



**CERTIFICATE**

This is to certify that the project report entitles

**“An Image Encryption and Decryption using AES algorithm”**

Submitted by

**Ghorband Mahima  
Imale Divya  
Kadam Shivani  
Chambrakulangara Athira**

is a Bonafide student of this institute and the work has been carried out by him/her under the supervision of **Dr. R.V. 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)**.

**Dr. R. V. Patil**  
Guide & Head,

Department of Computer Engineering

**Dr. R. V. Patil**  
Principal

PDEA's College of Engineering Manjari (Bk.), Pune

Place: Pune

Date: 15/06/2021



**CERTIFICATE**

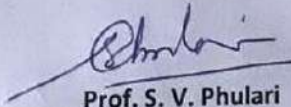
This is to certify that the project report entitles

**“Credit card Fraud Detection System”**

Submitted by

**Akhilesh Bhayye  
Gaurav Kumar Singh  
Sanika Dhamnaskar  
Sandeep Patil**

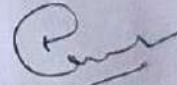
is a Bonafide student of this institute and the work has been carried out by him/her under the supervision of **Prof. S.V.Phulari** and it is approved for the partial fulfillment of the requirement of Savitribai Phule Pune University, for the award of the degree of **Bachelor of Engineering (Computer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



**Prof. S. V. Phulari**

Guide

Department of Computer Engineering



**Dr. R. V. Patil**

Principal

PDEA's College of Engineering Manjari (Bk.), Pune

Place: Pune

Date: 15/06/2021





### CERTIFICATE

This is to certify that the project report entitles

## **“A Face Emotion Recognition Method Using Convolutional Neural Network and Image Edge Computing”**

Submitted by

**Pranita Dalavi**

**Nikita Bhosale**

**Pooja Girme**

**Payal Deshmukh**

**Mohini Pansare**

is a Bonafide student of this institute and the work has been carried out by him/her under the supervision of **Prof. S. V. Phulari** 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. V. Phulari**

Guide

Department of Computer Engineering

**Dr. R. V. Patil**

Principal

PDEA's College of Engineering Manjari (Bk.), Pune

Place: Pune

Date: 15/06/2021



**CERTIFICATE**

This is to certify that the project report entitles

**“OCR Compiler”**

Submitted by

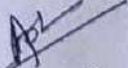
**Sachin Jain**

**Pramod Dorle**

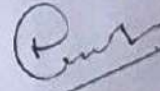
**Mohan More**

**Renuka Pawar**

is a Bonafide student of this institute and the work has been carried out by him/her under the supervision of **Prof. A. A. Bamanikar** 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. A.A. Bamanikar**  
Guide

Department of Computer Engineering

  
**Dr. R. V. Patil**  
Principal

PDEA's College of Engineering Manjari (Bk.), Pune

Place: Pune

Date: 15/06/2021





### CERTIFICATE

This is to certify that the project report entitles

## **“Curriculum Learning for Speech Emotion Recognition from Crowdsourced Labels”**

Submitted by

**Pooja Gawate  
Ashwini Gund  
Akshata Salunke  
Sumit Kakade**

is a Bonafide student of this institute and the work has been carried out by him/her under the supervision of **Prof. N.D. Sonawane** 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.D. Sonawane**

Guide

Department of Computer Engineering

**Dr. R. V. Patil**

Principal

PDEA's College of Engineering Manjari (Bk.), Pune

Place: Pune

Date: 15/06/2021



### CERTIFICATE

This is to certify that the project report entitles

## **“Sdata Security of Dynamic and Robust Role Based Access Control from Multiple Authorities in Cloud Environment”**

Submitted by

**Yugandhara chaudhari**  
**Vishakha pundge**  
**Vaishnavi wayal**  
**Anshuja kumbhar**

is a Bonafide student of this institute and the work has been carried out by him/her under the supervision of **Prof. N.D.Sonawane** 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.D.Sonawane**  
Guide

Department of Computer Engineering

**Dr. R. V. Patil**  
Principal

PDEA's College of Engineering Manjari (Bk.), Pune

Place: Pune

Date: 15/06/2024





### CERTIFICATE


This is to certify that the project report entitles

**“LMS Structured E/M learning platform”**

Submitted by

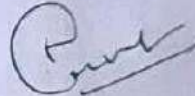
**Sidharth Gupta**  
**Sayalee Pawar**  
**Tushar Kale**  
**Prashant Gaikwad**

is a Bonafide student of this institute and the work has been carried out by him/her under the supervision of **Prof. A. A. Bamanikar** 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. A.A. Bamanikar**  
Guide

Department of Computer Engineering



**Dr. R. V. Patil**  
Principal

PDEA's College of Engineering Manjari (Bk.), Pune

Place: Pune

Date: 15/06/2021



### CERTIFICATE

This is to certify that the project report entitles

## **“Modern E-store for fruits and Vegetables”**

Submitted by

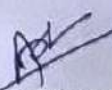
**Madhuri Babasaheb Kadam**

**Sachin Anil potre**

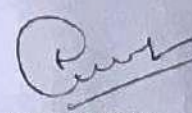
**Priti Vishnu choudhari**

**Pratiksha Sanjay Jadhav**

is a Bonafide student of this institute and the work has been carried out by him/her under the supervision of Prof. A. A. Bamanikar 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. A.A. Bamanikar**  
Guide

Department of Computer Engineering

  
**Dr. R. V. Patil**  
Principal

PDEA's College of Engineering Manjari (Bk.), Pune

Place: Pune

Date: 15/06/2021





**CERTIFICATE**

This is to certify that the project report entitles

**“Secure File Transfer on Cloud with Encryption”**

Submitted by

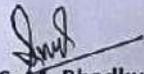
**Swapnil sawant**

**Atharva Shrotre**

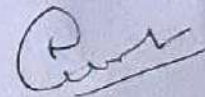
**Abraar Khan**

**Nitin kale**

is a Bonafide student of this institute and the work has been carried out by him/her under the supervision of **Prof. S. M. Bhadkumbhe** 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. M. Bhadkumbhe**  
Guide

Department of Computer Engineering



**Dr. R. V. Patil**  
Principal

PDEA's College of Engineering Manjari (Bk.), Pune

Place: Pune

Date: 15/06/2024



**CERTIFICATE**

This is to certify that the project report entitles

**“Milk Monitoring system using IOT”**

Submitted by


**Vaibhav N. Patil**

**Sujyot Butale**


**Pratik Nimbale**

**Omkar Ware**

is a Bonafide student of this institute and the work has been carried out by him/her under the supervision of **Prof. S. M. Bhadkumbhe** 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. M. Bhadkumbhe**  
Guide

Department of Computer Engineering

  
**Dr. R. V. Patil**  
Principal

PDEA's College of Engineering Manjari (Bk.), Pune

Place: Pune

Date: 15/6/2024





### CERTIFICATE

This is to certify that the project report entitles

## **“Automation in Agriculture and IOT”**

Submitted by

**Pratiksha Dilip Shinde**

**Aishwarya G Kalbhor**

**Manali Anil Rahinj**

**Deepali Babasaheb Kakade**

is a Bonafide student of this institute and the work has been carried out by him/her under the supervision of **Dr. M.C.Hingane** 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. M.C. Hingane**  
Guide

Department of Computer Engineering

**Dr. R. V. Patil**  
Principal

PDEA's College of Engineering Manjari (Bk.), Pune

Place: Pune

Date: 19/06/2024



### CERTIFICATE

This is to certify that the project report entitles

**“Smart shopping using smart trolley”**

Submitted by

**Neha Jadhav**

**Geeta Joshi**

**Pratiksha Mane**

**Rachana Kandhare**

is a Bonafide student of this institute and the work has been carried out by him/her under the supervision of **Dr. M.C. Hingane** 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. M.C. Hingane**

Guide

Department of Computer Engineering

**Dr. R. V. Patil**

Principal

PDEA's College of Engineering Manjari (Bk.), Pune

Place: Pune

Date: 15/06/2021





**YEAR 2020-21**

**PDEA'S COLLEGE OF ENGINEERING MANJARI (Bk.), PUNE**

**CERTIFICATE**

This is to certify that the project report entitled

**“IOT BASED APPLIANCES CONTROL USING NODEMCU”**

Submitted by-

<b>NAGESH KAMBLE</b>	<b>71309994B</b>
<b>KARAN SHAH</b>	<b>71536240C</b>
<b>GIRISH WASNIK</b>	<b>71052500B</b>
<b>KESHAV PADVI</b>	<b>71310036C</b>

Is a bonafide work carried out by them under the supervision of Prof. R.M.SAHU and it is approved for the partial fulfillment of the requirement of SAVITRIBAI PHULE PUNE UNIVERSITY for the award of the B.E Engineering (Electronics Engineering) during the academic year 2020-21.

  
**Prof. R.M.SAHU**

**(Project Guide)**

  
**Prof. R.M.SAHU**

**Head of Department**  
**H.O.D.**  
**Electronics and Telecom Engg. Department**  
**PDEA's College of Engg. Manjari (Bk.), Pune**

Place: - Manjari(BK), Pune.

Date:-



**PDEA'S COLLEGE OF ENGINEERING MANJARI (Bk.), PUNE**

**CERTIFICATE**

This is certify that the Seminar report entitled

***"ACCIDENT DETECTION & REPORTING"***

Has been successfully completed by

**SEBASTIAN D'CRUZ (71815787H)**

**AKASH INGALE (71708965H)**

**AMRUTA NARUTE (71926616F)**

**AKANKSHA KEDARI (71815819K)**

It is a bonafide work carried out under the supervision of Prof R.M.SAHU and it is approved for the partial fulfillment of requirement of Savitribai Phule Pune University for the award of BE in Electronics Engineering for the academic year 2020-21

Prof R.M.SAHU

**Project Guide**

Place : Manjari (BK), Pune

Date :

Prof R.M.SAHU

**Head of  
Head of Department  
Department**

Electronics and Telecommunication Department  
PDEA's College of Engg. Manjari (Bk.), Pune





P.D.E.A.'s College Of  
Engineering, Manjari(Bk.), Pune-412307

**CERTIFICATE**

This is to certify that,  
"SMART CITY WITH ENVIRONMENTAL  
MONITORING AND SECURITY IN EMERGENCY  
CONDITIONS"

Submitted by  
Deepti Lohani  
Ruchita Mehre  
Shilpa Gautam  
Sheetal Zarkar

is a record of bonafide work carried out by them, under  
my guidance, in partial fulfilment of the requirement for  
the award of the Final Year Bachelor of  
Engineering (Information Technology) of Savitribai Phule  
Pune University.

Date:

Place: Pune

Prof. A.B. Gadewar

Prof. N. Jain

Dr. R.V. Patil

Guide

H.O.D

Principal

Examiner

Signature of Examiner



**PDEA's College of Engineering, Manjari(BK), Pune**  
**DEPARTMENT OF INFORMATION TECHNOLOGY**

## **CERTIFICATE**

This is to certify that the Project Entitled

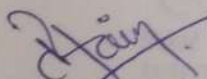
**ESTIMATING PROFILE OF SUCCESSFUL IT & COMPUTER SCIENCE STUDENT  
USING DATA MINING APPROACH**

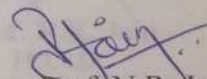
Submitted by

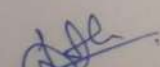
Mr. Krishna Nichal  
Mr. Akshay Patil  
Mr. Tejas Nigade  
Mr. Krishna Mane  
Mrs. Tejaswini Walbe

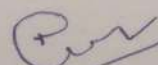
Exam No: B120268509  
Exam No: B120268511  
Exam No: B120268510  
Exam No: B120268507  
Exam No: B120268516


is a bonafide work carried out by Students under the supervision of **Prof. N.R. Jain** and it is submitted towards the partial fulfillment of the requirement of Bachelor of Engineering (Information Technology).

  
Prof. N.R. Jain  
Project Guide  
Department of IT

  
Prof. N.R. Jain  
H.O.D  
Department of IT

  
Prof. D.S. Hirolkar  
Project Coordinator

  
Dr. R.V. Patil  
Principal

  
External Examiner





## CERTIFICATE

This is to certify that the Project Entitled  
**AUTOMATED ATTENDANCE SYSTEM USING HOG FEATURE**

Submitted by

Sayali Choudhari  
Deepak Kumar  
Jayshree Kolate  
Akash Shejwal

Exam No: B120268501  
Exam No: B120268502  
Exam No: B120268505  
Exam No: B120268514

is a bonafide work carried out by them under the supervision of Prof. R.M.Kawale and it is approved for the partial fulfillment of the requirement of Savtribai Phule Pune university, Pune for the award of the degree of Bachelor of Engineering (Information Technology).

Prof. R.M.Kawale  
Guide  
Dept. of Information Technology

Prof. N. R. Jain  
H.O.D  
Dept. of Information Technology

Dr. R. V. Patil  
Principal  
P.D.E.A's College of Engineering

Signature of Internal Examiner

Signature of External Examiner



**PDEA's College of Engineering, Manjari(BK), Pune**  
**DEPARTMENT OF INFORMATION TECHNOLOGY**

**CERTIFICATE**

This is to certify that the Project Entitled

**MINING TIME SERIES DATA WITH OPTIMIZED APRIORI ALGORITHM**

Submitted by

Mr. Akshay Malapure

Exam No: B120268506

Mrs. Rajashri Kalbhor

Exam No: B120268504

Mrs. Anupama Patil

Exam No: B120268512

Mrs. Aditi Pawar

Exam No: B120268513

is a bonafide work carried out by Students under the supervision of **Prof.D.S.Hirolikar** and it is submitted towards the partial fulfillment of the requirement of Bachelor of Engineering (Information Technology).

Prof. D.S.Hirolikar  
Project Guide  
Department of IT

Prof. N.R. Jain  
H.O.D  
Department of IT

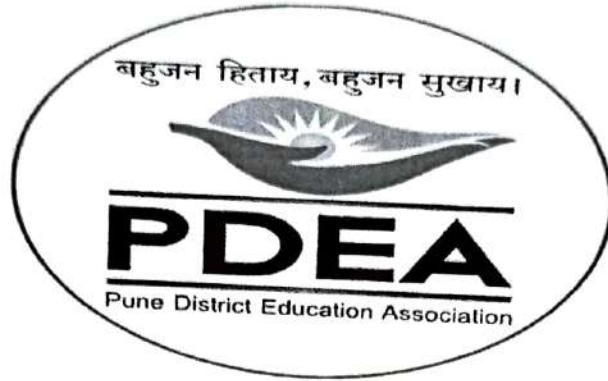
Prof. D.S.Hirolikar  
Project Coordinator

Dr. R.V. Patil  
Principal

External Examiner



**Pune District Education Association's  
College of Engineering, Manjari (Bk), Pune.**



**CERTIFICATE**

This is to certify that

Mr. Siddheshwar Karande	B150260823
Mr. Nisar Inamdar	B150260812
Mr. Vivek Kumbhar	B150260826
Mr. Omkar Datrange	B150260807

have successfully completed the project stage-II entitled "*EXPERIMENTAL INVESTIGATION CONTINUOUS LAYER INTERFACE PROJECTION*" under my supervision, in the partial fulfillment of Bachelor of Engineering-Mechanical Engineering, of Savitribai Phule Pune University.

Date:

Place: Pune.



Guide

Prof. B. K. Suryatal



External Examiner



Head of Department

Dr. S. A. Patil

Head of Department  
Department of Mechanical Engineering  
PDEA's College of Engineering  
Manjari (Bk), Pune-412307



Principal

Dr. R.V. Patil

Pune District Education Association's  
College of Engineering, Manjari (Bk),  
Pune-412307

**Pune District Education Association's  
College of Engineering, Manjari (Bk), Pune.**



**CERTIFICATE**

This is to certify that

Mr. Phuke Sumit

B150260842

Mr. Patil Samadhan

B150260839

Mr. Kudale Rushikesh

B150260824

Mr. Kutarmare Mohit

B150260827

*Have successfully completed the project stage-Entitled "Use of Agricultural Dryer  
in the field of recent Agriculture" under my supervision, in the partial fulfillment of  
Bachelor of Engineering-Mechanical Engineering, of Savitribai Phule Pune  
University, Pune.*

Date:

Place:

Guide

Prof. A.V. Dumbre

External Examiner

Head of Department

Prof. S.A. Patil

Principal

Dr. R.V. Patil

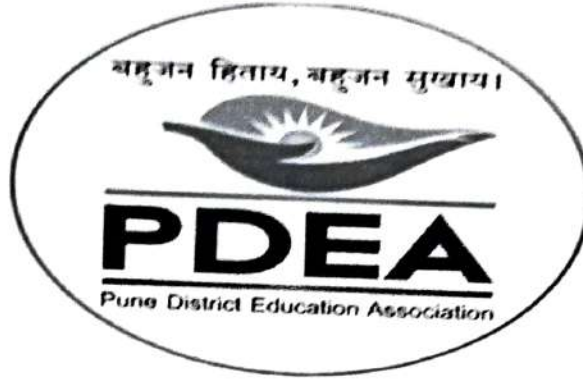
Principal

Head of Department  
Department of Mechanical Engineering  
PDEA's College of Engineering  
Manjari (Bk), Pune-412307

Pune District Education Association's  
College of Engineering, Manjari (Bk),  
Pune-412307



**Pune District Education Association's  
College of Engineering, Manjari (Bk), Pune.**



**CERTIFICATE**

**This is to certify that**

Sul Nikhil Chandrakant	B150260860
Zimal Swapnil Anand	B150260872
Paliwal Saurabh Sachindra	B150260837

have successfully completed the project stage-I entitled "*Industrial Application of Dual Refrigerator Dual Refrigerator*" under my supervision, in the partial fulfillment of Bachelor of Engineering-Mechanical Engineering, of Savitribai Phule Pune University.

**Date:**

**Place:**

  
**Guide**

**Prof. A. V. Dumbre**

  
**External Examiner**

  
**Head of Department**

**Prof. S. A. Patil**

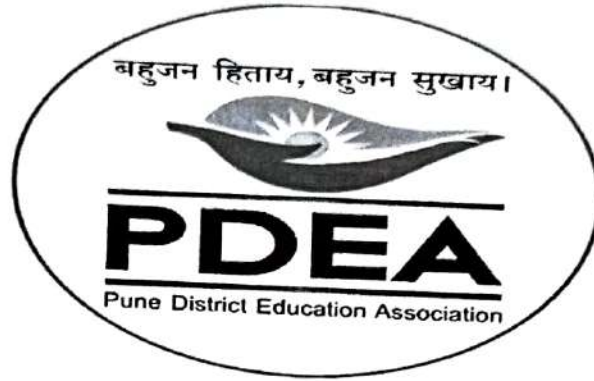
**Head of Department**  
Department of Mechanical Engineering  
PDEA's College of Engineering  
Manjari (Bk), Pune-412307

  
**Principal**

**Dr. R.V. Patil**  
**Principal**

Pune District Education Association's  
College of Engineering Manjari (Bk.),  
Pune-412307

**Pune District Education Association's  
College of Engineering, Manjari (Bk), Pune.**



**CERTIFICATE**

This is to certify that

Mr. Rushikesh Thakare	B150260865
Mr. Durgesh Pawar	B150260841
Mr. Parag Chavan	B150260811
Mr. Saurabh Sonawane	B150260858

have successfully completed the project stage-II entitled "**SMART HEALTH CARE MACHINE**" under my supervision, in the partial fulfillment of Bachelor of Engineering-Mechanical Engineering, of Savitribai Phule Pune University.

Date:

Place: Pune

  
Guide

Prof. N. A. Kumbhar

  
External Examiner

  
Head of Department

Dr. S. A. Patil

Head of Department

Department of Mechanical Engineering  
PDEA's College of Engineering  
Manjari (Bk), Pune-412307

  
Principal

Dr. R. V. Patil

Pune District Education Association's  
College of Engineering Manjari (Bk),  
Pune - 412307.



**Pune District Education Association's  
College of Engineering, Manjari (Bk), Pune**



**CERTIFICATE**

This is to certify that

Mr. Shripad Borade	B150260809
Mr. Shivam Shinolkar	B150260852
Mr. Sushant Sardar	B150260848
Ms. Prachi Belhekar	B150260802
Mr. Shubham Kadbe	B150260826

have successfully completed the project entitled "*PLASMA REFREATION SYSTEM*" under my supervision, in the partial fulfillment of Bachelor of Engineering- Mechanical Engineering, of Savitribai Phule Pune University.

Date:

Place:

Guide

Prof. A.D. Gaikwad.

External Examiner

Head of Department

Prof. S.A. Patil

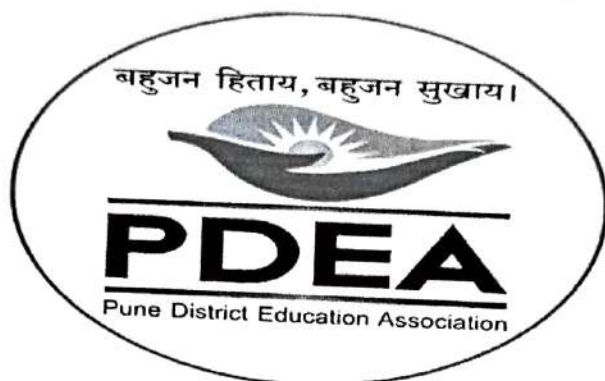
Head of Department  
Department of Mechanical Engineering  
PDEA's College of Engineering  
Manjar (Bk), Pune-412307

Principal

Dr. R.V. Patil

Pune District Education Association's  
College of Engineering Manjari (Bk).  
Pune - 412307

**Pune District Education Association's  
College of Engineering, Manjari (Bk), Pune.**



**CERTIFICATE**

This is to certify that

Mr. Swapnil khese  
Mr. Prajwal Tope  
Mr. Pranit Salunkhe  
Mr. Vatan Waikar

B150260823  
B150260867  
B150260847  
B150260869

have successfully completed the project stage-II entitled "AUTOMATIC SEED SOWING MACHINE" under my supervision, in the partial fulfillment of Bachelor of Engineering-Mechanical Engineering, of Savitribai Phule Pune University.

Date:

Place:

Guide

Prof. S. S. Shirsath

External Examiner

Head of Department

Dr. S. A. Patil

Head of Department

Department of Mechanical Engineering  
PDEA's College of Engineering  
Manjari (Bk), Pune-412307

Principal

Dr. R.V. Patil

Principal

Pune District Education Association's  
College of Engineering Manjari (Bk.)  
Pune-412307



RIN 185191

Date - 10<sup>th</sup> October  
2020

## PROJECT COMPLETION CERTIFICATE

This is to certify that Miss. Shivani Satish Dhavale student of PDEA'S college of engineering (MBA Major in HR, under SSPU University Pune) has completed the project entitled STUDY EMPLOYEE DEVELOPMENTY AND MOTIVATION at NOMOUS GLOBAL PVT LTD under the guidance of Mr Datta Jadhav from 14<sup>th</sup> sept to 28<sup>th</sup> October for her academic requirement. We observed your work was satisfactory and we appreciate your sincere learning.

We wish you all the best for your future success.



**Navin Rathod**  
CEO

**NOMOUS GLOBAL PVT LTD**

# RAJE AGRO FOODS PVT. LTD.


Date - 1 September 2020

## TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Rohit Bharat Nikam has completed his Summer Internship Project under my direct supervision. He underwent the Summer Internship for 2 months during which he was assigned the task of reviewing documents related to export & import (Including all procedure of Export and Import) and contact to customers, which he has successfully completed and the same is presented in the form to present Project Report.

It is further certified that the project report submitted by Rohit Nikam reflects his/her original work and based on the work assigned to him/her for the Summer Internship and that the present project report has not been submitted elsewhere for award of any degree, diploma or fellowship.



  
Signature of Supervisor

Suyash Sathe



## CERTIFICATE

TO WHOM IT MAY CONCERN

This is to certify that **MR. RAJESH K. K. K.** student of **B.TECH** course and **IT** from **Pune District Education Association's College of Engineering** has successfully completed project work in our organization. **THE STUDY OF DESIGN AND ANALYSIS** with effect from **17<sup>th</sup> Sept 2020** to **17<sup>th</sup> Dec 2020** and has completed his project work successfully.

He has been interested in the project work and he was found punctual, hardworking and performance oriented.

We wish him all the best.



**SANDEEP KULKARNI**

**P.E. Manager**





Date: 7 March

2019  
MatunFinconcepts

**TO WHOMSOEVER IT MAY CONCERN**

This is to certify that "SANDEEP WAGHSING RAJPUROHIT" student of PUNE DISTRICT EDUCATION ASSOCIATION'S COLLEGE OF ENGINEERING, MANJRI, PUNE, has completed his project work and Internship on "A STUDY OF PROMOTIONAL STRATEGIES OF CITI BANK FOR CREDIT CARDS IN PUNE" in MATUN FINCONCEPTS Pvt.Ltd. During the period of his assignment, we found him sincere, hardworking and keen learner. We wish him all the very best for his future endeavors

Regards,  
For MATUN FINCONCEPT Pvt.Ltd  
AUTHORIZED SIGNATORY



## CERTIFICATE

### TO WHOM IT MAY CONCERN

This is certify that **Mr. Lokare Ajit Dada** student of MBA, second year form **Pune District Education Association's College Of Engineering Manjari (Bk) Pune**. Has successfully completed project work in our organization "**A Study on Customer Satisfaction of Hyundai Motors at Sanjay Hyundai**" With effect from 1 Oct To 30 Nov 2020 and has completed his project work successfully.

He took been interested in the project work and he was found punctual, hardworking and performance oriented.

We wish him all the best.

**SANJAY HYUNDAI**

*Atul Kolhe*  
Mr. Atul Kolhe,

Manager

**Address:** Old Mumbai - Pune Hwy, near Kamalnayan Bajaj Garden, Kohinoor Estate, Wakadewadi, Shivajinagar, Pune, Maharashtra 411003.

**Website:** [www.sanjayhyundai.com](http://www.sanjayhyundai.com)



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Email: info@fleetguardfiltrum.com

Web: WWW.fleetguardfiltrum.com

Dec 15, 2020

## TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. ANIL ANKUSH HAKE student of MBA second year of PDEA's college of engineering Manjari(BK) Hadapsar, Pune, 41230, has successfully completed summer internship project report titled **Operations and supply chain management** in our organization from 18 Oct. 2020 to 15 Dec 2020.

He has completed the summer internship project work to our satisfaction.

For Fleetguard Filters Pvt. Ltd.

*Ravali.*

Ramesh Mal  
People officer - HR

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## TO WHOM TO EVER IT MAY CONCERN

This is to certify that Miss.Sheetal Patil Brilpuriya, MBA 2<sup>nd</sup> year student of P.D.E.A college of Engineering Manjari (BK), Pune has worked on the summer internship project titled "Competitor analysis for online grocery business with respect to The Buyer Deals at Uruli Kanchan, Pune from 5<sup>th</sup> November 2020 to 22<sup>nd</sup> December 2020, towards partial fulfillment of the course of master of business administration under the university of Pune.

She took Keen interest in his work & completed the project to our satisfaction with the best of his abilities. We found him to be sincere & hardworking in his efforts.

We wish her a bright future.

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Mr.Ankit Khira

(Sr. Marketing Executive)