of Dept.  
Dept. of Computer Engg.

Marathwada Mitra Mandal's Institute of Technology, Pune

  
Internal Examiner  
Place: Pune.  
Date: 03/06/2023



  
External Examiner



SAVITRIBAI PHULE PUNE UNIVERSITY

2022 -2023



“येशे बहतांचे हित”

**CERTIFICATE**

This is to certify that the Project Report entitles

“PMPML Pravas”

Submitted by

Mr Pranav Gaikwad

B190594249

Mr Aditya Pachpille

B190594312


Mr Shubham Kandekar

B190594273


Mr Shubham Gore


B190594252


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

  
Prof. N.S. Shaikh  
[ Guide ]

  
Prof. S. G. Rathod  
[ Head of Department ]

  
Dr. R. V. Bhortake  
[ Principal ]

  
Signature of Internal Examiner

  
Signature of External Examiner



SAVITRIBAI PHULE PUNE UNIVERSITY  
2022 -2023



“येशे बहुतांचे हित”

CERTIFICATE

This is to certify that the project report entitles

“College Commune”

SUBMITTED BY

STUDENT NAME	Seat no.
Mr. Suraj Gavle	B190594250
Mr. Abhishek Kadam	B190594268
Mr. Ismail Shaikh	B190594337

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

f.   
MS. R. A. Agrawal

Internal Guide  
Department of Computer Engineering



Dr. S. G. Rathod  
Head of Department  
Department of Computer Engineering

  
(Dr. R. V. Bhortake)

Principal,


Marathwada Mitra Mandal Institute of Technology Pune – 47

Place: Pune

Date: 06/06/2023



f.   
Internal.

  
External

Date – 12 May 2023

**TO WHOM IT MAY CONCERN**

Re : Official Sponsorship Approval Letter.

We would like to confirm that **Ms. Anandi Dipak Deshmukh , Mr. Tejas Babar , Ms. Shreyasi Desai , Mr. Aniket Sawant**, a student of Engineering and Technology, “**Marathwada Mitra Mandal’s Institute Of Technology**” official recipient of scholarship, under the academic project at RG Way Infra Pvt. Ltd.

Project Name – **Soil Fertilization System using IOT**

The approval consists of total expenditure required for completion of the project.

RG Way Infra Pvt. Ltd. is a mainly work on Solid Waste Management System and wormy post fertilization projects. We’re committed to deliver speedy and cost effective services and solutions without compromising on quality.



  
**S.M.Maidankar**  
Director  
RG Way Infra Pvt. Ltd.



SAVITRIBAI PHULE PUNE UNIVERSITY 2022-2023  
CERTIFICATE




This is to certify that the Project Entitled


“Human Fall Detection using CNN”


Submitted by

Vedika Biranje	Exam No: B190594358
Shivani Pandey	Exam No: B190594347
Purushottam Fugate	Exam No: B190594246
Sejal More	Exam No: B190594301

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

  
Prof. T.S. Bhoye  
Guide  
Dept. of Computer Engg.

  
(Dr. S.G. Rathod)  
Head,  
Dept. of Computer Engg.

  
(Dr. R. V. Bhortake) Principal

Marathwada Mitra Mandal Institute of Technology Pune – 47

Place :- Pune

Date:- 05/06/2023

  
Internal



  
External





“वेधे बहुतांचे हित”

### CERTIFICATE

This is to certify that the project report entitles  
“SMART HOME AUTOMATION USING IOT”

Submitted by

MR. AMAN G UMATE

B190594356

MR. FAAIQ YAZDAN

B190594245

MR. YASH DAHAT

B190594231

MR. SANTOSH PATWARI

B190594319

are bonafide student of this institute and the work has been carried out by them under the supervision of **Prof. T. S. Bhoje** 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. Tejaswini Bhoje)

Guide

Department of Computer Engineering

  
(Dr. S. G. Rathod)

Head,

Department of Computer Engineering


  
(Dr. R. V. Bhortake)

Principal,


Marathwada Mitra Mandal Institute of Technology Pune – 47

Place: Pune

Date : 05/06/2023

  
Signature of  
Internal Examiner



  
Signature of  
External Examiner

SAVITRIBAI PHULE PUNE  
UNIVERSITY  
2022-2023



CERTIFICATE

This is to certify that the Project Entitled

**Cyber Security Threat Detection**

Submitted by

**PRAYASI BHADKE**

**SEAT No: B190594217**

**ARCHITA DERE**

**SEAT No: B190594235**


**PRASHANT DHANA WADE**


**SEAT No: B190594239**

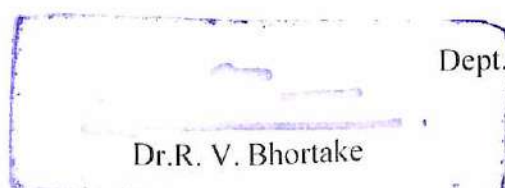
**DURVESH DHENDE**

**SEAT No: B190594241**

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


  
Prof. Devyani Bhonde  
Guide  
Dept. of Computer Engg.

  
Dr. S. G. Rathod  
Head,  
Dept. of Computer Engg.


  
Dr. R. V. Bhortake

Principal

Marathwada Mitra Mandal Institute of Technology Pune - 47

  
Signature of Internal Examiner  
Place: **MMIT, PUNE**  
Date: **05-06-2023**



  
Signature of External Examiner  
**516123**





“येथे अहताचे हित”

CERTIFICATE

This is to certify that the project report entitles  
**DEVNAGARI HANDWRITTEN TEXT RECOGNITION  
USING CNN**

Submitted By:

**Student Name:**

Karan Ramesh Sisodiya

Shubham Balaso Pawar

Chirag Prakash Tank

**Seat No.:**

B190594349

B190594321

B190594353

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

  
**Dr. Subhash G. Rathod**


Guide

Department of Computer Engineering

  
**Dr. Subhash G. Rathod**

HOD

Department of Computer Engineering


  
**Dr. R. V. Bhortake**

Principal

Marathwada Mitra Mandal Institute of Technology, Pune

  
Signature of Internal Examiner



  
Signature of External Examiner

SAVITRIBAI PHULE PUNE UNIVERSITY  
2022 -2023



CERTIFICATE

This is to certify that the project report entitles

**“WORK PRISM: A WORK COMPLIANCE SYSTEM”**

Submitted by

Student Name	Seat No.
Rohan Raut	B190594331
Satyen Patil	B190594317
Rutuja Shingate	B190594345
Muaz Mursal	B190594305

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

(Prof. Devyani Bonde)

Guide

Department of Computer Engineering

(Prof. S. G. Rathod)

Head

Department of Computer Engineering

(Dr. R. V. Bhortake)

Principal

Marathwada Mitra Mandal Institute of Technology Pune – 47

Place: Pune

Date:

INTERNAL

EXTERNAL

MMIT, Department of Computer Engineering 2022-23





“येथे बहतांचे हित”

## CERTIFICATE

This is to certify that the Project Report entitled  
**SEDONA: A MENTAL HEALTH TRACKER**

Submitted by

Student Name	Seat No.
Komal Sharma	B190594287
Atharva Kulkarni	B190594210
Ranjeet Gaikwad	B190594329
Varad Patil	B190594318

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

**Dr. Subhash G. Rathod**

Guide

Department of Computer Engineering

**Dr. Subhash G. Rathod**

H. O. D.

Department of Computer Engineering

**Dr. R. V. Bhortake**

Principal

Marathwada Mitra Mandal's Institute of Technology, Pune



Signature of Internal Examiner

PLACE : MMIT, PUNE

DATE : 03/06/2023

Signature of External Examiner

SAVITRIBAI PHULE PUNE  
UNIVERSITY 2022 -2023



**CERTIFICATE**

This is to certify that the project report entitled  
“REALITY SCOPE: AR TEXTBOOK VISUALIZER”

Submitted by


Shravani Jambure	B190594265
Shriyash Kadam	B190594269
Ridhi Sharma	B190594334
Sohum Gosavi	B190594253

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

  
(Prof. Devyani Bonde)


Guide

Department of Computer Engineering

  
(Prof. S. G. Rathod)

Head

Department of Computer Engineering

  
(Dr. R. V. Bhortake)  
Principal

Marathwada Mitra Mandal Institute of Technology Pune – 47

Place: Pune

Date:

  
INTERNAL

  
5/8/23  
EXTERNAL





# 3TECH SOLUTION PVT LTD

34, Jeevan nagar, Tathawade, Pimpri Chinchwad, Pune, 411033

+91 9975977617 | www.3techsolution.io | contact@3techsolution.io

## TO WHOMSOEVER IT MAY CONCERN

The company has multiple verticals and one of those is Research and Development. The Company has assigned a section of an ongoing project to the students of Marathwada Mitramandal's Institute of Technology, Pune, which will be completed under the observation of the company. All the necessary resources and support in order to successfully complete the POC will be provided to the students. The project code is R2210A-c titled E-Recruitment System Using Django.

Project Manager. Mr. Gajanan Bhosale (+91 7744841379)

Students Allocated on the Project:

- 1.Mr. Rohit Badke
- 2.Mr. Mahesh Aher
- 3.Mr. Tanmay Kanase
4. Mr. Abhay Patil

Company Details:

Name: 3Tech Solution Pvt Ltd

Office Address: 34, Jeevan nagar, Tathawade,  
Pimpri Chinchwad, Pune, 411033

Yours Sincerely,



**Rahul Phatangare,**  
**Head of Operation, 3Tech Solution Pvt Ltd.**

[WWW.3TECHSOLUTION.IO](http://WWW.3TECHSOLUTION.IO)

DATE:- 12 Sep 2022

To,

**Whomsoever it may concern**

This letter is to confirm that the student of Engineering and Technology of  
**“Marathwada Mitra Mandal’s Institute Of Technology”**

Mr. Sanket Sanjay Pawar

Mr. Kunal Shrihari Dingane

Mr. Onkar Abasaheb Yadav

Mr. Kedar Lalit Karche

Official recipient of scholarship, under the academic project **“Detection Of NSFW Content Using ResNet-50”** at Our **Tech Shree Technologies**. The approval consists of total expenditure required for completion of the project.

**Tech Shree Technologies** is a software service based firm. We’re committed to deliver speedy and cost effective services and solutions without compromising on quality, Thanking You.

Regards

TECH SHREE TECHNOLOGIES

श्रीमती. स. व. ग. ग. ग.  
Proprietor



---

**M/S. TECH SHREE TECHNOLOGIES.**

**Regional Office – Civil Line, Paratwada, Dist- Amravati (MH) , 444805**

Contact - +91 9623279282

Email – [techshreetechnologies@gmail.com](mailto:techshreetechnologies@gmail.com) Web Portal – [www.techshreetech.com](http://www.techshreetech.com)





## IN SOURCE TECHNOLOGY

1 FLOOR PRASANNA BUILDING, MODERN  
COLLEGE CHOWK, J.M. ROAD, SHIVAJINAGAR,  
PUNE 411005

### Re:- Sponsorship Support Letter

**Private and Confidential**

**Date: 31/05/2023**

To Whom It May Concern:

Please see the details of my support outlined below:

**Name of students:**

- ✓ Pratik Salunke
- ✓ Sujit Kavitate
- ✓ Swapnil Gawali
- ✓ Uday Sonje

**Relationship of sponsor to student:** PROJECT SPONSORSHIP.

**Length of time support will be provided:** EIGHT MONTHS.

As a valuable member of our community, we would like to arrange sponsorship for the student's effort. During the sponsorship period, we are honor students and his/her important work regarding project. Here our company find out the student's effort to make them diamond.

I appreciate your efforts and beneficial to organization. I look forward to hearing to you.



Truly Obligated,

**IN SOURCE TECHNOLOGY, PUNE-5**



## IN SOURCE TECHNOLOGY

1 FLOOR PRASANNA BUILDING, MODERN  
COLLEGE CHOWK, J.M. ROAD, SHIVAJINAGAR,  
PUNE 411005

### Re:- Sponsorship Support Letter

**Private and Confidential**

**Date: 31/05/2023**

To Whom It May Concern:

Please see the details of my support outlined below:

**Name of students:**

- ✓ Pratik Salunke
- ✓ Sujit Kavitate
- ✓ Swapnil Gawali
- ✓ Uday Sonje

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As a valuable member of our community, we would like to arrange sponsorship for the student's effort. During the sponsorship period, we are honor students and his/her important work regarding project. Here our company find out the student's effort to make them diamond.

I appreciate your efforts and beneficial to organization. I look forward to hearing to you.



Truly Obligated,

**IN SOURCE TECHNOLOGY, PUNE-5**





# Phoenixzone Technologies Private Limited

CIN: U74999PN2016PTC165557

Address: First Floor, Ideals Tower, Sagar Park Society Lane No. 3, Sunita Nagar,  
Wadgaon Sheri, Pune - 411014.

Email: thephoenixzone@gmail.com Mobile No.:7350706868/7350456969

PHXZONE2022-23INT-203

Date: 21-06-22

To  
Head of Department,  
Computer  
Engineering,  
MARATHWADA MITRA MANDAL'S INSTITUTE OF TECHNOLOGY (MMIT),  
Lohegaon  
Pune-  
411047.

**Re: Official Sponsorship Approval Letter.**

Respected sir,

Phoenixzone Technologies Private Limited runs sponsorship program for students pursuing the final year of their graduation in Engineering on a yearly basis. This is a year-long project, and we tend to project with the students throughout their academic schedule.

**Name of Students:**

1. Sarthak Surve
2. Ammar Sakriwala
3. Atharv Kalekar
4. Karan Dabare

Project Name: "Computer Vision For Casualty Detection "

Domain: "Machine Learning"

Duration: July 2022 to June 2023

Phoenixzone Technologies Private Limited is going to sponsor all the software, technology, and training requirements to the above mentioned students for successful execution of the project. We are also permitting the students to use the code, application and data developed in the project for dissertation, presentation and assessment to their academic institute for the purpose of certifying their Final Year of B.E. Project.



Sapriya Pawar  
(Director)

PhoenixZone Technologies Pvt. Ltd  
Pune  
(thephoenixzone.com)



“येथे बहुतांचे हित”

## CERTIFICATE

This is to certify that the project report entitles

### “ONLINE AUCTION SYSTEM”

Submitted by

MS. AADIKA YENARE

SEAR NO. B190594363

MR. SANKET KHANDARE

SEAT NO. B190594282

MR. ROHAN DHAWALE

SEAT NO. B190594240

MR. ABHAY BIRAMANE

SEAT NO. B190594225

is a bonafide student of this institute and the work has been carried out by him under the supervision of Prof. V.V. CHAVAN 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. V.V. CHAVAN)

Guide

Department of Computer Engineering

(Dr. S. G. RATHOD)

HOD

Department of Computer Engineering

(Dr. R. V. BHORTAKE)

Principal,

Marathwada Mitra Mandal Institute of Technology Pune – 47

Internal Examiner

External Examiner

Place: Pune

Date: 05/06/2023



SAVITRIBAI PHULE PUNE  
UNIVERSITY 2018 -2019



**CERTIFICATE**

This is to certify that the project report entitles

**“DECENTRALIZED CHAT SYSTEM USING BLOCKCHAIN  
TECHNOLOGY”**

Submitted by


STUDENT NAME

Exam No :

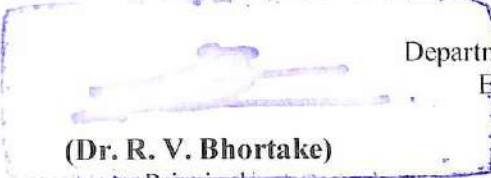
ONKAR KULKARNI  
TRUPTI UBALE  
GAYATRI NIKAM  
RUSHALI KHALKAR

B190594288  
B190594355  
B190594309  
B190594279

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

  
(Prof. Y.B.Dongare)  
Guide  
Department of Computer  
Engineering

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


  
(Dr. R. V. Bhortake)  
Principal,

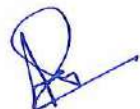
Marathwada Mitra Mandal Institute of Technology Pune – 47

Place: Pune



Date: 5-6-2023

  
Internal Examiner

  
External Examiner

Date: 17/04/2023

To,  
**Prof A.K.Bhise**

Name of students:

- 1)Komal Thoke
- 2)Pratiksha Thombare
- 3)Swapnali Choudhar
- 4)Snehal Shinde

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

Name of Sponsor: **Sonali Rodge**  
Designation: **Director**

**To whom it may concern**

**Sub: Internship training for Academic project.**

Respected Sir/Mam,

With reference to the above subject, I am Sonali Rodge, Director, Rudratech Solutions. We sponsor and provide permission for doing Academic project **Abnormal Activity Detection via Social Media**. Our concern for the period from 1/08/2022-30/04/2023 to all the students listed above. During this period, all the students will be designated as "Trainee". Details and scope of his project will be provided to them on their first day of training at the company. Upon successful completion of the training, they will be issued certificates. They will be required to submit a copy of the detailed project report before completion of the training to company and college. You can send the internal guide to visit the company at any time to verify and validate the work progress of the students.

This training period with our Company will entail dealing with important and sensitive information, records and such other matters of the company. They will. Therefore, be required to sign a "code of Conduct and Secrecy Agreement" of our company on the first day of training.



**Sonali Rodge**  
**(Founder and CEO)**

Mob: 9307089477  
Email: rudratechieee@gmail.com

SPONSORSHIP ● IEEE PROJECT DEVELOPMENT ● TRAINING ● INTERNSHIP

OFFICE NO.9, R-SQUARE BULDING, PUNE BANGLORE BYPASS, MOTIRAM NAGAR, WARJE,  
PUNE- 411058





This is to certify that the project report entitles

**"Leaf Disease Detection Using Machine Learning"**

Submitted by

**MR. VISHWAJEET BHALERE**  
**MR. SHIVAM RAHINJ**  
**MR. UMESH BHOSALE**  
**MS. RENUKA CHALWADI**

**SEAT NO. B190594359**  
**SEAT NO. B190594327**  
**SEAT NO. B190594222**  
**SEAT NO. B190594228**

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

**(Prof Vikas Chavan)**  
Guide  
Dept. of Computer Engg.

**(Dr. Subhash Rathod)**  
Head  
Dept. of Computer Engg

**(Dr. R. V. BHORTAKE)**  
Principal,

Marathwada Mitra Mandal Institute of Technology Pune - 47

**( Internal Examiner)**  
Place: Pune  
Date: 05 June 2023



**(External Examiner)**