

P K Technical Campus
Kadachiwadi, Chakan-410501

॥ विद्याय एवम् सर्वं सिद्ध्यति ॥



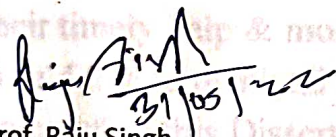
Foundation

CERTIFICATE

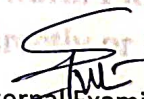
This is to certify that **Mr. Kurnapalle Eknath Baburao, Mr. Pihulkar Piyush Mukesh Mr. Panchal Akash Amar Mr. Gaonkar Vaibhav Prakash** has successfully completed the Project Stage-I entitled "**Design And Development Of Multi-Crop Thresher**" under my supervision, in the partial fulfilment of Bachelor of Engineering (Mechanical Engineering) of Savitribai Phule Pune University, Pune.

Date:

Place: Chakan, Pune


Prof. Raju Singh.

Guide


Internal Examiner


Prof. S.N. Patil.

Head of the department
Dept. of Mechanical Engineering
PKTC Chakan

P.K. Technical Campus, Chakan, Pune

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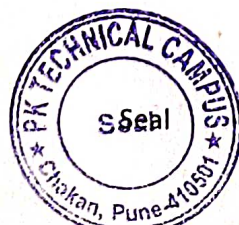
Principal

PKTC Chakan

Principal

P.K. Technical Campus
Kadachiwadi, Chakan,
Pune-410501


External Examiner



P K Technical Campus
Kadachiwadi, Chakan-410501

॥ विद्याच एवम् सर्व सिध्दी ॥



Foundation

CERTIFICATE

This is to certify that **Kuldip S Lagade, Yeshudas B Mahajan, Chetan P Nikam, Satish V Mahajan** have Successfully completed the Dissertation entitled "**Experimental Study of Performance of Conical Solar Still Using Nanofluid**" Under my supervision, in the partial fulfillment of Bachelor of Engineering (Mechanical Engineering) of Savitribai Phule Pune University, Pune.

Date: / /2022

Place: Chakan, Pune.

Prof. Sanjay Kumar. S

Guide

Internal Examiner

External Examiner

Prof. S.N. Patil,

Head, Mechanical Engineering
Dept. of Mechanical Engineering
P.K. Technical Campus, Chakan, Pune



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॥ विद्याय एवम् सर्व सिद्धी ॥




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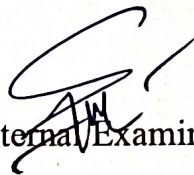
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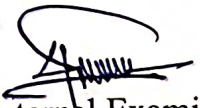
This is to certify that **Pradip Dattatraya Hingane, Dinesh Anant Mandke, Nivrutti Jagnannath Ghadge & Akshay Diliprao Deshmukh** have successfully completed the Dissertation entitled "AUTOMATED WELDING MACHINE" under my supervision, in the partial fulfilment of Bachelor of Engineering (Mechanical Engineering) of Savitribai Phule Pune University, Pune.

Date:

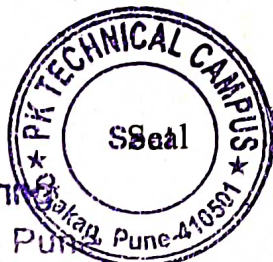
Place:

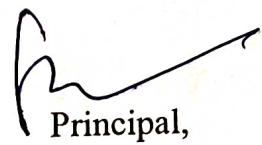

Prof. Raju Singh
Guide


Internal Examiner


External Examiner


Prof. S.N. Patil
Head, Mechanical Engineering
Dept. of Mechanical Engineering
P.K. Technical Campus, Chakan, Pune




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PK Technical Campus, Chakan
P.K. Technical Campus
Kadachiwadi, Chakan,
Pune-410501

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Kadachiwadi, Chakan-410501.

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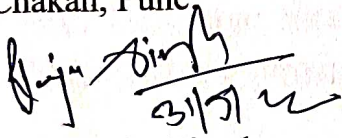
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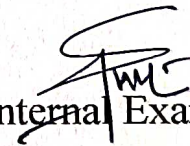
CERTIFICATE

This is to certify that Mr. Sainath Chakrawar, Mr. Ajinkya Koulwar, Mr. Aditya Pawale & Mr. Gautam Thakur has Successfully completed the project entitled 'Retrofitting of Traditional Lathe Machine' Under supervision, in the partial fulfillment of Bachelor of Engineering in Mechanical University of Pune.

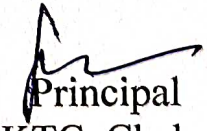
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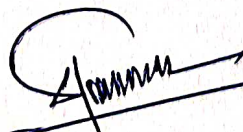
Place: Chakan, Pune


Prof. Raju Singh
Guide


Internal Examiner


Head of the Department
PKTC, Chakan
Dept. of Mechanical Engineering
P.K. Technical Campus, Chakan, Pune


Principal
PKTC, Chakan
Principal
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Kadachiwadi, Chakan,
Pune-410501


External Examiner



P.K Technical Campus
Kadachiwadi, Chakan-410501

॥ विद्याय एवम् सर्व सिद्धी ॥



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CERTIFICATE

This is to certify that **Mr. KIRAN RAVINDRA KHANDARE, Mr. SHIVAMKUMAR ASHOK MANE, Mr. BALASAHEB DHANRAJ PATIL, Mr. DARSHAN DASHARATH DHORE** has successfully completed the Dissertation entitled "**Design and Modification of Propeller Shaft Generating Electricity**" under my supervision, in the partial fulfilment of Bachelor of Engineering (Mechanical Engineering) of Savitribai Phule Pune University, Pune.

Date:

PROF. SATISH PATIL

Guide

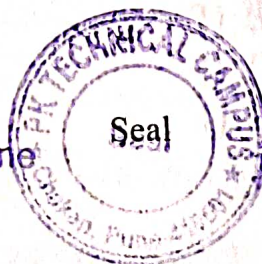
Internal Examiner

External Examiner

Prof. S.N. Patil

Head, Mechanical Engineering
Dept. of Mechanical Engineering

P.K.P.K. Technical Campus, Chakan, Pune



Principal,

Principal

P.K. Technical Campus,
Kadachiwadi, Chakan,
Pune-410501

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॥ विद्याम् एवम् सर्वं शिष्यी ॥



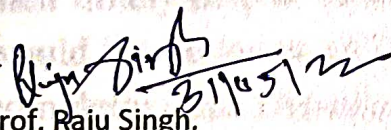
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CERTIFICATE

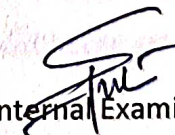
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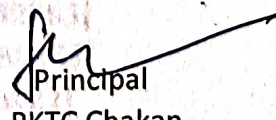
Place: Chakan,Pune



Prof. Raju Singh.

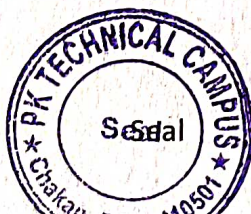
Guide


Internal Examiner


Prof. S.N. Patil.
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Mechanical Engineering
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P.K. Technical Campus, Chakan, Pune


Principal
PKTC Chakan
P.K. Technical Campus
Kadachiwadi, Chakan,
Pune-410501


External Examiner



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Chakan, Pune – 410501

॥ विद्याय् एवम् सर्व सिध्दी ॥



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CERTIFICATE

This is to certify that *Dilip J Walase, Nilesh N Joshi, Darshan Manjrekar, Mahendra Vengurlekar* has Successfully Completed the Project entitled “CAR TOWING MACHINE” Under My Supervision in the Partial Fulfillment of Bachelor of Mechanical Engineering University of Pune.

Date: 27-05-2022

Place : Chakan, Pune.

Prof. Raju Singh

Guide

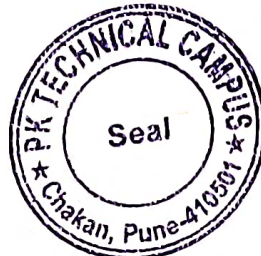
External Examiner

Prof. S.N. Patil

Head

Head Mechanical Engineering
Dept. of Mechanical Engineering

P.K. Technical Campus, Chakan, Pune

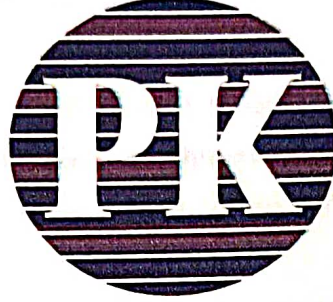


Principal

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Pune-410501

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॥ विद्याच् एवम् सर्व सिध्दी ॥



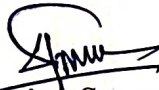
Foundation


CERTIFICATE


This is to certify that **Mr. Waychol Akash, Mr. Surve Shubhankar, Mr. Shaikh Alim, Mr. Surve Akash** has successfully completed the Dissertation entitled “**Water To Fuel Converter**” under my supervision, in the partial fulfilment of Bachelor of Engineering (Mechanical Engineering) of Savitribai Phule Pune University, Pune.

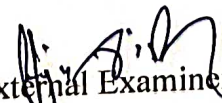
Date:


Place: Chakan, Pune.

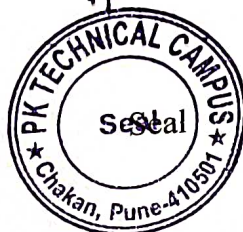

Prof. Sanjay Sonavane
Guide


Internal Examiner


Prof. S.N. Patil
Head of Department,
Dept. of Mechanical Engineering
PKTC Chakan
P.K. Technical Campus, Chakan, Pune


External Examiner


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PKTC Chakan
P.K. Technical Campus
Kadachiwadi, Chakan,
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॥ विद्याय एवम् सर्वं शिष्ये ॥



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CERTIFICATE


This is to certify that **Mr. Prashant Varpe, Miss. Vaishanavi Dudhile, Mr. Pramod Jadhav, Mr. Siddeshwar Patil**, has successfully completed the Project Stage-II report entitled "**Productivity Improvement through using multi-Cavity Die Manufacturing**" under my supervision, in the partial fulfilment of Bachelor of Engineering (Mechanical Engineering) of Savitribai Phule Pune University of Pune.

Date:

Place:



Prof. S. N. Patil
Guide

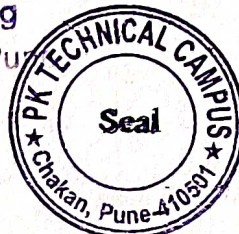

Internal Examiner


Prof. S. N. Patil
Head of Department
P.K. Technical Campus, Chakan, Pune


Prof. Raju Singh
Project Coordinator


External Examiner


Principal
P K Technical Campus, Chakan
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Kadachiwadi, Chakan,
Pune-410501



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Chakan, Pune - 410501

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CERTIFICATE

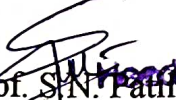
This is to certify that **Mr. Argade Swapnil, Mr. Patil Yashodip, Mr. Chopdar Pavan & Mr. Patil Amol** has successfully completed the project entitled "Automatic Car parking system" under my supervision, in the partial fulfilment of Bachelor of Engineering - Mechanical Engineering of University of Pune.


Date:

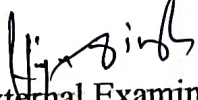
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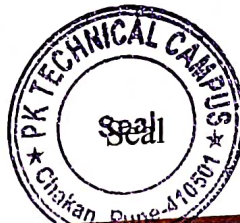

Prof. H. Tikate
Guide


Internal Examiner


Prof. S. N. Patil
Dep. Head of the Department
P.K. Technical Campus, Chakan, Pune


Principal
P.K. Technical Campus
Kadachiwadi, Chakan,
Pune-410501


External Examiner



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PK Technical Campus
Chakan-410501

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॥ विद्याय एवम् सत्यं सिद्धी ॥



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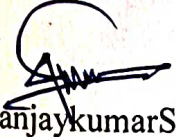
Mission of Pratap Khandebharad


CERTIFICATE


This is to certify that **Mr. Akshay Tarade, Mr. Baswaraj Bhure, Mr. Vikas Tiwari**, has successfully completed the Analysis of Spur Gear under my supervision, in the partial fulfillment of Bachelors in Mechanical Engineering of Savitribai Phule Pune University.

Date:

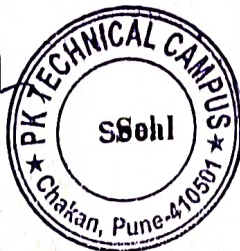
Place:



Prof. Sanjay Kumar Sonawane
Guide


Prof. S. N. Patil
HOD
Dept. of Mechanical Engineering
P.K. Technical Campus, Chakan, Pune

Internal Examiner :- 

External Examiner :- 




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P.K. Technical Campus, Chakan
Kadachiwadi, Chakan
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॥ विद्याच् एवम् सर्व सिध्दी ॥



Foundation

CERTIFICATE

This is to certify that **Chavan Parth Dattatray , Yelwande Nikhil Hanumant , Gailkwad Sachin Maruti , Patole Hemant Satyawar** has successfully completed the Dissertation entitled "Parkingson Gear Tester" under my supervision, in the partial fulfilment of Bachelor of Engineering (Mechanical Engineering) of Savitribai Phule Pune University, Pune.

Date:

Place: Chakan

Professor Sanjay Sonawane
Guide

Professor S.N. Patil
Head of Department
PKTC Chakan

Internal Examiner

Principal
PKTC Chakan
Principal
P.K. Technical Campus
Kadachiwadi, Chakan,
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॥ विद्याच् एवम् सार्व सिध्दी ॥



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CERTIFICATE

This is to certify that **Mr. DARSHAN DASHARATH DHORE** has successfully completed the Dissertation entitled “**Design and Modification of Propeller Shaft Generating Electricity**” under my supervision, in the partial fulfilment of Bachelor of Engineering (Mechanical Engineering) of Savitribai Phule Pune University, Pune.

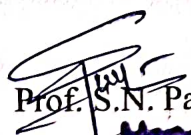
Date:


PROF. SATISH PATIL

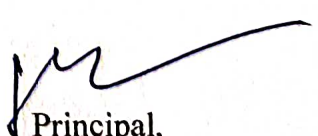
Guide


Internal Examiner


External Examiner


Prof. S.N. Patil
Head, Mechanical Engineering
Dept. of Mechanical Engineering
P.K. Technical Campus, Chakan, Pune




Principal,
P.K. Technical Campus,
Chakan,
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P.K. Technical Campus
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॥ विद्याच् एवम् सर्व सिध्दी ॥




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CERTIFICATE

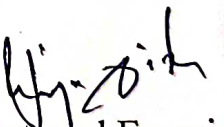
This is to certify that **Mr. Jadhav Vishnukant Govind, Mr. Raut Roshan Narendra Mr. Mule Vikas Rajendra Mr. Kobal Shubham Maruti** has successfully completed the Dissertation entitled "**Automobile Brake Failure Indicator with Buzzer**" under my supervision, in the partial fulfillment of Bachelor of Engineering (Mechanical Engineering) of Savitribai Phule Pune University, Pune.

Date:


Place:

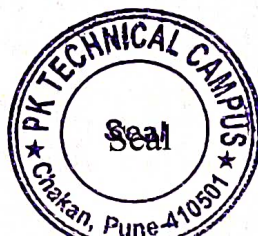

Asst. Prof. S.N. Patil
Guide


Internal Examiner


External Examiner


Asst. Prof. S. N. Patil
Head
Head of Mechanical Engineering
P.K. Technical Campus Chakan Pune


Principal
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Principal
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Pune-410501



P K Technical Campus

Chakan, Pune – 410501

॥ विद्याय एवम् सर्व सिद्धी ॥



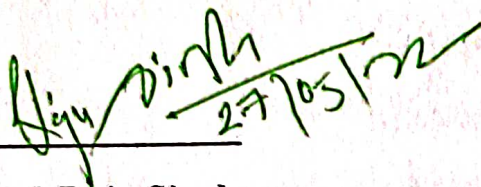
Foundation

CERTIFICATE

This is to certify that **Giri Mohangiri, Abhilash Valsange, Shreeyash Reddi, Aditya Gawade** has Successfully Completed the Project entitled “Use of Solar Panel As a Wind Turbine Energy Hybridization” Under My Supervision in the Partial Fulfillment of Bachelor of Mechanical Engineering University of Pune.

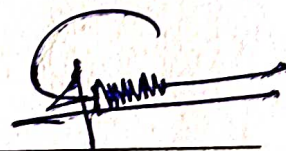
Date:

Place : Chakan, Pune.



27/05/22

Prof. Raju Singh

Guide



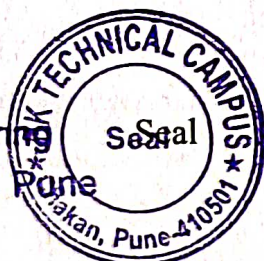
External Examiner

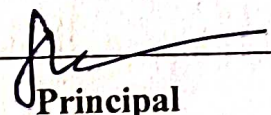


Prof. S.N. Batil

Dep. of Mechanical Engineering

P.K. Technical Campus, Chakan, Pune





Principal

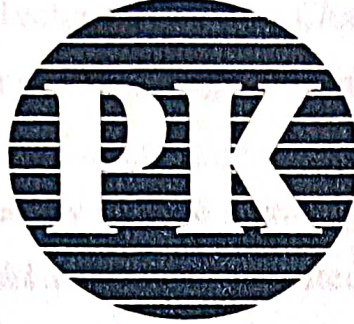
P.K. Technical Campus

Kadachiwadi, Chakan,
Pune-410501

[2021 - 22]

P. K. Technical Campus
Kadachiwadi, Chakan-410501

॥ विद्याच् एवम् सर्व सिध्दी ॥




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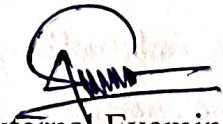
This is to certify that *Mr. Ghadekar Avinash P., Mr, Jadhav Saurabh N., Mr. Khose Rushikesh J., Mr. Nayak Harvansh S.* has successfully completed the Dissertation entitled “**Cyclone Dust Collector**” under my supervision, in the partial fulfilment of Bachelor of Engineering (Mechanical Engineering) of Savitribai Phule Pune University, Pune.


Date:

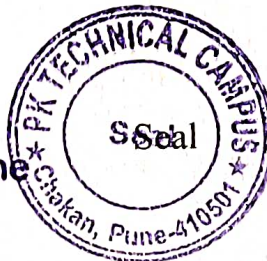
Place: Chakan, Pune

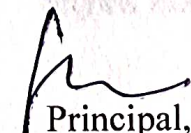

Prof. Raju Singh
Guide


Internal Examiner


External Examiner


Prof. S. N. Patil
Head, Mechanical Engineering
Dept. of Mechanical Engineering
P.K. Technical Campus, Chakan
P.K. Technical Campus, Chakan, Pune




Principal,
P.K. Technical Campus,
Kadachiwadi, Chakan,
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[2021 - 22]

P. K. Technical Campus
Kadachiwadi, Chakan-410501

॥ विद्याच् एवम् सर्व सिध्दी ॥



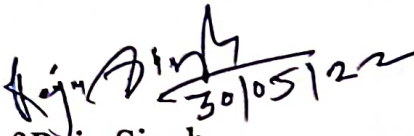
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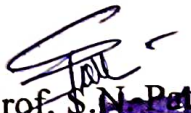
Date:

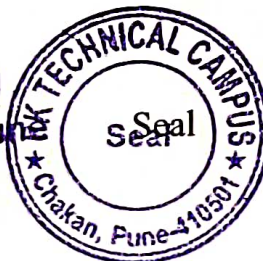
Place: Chakan, Pune

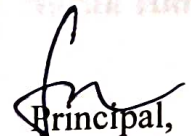

Prof. Raju Singh
Guide


Internal Examiner


External Examiner


Prof. S. N. Patil
Head, Mechanical Engineering
Dept. of Mechanical Engineering
P.K. Technical Campus, Chakan, Pune




Principal,
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Kadachiwadi, Chakan,
Pune-410501

P K Technical Campus
Chakan, Pune - 410501

॥ विद्याय एवम् सर्व सिद्धी ॥



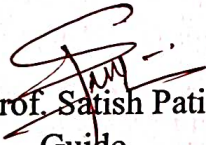
Foundation

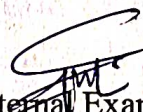
CERTIFICATE


This is to certify that **Mr. Buradkar Mahendra, Mr. Bhalewar Komalkumar, Mr. Pawar Vikas & Mr. Burman Pawan** has successfully completed the project entitled "T-shirt Folding Machine" under my supervision, in the partial fulfilment of Bachelor of Engineering - Mechanical Engineering of University of Pune.


Date:

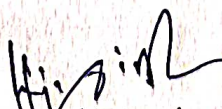
Place: Chakan, Pune.


Prof. Satish Patil
Guide

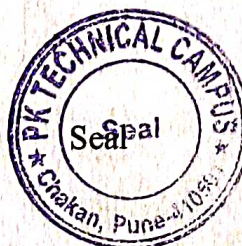

Internal Examiner


Prof. S.M. Patil
Head of the Department
Dept of Mechanical Engineering
P.K. Technical Campus, Chakan, Pune


Principal
PKTC Chakan

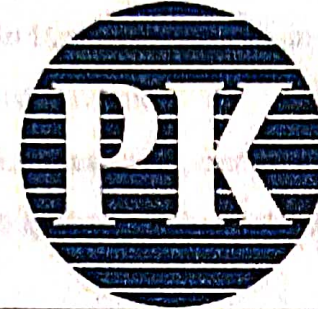

External Examiner

Principal
P.K. Technical Campus
Kadachiwadi, Chakan,
Pune-410501



ACKNOWLEDGEMENT [2021-22]

P. K. Technical Campus
Kadachiwadi, Chakan -410501



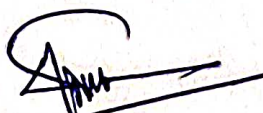
Foundation


CERTIFICATE

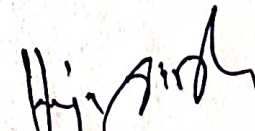
This is to certify that **Mr. Koke Rahul Shyam, Mr. Masarguppi Suhel D., Mr. Raut Roshan Shankar, Mr. Tope Abhishek Vilas** has successfully completed the Dissertation entitled **"FINITE ELEMENT ANALYSIS AND OPTIMIZATION OF A WISHBONE"** under my supervision, in the partial fulfilment of Bachelor of Engineering (Mechanical Engineering) of Savitribai Phule Pune University, Pune.

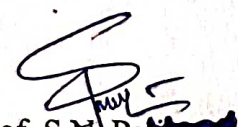
Date:

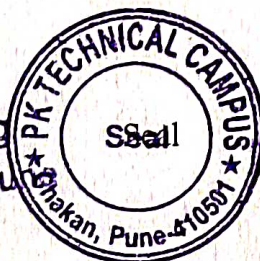
Place: Chakan, Pune.



Prof. S.S. Sonawane
Guide


Internal Examiner


External Examiner


Prof. S.N. Patil
Head, Mechanical Engineering
P.K. Technical Campus, Chakan, Pune




Principal,
P.K. Technical Campus, Chakan
P.K. Technical Campus
Kadachiwadi, Chakan,
Pune-410501

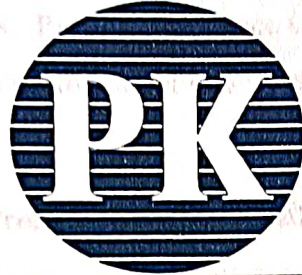
PK Foundation's

P K TECHNICAL CAMPUS, KADACHIWADI,

CHAKAN -410501

AY-(2021-2022)

॥ विद्याच् एवम् सर्व सिद्धी ॥



Foundation


Mission of Pratap Khandebharad

CERTIFICATE

This is to certify that **Mr. Vinayak S. Naikare, Mr. Abhishek S. Naikare, Mr. Aniket S. Naikare, Mr. Vikas G. Chaudhari** has successfully completed the dissertation entitled **Power generation through footsteps** under my supervision, in the partial fulfillment of Bachelors in Mechanical Engineering of Savitribai Phule Pune University.

Date:


Place:



Prof. S.N. Patil
Guide

Internal Examiner :-

External Examiner :-




Prof. S.N. Patil
Dept. of Mechanical Engineering
HOD
P.K. Technical Campus, Chakan, Pune
P.K. Technical


Principal
P.K. Technical Campus,
Kadachiwadi, Chakan,
Pune-410501

P K Technical Campus,
Chakan Pune-410501

॥ विद्याय एवम् सार्य सिद्धी ॥



Foundation

CERTIFICATE

This is to certify that **Mr. Swapnil Kumbhar, Mr. Yogesh Suryawanshi, Mr. Hanuman More, Mr. Tejas Patil**, has successfully completed the Project Stage-II report entitled **“Design of solar powered dehydrator”** under my supervision, in the partial fulfilment of Bachelor of Engineering (Mechanical Engineering) of Savitribai Phule Pune University.

Date: 30/05/22

Place: Pune

Prof. Raju Singh
Guide

Internal Examiner

Principal

PK Technical Campus, Chakan

Principal

**P.K. Technical Campus
Kadachiwadi, Chakan,
Pune-410501**

Prof. Satish Patil
HOD Mech Engg Department
Dept. of Mechanical Engineering
P.K. Technical Campus, Chakan, Pune

External Examiner



P K Technical Campus
Kadachiwadi, Chakan-410501

॥ विद्याय एवम् सर्व सिद्धी ॥



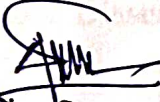
Foundation

CERTIFICATE

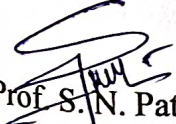
This is to certify that Mr. Bhushan Deshmukh, Mr. Akshay Jagtap, Mr. Dipak Jagdane, Mr. Siddharth Pawale, has successfully completed the Project Stage-II report entitled "Design and development of spur pinion in loading condition with different materials" under my supervision, in the partial fulfilment of Bachelor of Engineering (Mechanical Engineering) of Savitribai Phule Pune University.

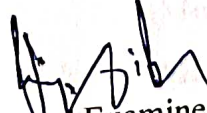
Date:

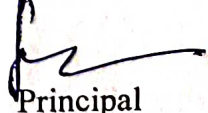
Place:


Prof. Sanjay Sonavane
Guide


Internal Examiner


Prof. S.N. Patil
Head
Head Of Department
Department of Mechanical Engineering
PKTC, Chakan
P.K. Technical Campus, Chakan, Pune

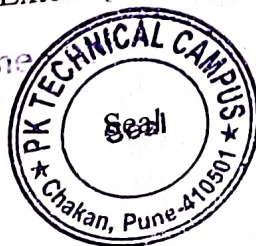

External Examiner


Principal

PKTC, Chakan

Principal

P.K. Technical Campus
Kadachiwadi, Chakan,
Pune-410501



PK Technical Campus
Kadachiwadi, Chakan-410501

॥ विद्याच् एवम् सर्वं सिध्दी ॥




Foundation


CERTIFICATE


This is to certify that **Mr.Solanke Vaibhav , Mr.Shubham Sudke , Mr.Pratik Shinde , Mr.Vikas Sadafule** has Successfully completed the project stage-2 entitled **“Solar based Agricultural spray pump”** Under my supervision, in the partial fulfilment of Bachelor of engineering (Mechanical Engineering) of Savitribai Phule Pune University of Pune.

Date:

Place: Chakan, Pune


Prof. Raju Singh
Guide


Internal Examiner


Prof. S.N. Patil
Head

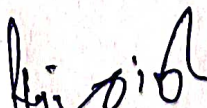

Principal

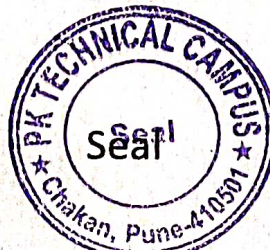
Dept. of Mechanical Engineering

PK Technical Campus

P.K. Technical Campus, Chakan, Pune

Principal
P.K. Technical Campus
Kadachiwadi, Chakan,
Pune-410501


External Examiner





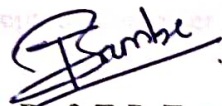
P K TECHNICAL CAMPUS
DEPARTMENT OF COMPUTER ENGINEERING
CERTIFICATE


This is to certify that the project report entitled
“Machine Learning For Heart Disease Detection”


Submitted by

Miss. Chavan Pooja Popat	Exam Seat No: B151154213
Miss. Rakshanda Suresh Jumbad	Exam Seat No: B151154230
Miss. Asha Shahaji Shinde	Exam Seat No: B151154263
Miss. Urmila Narsu WAdikar	Exam Seat No: B151154268

is a bonafide student of this institute and the work has been carried out by him/her under the supervision of Prof. T. B. Tambe 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. B. Tambe
Internal Guide
Dept. of Computer Engg.


Prof. S. R. Bhujbal
Head of Dept. Engineering
Department of Computer Engg. Pune-410501
P K Technical Campus, Chakan, Pune-410501


External Examiner


Principal





P K TECHNICAL CAMPUS
DEPARTMENT OF COMPUTER ENGINEERING
CERTIFICATE

This is to certify that the project report entitled

Mr. P. "Online Voting System Using Face Detection Based On OTP"

Mr. Rokade Aakash Haribhau

Exam Seat No B151154256

Mr. Gavhane taterao Chandrakant

Exam Seat No B151154220

Submitted by

Mr. Gaikwad Prathmesh Balu

Exam Seat No: B151154218

Mr. Bhujbal Ajit Manik

Exam Seat No: B151154201

Mr. Rokade Aakash Haribhau

Exam Seat No: B151154256

Mr. Gavhane taterao Chandrakant

Exam Seat No: B151154220

Mr. Sandbhor Sagar Rohidas

Exam Seat No: B151154260

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

Internal Guide

Dept. of Computer Engg.

Prof. S. R. Bhujbal

Internal Guide

Dept. of Computer Engg.

Prof. S. R. Bhujbal

Head of Dept.

Dept. of Computer Engg.

Prof. S. R. Bhujbal

Head of Dept.

Dept. of Computer Engg.

Department

P K Technical Campus, Chakan, Pune-410501

External Examiner



Principal

॥ विद्यायां सत्यं सर्वं विद्यते ॥



Foundation

CERTIFICATE

This is to certify that the project report entitles

“Sign Language Recognition Using Python And OpenCV”

Submitted By

Mr. Ravindra Bula

Exam Seat No: B151154212

Miss. Dipalee Golekar

Exam Seat No: B151154222

Miss. Rutuja Hole

Exam Seat No: B151154227

Mr. Sidheshwar Katare

Exam Seat No: B151154233

is a bonafide students of this institute and the work has been carried out by him/her under the guidance of Asst. Prof. S. R. Bhujbal 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. R. Bhujbal

Internal Guide

Dept. of Computer Engg.


Prof. S. R. Bhujbal


Head of Dept.

Dept. of Computer Engineering

PK Technical Campus, Chakan, Pune-410501


Principal

PK Technical Campus, Chakan


Signature of Internal Examiner




Signature of External Examiner

॥ विद्याया एवम् सर्वं सिध्यति ॥



Foundation

Mission of Pratap Khandebharad

CERTIFICATE

This is to certify that the Project Entitled
**WOMEN'S SELF PROTECTING SYSTEM
USING VOICE RECOGNITION AND IMAGE CAPTURING**

Submitted by

Ms. Shweta Sujit Sharma

Exam Seat No: B151154262

Ms. Kajal Santosh Sandbhor

Exam Seat No: B151154259


Ms. Pradnya Barikrao Jawale


Exam Seat No: B151154229

Ms. Ashwini Arun Jangle

Exam Seat No: B151154205

is a bonafide work carried out by Students under the supervision of Prof. Swapnali R. Bhujbal and it is submitted towards the partial fulfillment of the requirement of Bachelor of Engineering (Computer Engineering) Project.


Prof. S. R. Bhujbal
Internal Guide
Dept. of Computer Engg.


Prof. S. R. Bhujbal
Head of Dept.
Dept. of Computer Engineering
P K Technical Campus, Chakan, Pune-410501


Principal
P K Technical Campus


External Examiner



॥ विद्यायां एवम् सर्वं शिष्यी ॥



Foundation

**P K TECHNICAL CAMPUS
DEPARTMENT OF COMPUTER ENGINEERING**

CERTIFICATE

This is to certify that the project report entitles
**"IOT BASED AGRICULTURE MONITORING
SYSTEM"**

Submitted by

Mr. Bhelave Jayramdas Rajkumar

Exam No: B151154209

Mr. Manjare Babaji Baban

Exam No: B151154243

Mr. Kapse Gaurav Vijay

Exam No: B151154232

Mr. Barne Nilesh Santosh

Exam No: B151154208

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

Prof. S. R. Bhujbal
Head Dept.
Dept. of Computer Engineering
Department of Computer Engg. Pune-410501
P K Technical Campus, Chakan

External Examiner

Principal
PK Technical Campus, Chakan



॥ विद्याया एवम् सर्वं शिष्यी ॥



Foundation

CERTIFICATE

This is to certify that the project report entitles

“REAL TIME DRIVER’S DROWSINESS DETECTION SYSTEM”

Submitted by

Miss. Dawane Prajakta Yashavant

Exam Seat No: B151154215

Miss. Kautkar Damini Subhash

Exam Seat No: B151154234

Miss. Sabale Namrata Sunil

Exam Seat No: B151154257

Miss. Jamdar Prajakta Santosh

Exam Seat No: B151154253

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

Internal Guide

Dept. of Computer Engg.


Prof. S. R. Bhujbal

Head of Department

Dept. of Computer Engg.

Pune-410501
P K Technical Campus, Chakan.


Signature of External Examiner


Principal

P K Technical Campus, Chakan.





P K TECHNICAL CAMPUS
DEPARTMENT OF COMPUTER ENGINEERING
CERTIFICATE

Miss. Salunkhe Sneha Bhaskar Exam Seat No: B151154258

Miss. Bandel Pooja Deepak Exam Seat No: B151154207

Miss. Lawande Pratiksha Jagannath Exam Seat No: B151154241

Miss. Patil Sayali Shankar Exam Seat No: B151154249

Submitted by

Miss. Salunkhe Sneha Bhaskar

Exam Seat No: B151154258

Miss. Bandel Pooja Deepak

Exam Seat No: B151154207

Miss. Lawande Pratiksha Jagannath

Exam Seat No: B151154241

Miss. Patil Sayali Shankar

Exam Seat No: B151154249

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

Internal Guide
Dept. of Computer Engg.

Prof. T. B. Tambe
Internal Guide
Dept. of Computer Engg.

Head of Dept.
Dept. of Computer Engg.

Prof. S. R. Bhujbal
Head of Dept.
Dept. of Computer Engg.
P K Technical Campus, Chakan, Pune-410501

External Examiner



Principal
P K Technical Campus, Chakan

॥ विद्यायां सत्यं सर्वं निपद्यते ॥



Foundation

Mission of Pratap Khandekar

CERTIFICATE

This is to certify that the project report entitles

“Patients Identification using Biometric”

Submitted By

Mr. Tushar Dattu Sangale

Exam Seat No:72011601F

Mr. Niraj Somanath Nikam

Exam Seat No:72016433J

Miss. Apeksha Sunil Nikam

Exam Seat No:72011592C

Mr. Omkar Anil Gaikwad

Exam Seat No:72011581H

is a Bonafede student of this institute and the work has been carried out by him under the supervision of **Prof. T.B. Tambe** 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.B. Tambe
Internal Guide
Dept. of Computer Engineering

Prof. S.R. Bhujbal
Head of Department
Dept. Computer Engineering
P.K. Technical Campus, Chakan, Pune-410501

External Examiner

Principal
P.K. Technical Campus, PUNE

Place:

Date:





**P K TECHNICAL CAMPUS
DEPARTMENT OF COMPUTER ENGINEERING**

CERTIFICATE

This is to certify that the project report entitled
“HANDY: MEDIA PLAYER CONTROLLER”

Submitted by


Mr. Yadav Anikesh Mukesh Exam Seat No: B151154269

Mr. Patil Omkar Vidyadhar Exam Seat No: B151154248


Mr. Patil Kalpesh Pravin Exam Seat No: B151154247

Mr. Jadhav Rushikesh Appasaheb Exam Seat No: B151154228

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


External Examiner


Prof. S. R. Bhargava
Head of Department
Department of Computer Engineering
P K Technical Campus, Chakan, Pune-410501


Principal
P K Technical Campus



॥ विद्यया ऽमृतं मम ॥



Foundation

CERTIFICATE
"Motion Detection and Face Recognition For CCTV Surveillance System"

This is to certify that the project report entitles

"Motion Detection And Face Recognition For CCTV Surveillance System"

Submitted by

Mr. Kulkarni Tejas Bhimashankar

Exam Seat No: B151154237

Miss. Dayma Shreeya Ishwar

Exam Seat No: B151154216

Miss. Chopade Ankita Sanjay

Exam Seat No: B151154203

Miss. Raut Neha Vijaykumar

Exam Seat No: B151154255

is a bonafide student of this institute and the work has been carried out by him/her under the supervision of Prof. T. B. Tambe 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. B. Tambe

Internal Guide

Dept. of Computer Engg.

Prof. S. R. Bhujbal

Head of Dept. of Computer Engineering

Department of Computer Engineering
P K Technical Campus, Chakan, Pune-410501

Signature of External Examiner

Principal

P K Technical Campus, Chakan.





P K TECHNICAL CAMPUS
DEPARTMENT OF COMPUTER ENGINEERING
CERTIFICATE

This is to certify that the project report entitled

“AUTONOMOUS FIRE EXTINGUISHER”

Submitted by

Ms. Kamthe Rutika Suresh

Exam Seat No: B151154231

Ms. Khadtar Shivani Baliram

Exam Seat No: B151154235

Mr. Pawade Ganesh Uttam

Exam Seat No: B151154251

Mr. Kudale Omkar Shivaji

Exam Seat No: B151154236

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

Prof. S. R. Bhujbal
Head of Dept.
Dept. of Computer Engg.
P K Technical Campus, Chakan, Pune-410501

External Examiner

Principal
P K Technical Campus, Chakan



P K TECHNICAL CAMPUS, CHAKAN

PUNE-410501



CERTIFICATE

This is to certify that Mr. Dattatray Borate, Aditya Jadhav, Chetan Kunjir, Swapnil Satpute have satisfactorily carried out the B.E Project work entitled **“ANALYSIS AND ENHANCEMENT OF ROAD NETWORK IN VILLAGE- CASE STUDY, DAWADI VILLAGE”**.

This work is being submitted for the award of degree of Bachelor of Civil Engineering. It is submitted in the partial fulfillment of the prescribed syllabus of Savitribai Phule Pune University, Pune for the academic year 2021-2022.

Date: - 03/06/2022

Place: Chakan,

Prof. Rajendra P Hire
Guide

Prof. Meena Sanas
HOD, Civil

External Examiner

Dr. Shrikant K Bodhe
Principal (PKTC)

॥ विद्याय् एवम् सर्वं सिद्ध्यी ॥



Foundation

Mission of Pratap Khandebharad

CERTIFICATE

is is to certify that the following students have satisfactorily carried out the investigation/experimentation and complete the project work entitled

"STUDY OF BITUMINOUS ROAD CONSTRUCTION"

is work is being submitted for award of the degree of Bachelor of Civil Engineering. It is submitted in the partial fulfilment of the prescribed syllabus of Savitribai Phule Pune University, Pune for the academic year 2021-22.

Examination Seat No. Name of the Student

(B151150020) Jay Ramesh Patel

(B151150027) Nitin Lala Wagh

(B1511 50008) Krishna Balasaheb Gawande

(B151150021) Dinkar Hanumant Pawar

Prof. Deepika Firke

(Project co-ordinator)

Prof. Vandana Tiwari

(Project Guide)

Prof. Meena Sanas

(Head of Department)

Dr. Shrikant K. Bodhe

(Principle)

Prof.

(EXTERNAL EXAMINER)

Department of Civil Engineering

P K TECHNICAL CHAKAN

॥ विद्याच् एवम् सर्व सिद्धी ॥



Foundation

Mission of Pratap Khandebharad

Certificate

This is to certify that the project report entitled ***Study on Modified Grey Water Treatment Plant*** a bonafide work carried out by,

Kadam Rohan Dnyanoba

Bugge Shrinath Baliram

Taware Chandrasen Prabhakar

Gaikwad Jyoti Pandurang

Under our supervision, during the year 2021-22 and submitted to the faculty of CIVIL Engineering, P. K. Technical campus Pune in partial fulfillment of the requirements for the award of the BE in Civil Engineering

Prof. M. V. Sanas

(PROJECT GUIDE)

Prof. M. V. Sanas

(HEAD OF DEPT.)

DR. S. K. BODHE

(PRINCIPAL)

Prof.

(EXTERNAL EXAMINER)

P K TECHNICAL CAMPUS, CHAKAN

PUNE-410501



CERTIFICATE

This is to certify that Maaz kazi, Nihal tate, Saurav das, Mohan mankar has satisfactorily carried out the First Semester B.E Project work entitled **"DESIGN OF MULTISTOREY BUILDING WITH FLOATING COLUMN."**

This work is being submitted for the award of degree of Bachelor of Civil Engineering. It is submitted in the partial fulfillment of the prescribed syllabus of Savitribai Phule Pune University, Pune for the academic year 2021-2022.

Date: - 14/06/22

Place: Chakan,

Prof. Minakshi Sonone
Guide

Prof. Meena Sanas
HOD, Civil

External Examiner

Dr. Shrikant K Bodhe
Principal (PKTC)

P.K TECHNICAL CAMPUS CHAKAN, PUNE-410501

॥ विद्याय एवम् सर्वं सिध्यति ॥



Foundation
Mission of Pratap Khandebharad

CERTIFICATE

This is to certify that the REPORT entitled

**“EXPERIMENTAL STUDY ON USE OF LATERITE
SOIL MODIFIED WITH RAP IN SUB-BASE OF PAVEMENT”**

Submitted by,

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17 SWAPNIL KADAM N.

Is a project work carried out by her under the supervision of **Prof.Dipeeka firke** and it is approved for the partial fulfillment of the requirement of **P.K.Technical Campus** for the project **CIVIL ENGINEERING**.

Prof.Dipeeka Firke

(Project Guide)

Prof. Meena Sanas

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Prof. Shrikant Bodhe

(Principal)

Internal Examiner

External Examiner

Day/Date: 03/06/2022

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P. K. FOUNDATION'S
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CERTIFICATE

This is to certify that the following students have successfully carried out the project work / experimentation entitled '**TREATMENT ON WASTEWATER BY VERMIFILTRATION**'.

This work is being submitted for the award of degree of Bachelor of civil Engineering. It is submitted in the partial fulfilment of the prescribed syllabus of Savitribai Phule Pune University, Pune for the academic year 2021 – 2022.

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P. K. Technical Campus, Chakan

Date: 03/06/2022

Place: CHAKAN