



Shree Santkrupa Shikshan Sanstha's
Shree Santkrupa Institute of Engineering and Technology
 Ghogaon (Shivajinagar), Tal-karad, Dist-Satara

Key Indicator -3.1 Resource Mobilization for Research

3.1.1 Grants received from Government/non-government agencies for research projects / endowments in the institution during the last five years

INDEX

Sr.No	Name of the Project	Branch	Year of Award	Amount Sanctioned (Rs.)	Name of the Funding Agency (Non- Government)	Page No.
1	Solar Photovoltaic Panel Cleaning Mechanism	EE	2022-23	12,000/-	Passion Electricals and Engineers, Islampur	4-10
2	Process optimization of transmission gear	ME		15,000/-	KALYANI TECHNOFORGE LTD	11-16
3	Smart Mess System	CSE		10,000/-	SKYSCRAPER IT Services Mumbai	17-23
4	Query Easy	CSE		10,000/-	US techno graphics Satara	20-30
5	Plastic E waste Management System	CSE		10,000/-	Atharva Computers & IT Next Solution, karad	26-37
6	Automatic Text Summarization	CSE		10,000/-	Atharv Computers & IT Next Solution, karad	32-44
7	Cursor Global Positioning Framework	CSE		10,000/-	Atharva Computers &IT Next Solution, karad	38-51

8	Farmer Assistance System	CSE	2021-22	10,000/-	Atharva Computers &IT Next Solution, karad	44-58
9	Redo Blood APP	CSE		10,000/-	Global Vision , vita	59-65
10	Double wishbone Independent suspension system	ME		10,000/-	Aryan fabrication and Engineering works, Shahuwadi	67-72
11	Robotic Controlled UVC rays sanitizing device	EE		10,000/-	INCEDO,Pune	73-79
12	Using Arduino smart agricultural Monitoring System	EE		8,000/-	J-Watt Electricals,Peth	80-86
13	Experimentally study on waste plastic used in Paving block with replacement of fine aggregate	CE	2020-21	10,000/-	Galaxy Pride,Mundhe	87-94
14	Comparative study on engg. properties of black cotton soil and sandy loam soil	CE		9,000/-	Galaxy Pride,Mundhe	96-103
15	Natural aggregate replaced by recycled aggregate	CE		10,000/-	Sairaj Construction, Karad	104-109
16	Design and development of low cost 3D printer	ME		10,000/-	Trimurti Enterprises, Agashivnagar.	110-115
17	Agricultural diet testing kit	EE		10,000/-	J-Watt Electricals,Peth	116-122

2022-23

PASSION ELECTRICALS & ENGINEERS
Government Licensed Electrical contractor, MC No 30135
Cell +919767685761/7248953977
Prop- Er Sagar Satyawar Wagh
GST No-27AEAPW80 12

Date-16/04/2023

Dear Students,

1. Sidharth Sunil Pethkar
2. Varad Anil Yadav.
3. Gauravraje Narendra Shinde.
4. Mandar Shriniwas Jadhav.
5. Pratik Prakash Thorat.

Subject:- Funding approved for engineering research.

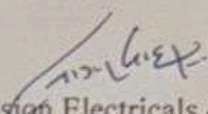
Project Name:- Solar Photovoltaic Panel Cleaning Mechanism.

It is with great pleasure that we inform you that your research project proposal has been approved for funding by our company. As an engineering student, your dedication and passion for your field have truly impressed us, and we are thrilled to be able to support your research endeavours.

Your project aligns with our company's values and goals, and we believe it has the potential make a significant impact in the industry. We are confident that your innovative ideas and hard work will yield ground-breaking results and contribute to the advancement of technology.

As per the terms of the award, we have sanctioned a sum of 12,000/- for your project, and we are excited to see the progress you make with this support. We would like to remind you that this award reflects your talent and potential, and we encourage you to continue pursuing your passion for engineering. Once again, congratulations on this well-deserved award, and we wish you all the best in your research endeavours.

Sincerely,


Passion Electricals & Engineers

Passion Electricals & Engineers

Proprietor

Proprietor

Copy To

HOD Electrical Department,

Shree Shantkrupa Institute of Engineering and Technology, Ghogaon.



Reg.No.MH/4775/(Satara) Est.: 27/06/1996

DTE Code: EN 6466
UNIVERSITY Code: 6466

SHREE SANTKRUPA SHIKSHAN SANSTHA'S
SHREE SANTKRUPA INSTITUTE OF ENGINEERING & TECHNOLOGY (B.TECH)
Approved by AICTE, New Delhi & DTE Mumbai.
Affiliated to Dr. Babasaheb Ambedkar Technological University Lonere, Dist - Raigad

PRESIDENT
HON. DR. USHA A. JOHARI

SECRETARY
HON. MR. PRASUN A. JOHARI

PRINCIPAL
DR. SWANAND B. KULKARNI

out no / ciet / 938 / 2022-23

Date- 7/02/2023

To,
Mr.Sagar S Wagh
Passion Electricals & Engineers.

Subject - About Project Sponsorship Letter.

Respected Sir/Madam,

As per above subject our students

1. Yadav Varad Anil
2. Jadhav Mandar Shriniwas
3. Pethkar Sidharth Sunil
4. Shinde Gauravraje Narendra
5. Thorat Pratik Prakash

are studying final year B.Tech (Electrical Engg.) class. We are writing this letter to request your support and sponsorship for her academic project which is part of DBATU Syllabus. The name of project is **'Solar Panel Cleaning System'** which aims to design automated solar panel cleaning and increases the efficiency of solar panels.

These students have been working diligently to create an innovative project that will help us develop new skills and knowledge. However, we require financial support to make this project a success. We believe that your company has a proven track record of supporting initiatives that align with your values and objectives, and we would be honored to receive your sponsorship for this project.

With your support, we will be able to cover the expenses for necessary equipment, materials, and other resources required for our project. Additionally, your sponsorship will help us gain recognition for our work and build our credibility in the industry. We are convinced that this initiative will be advantageous to both sides because it will give our college the chance to highlight the skills of our students and give your business the chance to assist a deserving cause and increase visibility.

We would appreciate your support and thank you for your time and consideration. We look forward to hearing from you soon.

Sincerely,



Principal

Shree Santkrupa Institute of Engg. & Tech.
Ghogaon, Tal. Karad, Dist. Satara

Ghogaon, Tal: Karad, Dist: Satara, Pin: 415111 (Maharashtra), Ph. (02164)257309, 257050

Website: www.sietghogaon.org

Email: ssietdegree@gmail.com

PASSION ELECTRICALS & ENGINEERS

Government Licensed Electrical contractor, M C No 36135

Cell +919767685761 / 7248983977

Prop- Er Sagar Satyawan Wagh

Date: 20/5/2023

To Whomsoever It May Concern

This to certify that

1. Yadav Varad Anil
2. Jadhav Mandar Shriniwas
3. Pethkar Sidharth Sunil
4. Shinde Gauravraje Narendra
5. Thorat Pratik Prakash

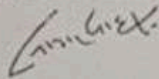
Student of Shree Santkrupa Institute of Engineering & -technology (B.Tech.).She/He has successfully completed project work titled 'Solar Panel Cleaning System' at Passion Electricals & Engineers.

Project Duration: 16 Feb 2023 to 20 May 2023

During Project work we found him to be sincere and hard working.

We wish him all the success in his future endeavor.

Passion Electricals & Engineers



Proprietor



A

Project report of

“SOLAR PHOTOVOLTAIC PANEL CLEANING MECHANISM”

Submitted to the

Dr. Babasaheb Ambedkar Technological University, Lonere

Submitted by

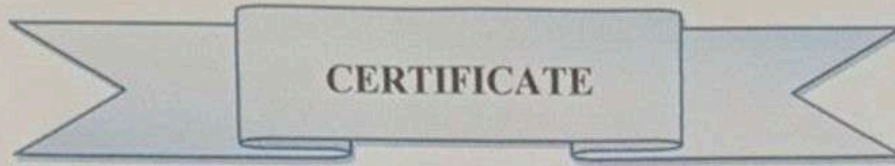
Student Name	PRN
1) Varad Anil Yadav	1964661293041
2) Mandar Shriniwas Jadhav	2064661293007
3) Sidharth Sunil Pethkar	2064661293010
4) Gauravraje Narendra Shinde	2064661293017
5) Pratik Prakash Thorat	51646620181129310009

Under Guidance of
Ms. M. P. Kokare



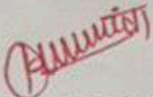
Department of Electrical Engineering
Shree Santkrupa Institute of Engineering & Technology (B. Tech),
Ghogaon, Karad.
Academic Year: 2022-2023

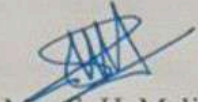
Shree Santkrupa Institute of Engineering & Technology
(B. Tech), Ghogaon, Karad.

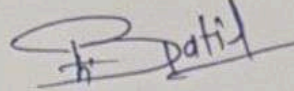


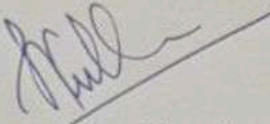
This is to certify that, following students have satisfactorily completed the project work entitled, "Solar Photovoltaic Panel Cleaning Mechanism". The project is sponsored by "Passion Electrical And Engineers" This project is being submitted in partial fulfilment for the award of degree of Bachelor of Technology in Electrical Engineering of Dr. Babasaheb Ambedkar Technological University, Lonere, under my guidance & supervision.

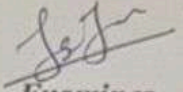
Student Name	PRN
1) Varad Anil Yadav	1964661293041
2) Mandar Shriniwas Jadhav	2064661293007
3) Sidharth Sunil Pethkar	2064661293007
4) Gauravraje Narendra Shinde	2064661293017
5) Pratik Prakash Thorat	51646620181129310009


Ms. M. P. Kokare
Guide


Mr. S. H. Mali
HOD (Electrical Engg.)

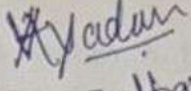
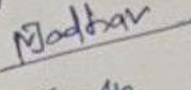
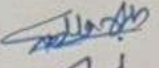
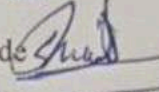
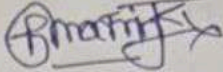

Mrs B. M. Patil
Project Coordinator


Dr. S. B. Kulkarni
Principal


Examiner

DECLARATION

I hereby declare that this project entitled "Solar Photovoltaic Panel Cleaning Mechanism" was carried out and written by me under the guidance of "Ms M. P. Kokare, Assistant Professor of Shree Santkrupa Institute of Engineering and Technology, Ghogaon. This work has not been submitted elsewhere for the award of any degree.

Student Name	PRN
1) Varad Anil Yadav 	1964661293041
2) Mandar Shriniwas Jadhav 	2064661293007
3) Sidharth Sunil Pethkar 	2064661293007
4) Gauravraje Narendra Shinde 	2064661293017
5) Pratik Prakash Thorat 	51646620181129310009

Place: Ghogaon

Date: 24/5/2023

UTILIZATION CERTIFICATE

This is to certify that amount of Rs 12000 /- of grants-in-aid sanctioned and received from **Passion Electricals and Engineers, Islampur** for the project of **Solar Panel Cleaning System** under the Department of Electrical Engineering [Letter No. 938] dated 07/02/2023 for academic year 2022-23.

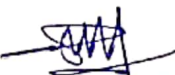
This amount has been utilized for the above said project and the details of utilization are given below-

Sr.No.	Name of component	Cost of component (in Rs.)
1	Solar Panel	3000/-
2	Adriano UNO	1000/-
3	SMPS	1500/-
4	DC Gear Motor	1700/-
5	Battery	1000/-
6	Sensors	1700/-
7	Wi-Fi Module	1200/-
8	Water Pump	1000/-
9	Motor Diver	300/-
10	Other Accessories	600/-
Total Amount		12000/-

M. Jadhav

Mandar Jadhav

Signature of student coordinator of group


Signature of HOD





Signature of Principal

Principal

Shree Santkrupa Institute of Engg. & Tech
Ghogaon, Tal Karad, Dist. Satara

KALYANI TECHNOFORGE LIMITED



Ref. KTFL/HR/2023

Date: 24th May 2023

To Whomsoever It May Concern

This to certify that Ms. Komal Patil, Mr. Sagar Patil & Mr. Sanket Karale
Student of Shree Santkrupa Institute of Engineering & Technology (B.Tech.).
She/He has successfully completed project work titled "Process Optimazation of
Transmission Gear" at Kalyani Transmission Technology, (A Division of Kalyani
Technoforge Limited).

Project Duration: - 1st August 2022 to 31st March 2023. Project cost - 15,000/-

During Project work we found him to be sincere and hard working.

We wish him all the success in his future endeavor.

For KALYANI TECHNOFORGE LTD.

ROHIT KULKARNI
SR. MANAGER - HR



KALYANI
DRIVING INNOVATION





Reg.No.MH/4775/(Satara) Est.: 27/06/1996

DTE Code: EN 6466
UNIVERSITY Code: 6466

SHREE SANTKRUPA SHIKSHAN SANSTHA'S
SHREE SANTKRUPA INSTITUTE OF ENGINEERING & TECHNOLOGY (B.TECH)

Approved by AICTE, New Delhi & DTE Mumbai.

Affiliated to Dr. Babasaheb Ambedkar Technological University Lonere, Dist - Raigad

PRESIDENT
HON. DR. USHA A. JOHARI

SECRETARY
HON. MR. PRASUN A. JOHARI

PRINCIPAL
DR. SWANAND B. KULKARNI

जा.क्र/सि.ए/१५२/२०२२-२३

Date- 20/03/2023

To,
The HR Manager,
Kalyani Transmission Technology,
Plot no.I/23, DTA Park, Village-Kansear,
Tal-Khed, Dist.-Pune 410505

Subject - About Project Sponsorship Letter.

Respected Sir/Madam,

Ms.Komal Mahendra Patil is studying in our institute in final year B.Tech (Mechanical Engg.) class. We are writing this letter to request your support and sponsorship for her academic project which is part of DBATU Syllabus. The name of project is '**Process optimization of Transmission gear**' which aims to reduce cycle time & CPC in such way as it decreases cost and increase customer service lead time reduction.

Her project team has been working diligently to create an innovative project that will help us develop new skills and knowledge. However, we require financial support to make this project a success. We believe that your company has a proven track record of supporting initiatives that align with your values and objectives, and we would be honored to receive your sponsorship for this project. With your support, we will be able to cover the expenses for necessary equipment, materials, and other resources required for our project. Additionally, your sponsorship will help us gain recognition for our work and build our credibility in the industry. We are confident that this project will be beneficial to both parties as it will provide an opportunity for our college to showcase our students' abilities while also giving your company the chance to support a worthy cause and gain visibility.

We would appreciate your support and Thank you for your time and consideration. We look forward to hearing from you soon.

Sincerely,

Head of Department
Mechanical Engineering
S.I.E.T.

Ghogaon, Tal: Karad, Dist: Satara, Pin: 415111 (Maharashtra), Ph. (02164)257309, 257050

Website: www.sietghogaon.org

Email: ssietdegree@gmail.com

Project Report

On

“PROCESS OPTIMIZATION OF TRANSMISSION GEAR”

Submitted To

**SHREE SANTKRUPA INSTITUTE OF ENGINEERING AND
TECHNOLOGY, GHOGAON.**

Affiliated to DBATU University

In Partial Fulfillment of

The Requirement for the Degree of

BACHELOR OF ENGINEERING (MECHANICAL ENGINEERING)

Submitted By

1. Mrs. Komal Patil.
2. Mr. Sagar Patil.
3. Mr. Sanket Karale

2064661612002

2064661612001

2064661612011

Patil
Patil
Karale

Under The Guidance of

Asst. Prof. S.S. Gaikwad



**Department of Mechanical Engineering
S.I.E.T. GHOGAON, Tal-Karad.**

YEAR 2022-23

ACKNOWLEDGEMENT

I would like to express my profound gratitude to **Asst. Prof. Bhosale B. Y., HOD of Mechanical department, and DR. S. B. Kulkarni, Principal of SIET Ghogaon** for their contributions to the completion of project Process Optimization of Transmission Gear.

I would like to express my special thanks to our mentor **Mr. S.S. Gaikwad** for his time and efforts he provided throughout the Semester. Your useful advice and suggestions were really helpful to us during the project's completion. In this aspect, I am eternally grateful to you.

I would like to acknowledge that this project was completed entirely by me and not by someone else.

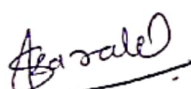
- | | |
|-----------------------------|----------------------|
| 1.MRS. Komal Patil. | 2064661612002 |
| 2.MR. Sagar Patil. | 2064661612001 |
| 3.MR. Sanket Karale. | 2064661612011 |

UTILIZATION CERTIFICATE


This is to certify that amount of Rs 15000/- of grants-in-aid sanctioned and received from Kalyani Techno forge Ltd. for the project of **Process Optimization of Transmission Gear** under the Department of Mechanical Engineering [Letter No. 952] dated 20/3/2023 for academic year 2022-23.

This amount has been utilized for the above said project and the details of utilization are given below-

Sr.No.	Name of component	Cost of component (in Rs.)
1	Designing of hone	4000
2	Machine + operator charges	6000
3	Material charges	2500
4	Others	2500
Total Amount		15000/-


(Mr. Santet Karale)
Signature of student coordinator of group


Signature of HOD
Head
Dept. of Mechanical Engg
S.S.I.E.T. Ghogaon


Signature of Principal
Principal
Shree Santkrupa Institute of Engg. & Tech
Ghogaon, Tal Karad, Dist. Satara



SKYSCRAPPER

IT SERVICES

Subject – Finding Approved For Engineering Research.

Dear Students,

- 1) Tate Mayuri Shivaji.
- 2) Sathe Pratiksha Vilas.
- 3) Jadhav Akash Ananda.
- 4) Chikate Ankita Mansing.
- 5) Sonawale Sagar Tulshiram.
- 6) Pharne Shweta Madhukar.

Project Name: "Smart Mess System"

It is with great pleasure we inform you that your research project proposal has been approved for funding by our company. As an engineering student, your dedication and passion for your field have truly impressed us, and we are thrilled to be able to support your research endeavors.

Your project aligns with our company's values and goals, and we believe it has the potential to make a significant impact in the industry. We are confident that your innovative ideas and hard work will yield ground-breaking results and contribute to the advancement of technology.

As per the terms of the award, we have sanctioned a sum of 10,000 for your project, and we are excited to see the progress you make with this support. We would like to remind you that this award reflects your talent and potential, and we encourage you to continue pursuing your passion for engineering.

Once again, congratulations on this well-deserved award, and we wish you all the best in your research endeavors.

Skyscraper IT Services



Mr. Sonawale Sagar (Proprietor)

Ground Floor, Room No. 57, Janata Colony, Worli Bus Terminal,
Worli Colony, Mumbai- 400030



Phone :
+91 8433845623



Email :
skyscraperitservices@gmail.com



Reg.No.MH/4775/ (Satara) Est :27/06/1996

DTE Code EN 6466
University Code 6456
MSBTE Code 1215

SHREE SANTKRUPA SHIKSHAN SANSTHA'S

SHREE SANTKRUPA INSTITUTE OF ENGINEERING & TECHNOLOGY
Approved by AICTE New Delhi, DTE Mumbai & Affiliated to DBATU, Lonere and MSBTE Mumbai

PRESIDENT
HON. DR. USHA A. JOHARI

SECRETARY
HON. MR. PRASUN A. JOHARI

PRINCIPAL
DR. SWANAND B. KULKARNI

Old No/SET/B.Tech/1067/2023-24

D. - 7/6/2023

Subject: Funding Approved for Engineering Project

Dear Students

- 1) Tato Mayuri Shivaji.
- 2) Satho Pratiksha Vilas.
- 3) Jadhav Akash Ananda.
- 4) Chikato Ankita Mansing.
- 5) Sonawale Sagar Tulshiram.
- 6) Pharno Shweta Madhukar.

Project Name: "Smart Mess System"

It is with great pleasure that we inform you that your research project proposal has been approved for funding by our Institute. As an engineering student, your dedication and passion for your field have truly impressed us, and we are thrilled to be able to support your research endeavors.

Your project aligns with our company's values and goals, and we believe it has the potential to make a significant impact in the industry. We are confident that your innovative ideas and hard work will yield groundbreaking results and contribute to the advancement of technology.

As per the terms of the award, we have sanctioned a sum of **10000RS** for your project, and we are excited to see the progress you make with this support. We would like to remind you that this award is a reflection of your talent and potential, and we encourage you to continue pursuing your passion for engineering.

Once again, congratulations on this well-deserved award, and we wish you all the best in your research endeavors.

Sincerely,

Prange
Copy to HOD CSE.

Received.



Principal
Shree Santkrupa Institute of Engg & Tech
Ghogaon, Tal Karad, Dist Satara

Ghogaon, Tal: Karad, Dist: Satara, Pin: 416111 (Maharashtra), Ph. (02164)257309, 257050



A
DISSERTATION REPORT
ON
"Smart Mess System"

SUBMITTED IN PARTIAL FULFILLMENT OF
THE DEGREE OF
BACHELOR OF TECHNOLOGY
IN
COMPUTER SCIENCE & ENGINEERING

SUBMITTED
BY

STUDENT NAME

PRN NO

1) Mayuri Shivaji Tate	2064661242025
2) Akash Ananda Jadhav	2064661242019
3) Sathe Pratiksha Vilas	2064661242024
4) Sagar Tulshiram Sonawale	2064661242026
5) Ankita Mansing Chikate	1964661242028
6) Shweta Madhukar Pharne	2064661242005

UNDER THE GUIDANCE
OF
Mr. S. P. Patange



DEPARTMENT OF COMPUTER SCIENCE &
ENGINEERING,
SHREE SANTKRUPA INSTITUTE OF ENGINEERING &
TECHNOLOGY, GHOGAON

Academic Year 2022-23

**SHREE SANTKRUPA INSTITUTE OF ENGINEERING
& TECHNOLOGY, GHOGAON**


**DEPARTMENT OF COMPUTER SCIENCE &
ENGINEERING**

CERTIFICATE

This is to certify that,

STUDENT NAME	PRN NO
1) Mayuri Shrivaji Tate	2064661242025
2) Akash Ananda Jadhav	2064661242019
3) Sathe Pratiksha Vilas	2064661242024
4) Sagar Tulshiram Sonawale	2064661242026
5) Ankita Mansing Chikate	1964661242028
6) Shweta Madhukar Pharne	2064661242005

has satisfactorily completed the dissertation work entitled, "*Smart Mess System*". This work is being submitted in partial fulfilment for the requirement of **Bachelor of Technology in Computer Science & Engineering** as per rules laid down by Shree Santkrupa Institute of Engineering & Technology, Ghogaon under my guidance and supervision.


Mr. S. P. Patange

Guide

Department of Computer Science
& Engineering


Shree Santkrupa Institute of
Engineering & Technology,
Ghogaon.


Mr. S. P. Patange

Head

Department of Computer Science
& Engineering

Shree Santkrupa Institute of
Engineering & Technology,
Ghogaon.

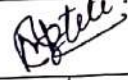


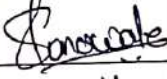
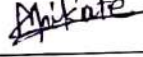
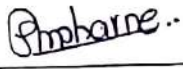

Dr. S. B. Kulkarni
Principal



Shree Santkrupa Institute of Engineering & Technology, Ghogaon.

DECLARATION

I hereby declare that the dissertation entitled, "*Smart Mess System*" was carried out and written by me under the guidance of **Mr. S. P. Patange**, Associate Professor of Computer Science & Engineering, Shree Santkrupa Institute of Engineering & Technology, Ghogaon. This work has not been previously formed the basis for the award of any degree nor has been submitted elsewhere for the award of any degree.

Sr.No	Name Of Student's (B.Tech., Computer Science & Engineering)	Signature
1	Ms. Mayuri Shivaji Tate	
2	Mr. Akash Ananda Jadhav	
3	Ms. Pratiksha Vilas Sathe	
4	Mr. Sagar Tulshiram Sonawale	
5	Ms. Ankita Mansing Chikate	
6	Ms. Shweta Madhukar Pharne	

Place: Ghogaon

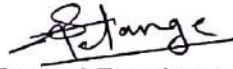
Date: 10/06/2023

Dissertation Approval Sheet

This group has done the appropriate work for the award of Bachelor of Technology in Computer Science & Engineering of Shree Santkrupa Institute of Engineering & Technology, Ghogaon. Affiliated to DR. Babasaheb Ambedkar Technological University, Lonere.



Guide: Mr. S. P. Patange



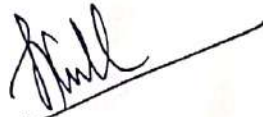
Internal Examiner:



External Examiner:



HOD: Mr. S. P. Patange



Principal: Dr. S. B. Kulkarni

Place: Ghogaon

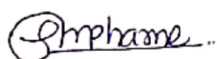
Date: 10/06/2023

UTILIZATION CERTIFICATE

This is to certify that amount of Rs 10000/- of grants-in-aid sanctioned and received from **SKYSCRAPER IT Services Mumbai** for the project of **Smart Mess System** under the Department of Computer Science Engineering [Letter No. 1047] dated 07/06/2023 for academic year 2022-23.

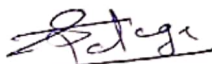
This amount has been utilized for the above said project and the details of utilization are given below-

Sr.No.	Name of component	Cost of component (in Rs.)
1	Consultation	2000/-
2	UI/UX Software Tool	3000/-
3	GPS Navigation Software	2000/-
4	Maintenance	2000/-
5	Documentation	1000/-
Total Amount		10000/-



Shweta M. Phame

Signature of student coordinator of group



Signature of HOD



Signature of Principal
Principal

Shree Santkrupa Institute of Engg. & Tech
Ghogaon, Tal Karad, Dist. Satara



US Technographics

Ph. No. - (02162) 220598

Mobile - 9422606810 / 8007949141

E-Mail - us_technographics@rediff.com, ustechnographics22@gmail.com

"KAIVALYA" 95, Koyana Sanmltra Hus. Soci. Ltd. Golibar Maldan, Vilaspurl, SATARA-415004(INDIA)

Subject: - Funding approved for engineering research.

Dear Students

- 1) SAIRAJ DATTATRAY PAWAR
- 2) VISHAL SUBHASH DEDE
- 3) BHUSHAN SHRINIWAS SALUNKHE
- 4) SARFRAJ ISAHAK PATEL
- 5) SHIVTEJ RAJENDRAKUMAR NALAWADE

Project Name:- Query Easy


It is with great pleasure that we inform you that your research project proposal has been approved for funding by our company. As an engineering student, your dedication and passion for your field have truly impressed us, and we are thrilled to be able to support your research endeavours.

Your project aligns with our company's values and goals, and we believe it has the potential to make a significant impact in the industry. We are confident that your innovative ideas and hard work will yield ground-breaking results and contribute to the advancement of technology.

As per the terms of the award, we have sanctioned a sum of 10,000 for your project, and we are excited to see the progress you make with this support. We would like to remind you that this award reflects your talent and potential, and we encourage you to continue pursuing your passion for engineering.

Once again, congratulations on this well-deserved award, and we wish you all the best in your research endeavors.



US Technographics

Mr. Amrut U Chavan
(C.E.O)

Copy To,

HOD Computer Department

Shree Santkrupa Institute of Engineering and Technology.



Reg.No.MH/4775/ (Satara) Est.:27/06/1996

DTE Code : EN 6466
University Code : 6466
MSBTE Code : 1215

SHREE SANTKRUPA SHIKSHAN SANSTHA'S

IQAC/2020/27

SHREE SANTKRUPA INSTITUTE OF ENGINEERING & TECHNOLOGY

Approved by AICTE New Delhi, DTE Mumbai & Affiliated to DBATU, Lonere and MSBTE, Mumbai

PRESIDENT

HON. DR. USHA A. JOHARI

SECRETARY

HON. MR. PRASUN A. JOHARI

PRINCIPAL

DR. SWANAND B. KULKARNI

Date-07/06/2023

To,

95 KAMALYA, KOYANA, SANMITRA HOUSING SOCIETY, VILASPUR, SATARA, Maharashtra – 415004
Subject - About Project Sponsorship.

Respected Sir,

With respect to above subject our students,

- 1.Mr. Sairaj Dattatray Pawar
- 2 Mr. Vishal Subhash Dede
- 3 Mr. Bhushan Shriniwas Salunkhe
- 4 Mr. Sarfraj Isahak Patel
- 5 Mr. Shivtej Rajendrakumar Nalawad

These students are studying in our institute in Final year B.Tech CSE Engineering class. We are writing this letter to request your support and sponsorship for their academic project which is part of DBATU Syllabus. The name of project is.'QUERY EASY' The project team has been working diligently to create an innovative project that will help us develop new skills and knowledge. However, we require financial support to make this project a success. We believe that your company has a proven track record of supporting initiatives that align with your values and objectives, and we would be honored to receive your sponsorship for this project. With your support, we will be able to cover the expenses for necessary equipment, materials, and other resources required for our project. Additionally, your sponsorship will help us gain recognition for our work and build our credibility in the industry. We are confident that this project will be beneficial to both parties as it will provide an opportunity for our college to showcase our students' abilities while also giving your company the chance to support a worthy cause and gain visibility.

We would appreciate your support and thank you for your time and consideration. We look forward to hearing from you soon.

Sincerely


HOD (Department)
Head

Dept. of Comp. Sci. Engg.
S.S.I.E.T. Ghogaon




Principal

Shree Santkrupa Institute of Engg. & Tech
Ghogaon, Tal. Karad, Dist. Satara

Ghogaon, Tal: Karad, Dist: Satara, Pin: 415111 (Maharashtra), Ph. (02164)257309, 257050

Website: www.sietghogaon.org Email: ssietdegree@gmail.com, 1215principal@msbte.com





A
DISSERTATION REPORT
ON
"QUERY EASY"
SUBMITTED IN PARTIAL FULFILLMENT OF
THE DEGREE OF
BACHELOR OF TECHNOLOGY
IN
COMPUTER SCIENCE & ENGINEERING
SUBMITTED
BY

STUDENT NAME	PRN NO
1) SAIRAJ DATTATRAY PAWAR	1964661242008
2) VISHAL SUBHASH DEDE	1964661242015
3) BHUSHAN SHRINIWAS SALUNKHE	2064661242018
4) SARFRAJ ISAHAK PATEL	2064661242008
5) SHIVTEJ RAJENDRAKUMAR NALAWADE	2064661242003

UNDER THE GUIDANCE
OF
Mrs. PATIL SWAPNALI S.



DEPARTMENT OF COMPUTER SCIENCE &
ENGINEERING,
SHREE SANTKRUPA INSTITUTE OF ENGINEERING &
TECHNOLOGY, GHOGOAN

2022 - 2023

**SHREE SANTKRUPA INSTITUTE OF ENGINEERING &
TECHNOLOGY, GHOGOAN**

**DEPARTMENT OF COMPUTER SCIENCE &
ENGINEERING**

CERTIFICATE

This is to certify that,

STUDENT NAME	PRN NO
1) SAIRAJ DATTATRAY PAWAR	1964661242008
2) VISHAL SUBHASH DEDE	1964661242015
3) BHUSHAN SHRINIWAS SALUNKHE	2064661242018
4) SARFRAJ ISAHAK PATEL	2064661242008
5) SHIVTEJ RAJENDRAKUMAR NALAWADE	2064661242003

has satisfactorily completed the dissertation work entitled, "*Query Easy*". This work is being submitted in partial fulfilment for the requirement of **Bachelor of Technology in Computer Science & Engineering** as per rules laid down by Shree Santkrupa Institute of Engineering & Technology, Ghogoan under my guidance and supervision.


Mrs. S. S. Patil

Guide

Department of Computer Science
& Engineering

Shree Santkrupa Institute of
Engineering & Technology,
Ghogoan.


Mr. S. P. Patange

Head

Department of Computer Science
& Engineering

Shree Santkrupa Institute of
Engineering & Technology,
Ghogoan.


Dr. S. B. Kulkarni


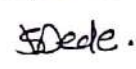
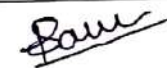

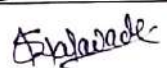
Principal



Shree Santkrupa Institute of Engineering & Technology, Ghogoan.

DECLARATION

I hereby declare that the dissertation entitled, "*Query Easy*" was carried out and written by me under the guidance of **Mrs. S. S. Patil**, Associate Professor of Computer Science & Engineering, Shree Santkrupa Institute of Engineering & Technology, Ghogaon. This work has not been previously formed the basis for the award of any degree nor has been submitted elsewhere for the award of any degree.

Sr.No	Name Of Student's (B.Tech., Computer Science & Engineering)	Signature
1	Mr. Sairaj Dattatray Pawar	
2	Mr. Vishal Subhash Dede	
3	Mr. Bhushan Shrinivas Salunkhe	
4	Mr. Sarfraj Isahak Patel	
5	Mr. Shivtej Rajendrakumar Nalawade	

Place: Ghogaon

Date: 10/06/2023

Dissertation Approval Sheet

This group has done the appropriate work for the award of Bachelor of Technology in Computer Science & Engineering of Shree Santkrupa Institute of Engineering & Technology, Ghogoan. Affiliated to DR. Babasaheb Ambedkar Technological University, Lonere.



Guide: Mrs. S. S. Patil



Internal Examiner:



External Examiner:



HOD: Mr. S. P. Patange



Principal: Dr. S. B. Kulkarni

Place: Ghogaon

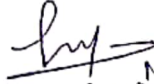
Date: 0 / 06 / 2023

UTILIZATION CERTIFICATE

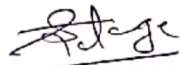
This is to certify that amount of Rs 10000/- of grants-in-aid sanctioned and received from **US techno graphics Satara** for the project of **Query Easy** under the Department of Computer Science Engineering [Letter No. 1048B] dated 07/06/2023 for academic year 2022-23.

This amount has been utilized for the above said project and the details of utilization are given below-

Sr.No.	Name of component	Cost of component (in Rs.)
1	Consultation	2500/-
2	Software Tools	4000/-
3	Testing Software Tools	2000/-
4	Documentation	1500/-
Total Amount		10000/-


Santaraj Patej

Signature of student coordinator of group


Signature of HOD



Signature of Principal

Principal

Shree Santkrupa Institute of Engg. & Tech
Ghogaon, Tal Karad, Dist. Satara





ATHARV COMPUTERS & IT NEXT SOLUTIONS KARAD

203, Shanivarpeth Opps. Galaxy Tailor Near Dattachowk Karad-415-110

Contact- 8275411304/8208174055 Mail- kingscomputer1234@gmail.com

Subject: Funding Approved for Engineering Project

Dear Students

Jadhav Sayali Shashikant

Patil Sejal Suhas

Khude Rajashri Rajendra

Shaikh Arif Haseeb

Ghadge Prashant Pradip

Project Name: Plastic and E-Waste Management System

It is with great pleasure that we inform you that your research project proposal has been approved for funding by our Institute. As an engineering student, your dedication and passion for your field have truly impressed us, and we are thrilled to be able to support your research endeavors.

Your project aligns with our company's values and goals, and we believe it has the potential to make a significant impact in the industry. We are confident that your innovative ideas and hard work will yield groundbreaking results and contribute to the advancement of technology.

As per the terms of the award, we have sanctioned a sum of 10000RS for your project, and we are excited to see the progress you make with this support. We would like to remind you that this award is a reflection of your talent and potential, and we encourage you to continue pursuing your passion for engineering.

Once again, congratulations on this well-deserved award, and we wish you all the best in your research endeavors.

Copy to HOD CSE.

Sincerely,
Atharv Computers
ItNext. Somee. Com.

8208174055

Ghogaon, Tal. Karad, Dist. Satara, Pin: 415111 (Maharashtra), Ph. (02164)251009, 267050
Website: www.sietghogaon.org Email: sietdegree@gmail.com, 1215principal@mabte.com



Reg.No.MH/4775/ (Satara) Est.:27/06/1996

DTE Code : EN 6466
University Code : 6466
MSBTE Code : 1215

SHREE SANTKRUPA SHIKSHAN SANSTHA'S

IQAC/2020/27

SHREE SANTKRUPA INSTITUTE OF ENGINEERING & TECHNOLOGY

Approved by AICTE New Delhi, DTE Mumbai & Affiliated to DBATU, Lonere and MSBTE, Mumbai

PRESIDENT
HON. DR. USHA A. JOHARI

SECRETARY
HON. MR. PRASUN A. JOHARI

PRINCIPAL
DR. SWANAND B. KULKARNI

Old No/SIET/1018C/2023-24

Date-07/06/2023

To,
ATHARV COMPUTERS & IT NEXT SOLUTIONS KARAD
Subject - About Project Sponsorship.

Respected Sir,

With respect to above subject our students,

- 1) Sejal Suhas Patil
- 2) Sayali Shashikant Jadhav
- 3) Arif Haseeb Shaikh
- 4) Rajashri Rajendra Khude
- 5) Prashant Pradip Ghadage

These students are studying in our institute in Final year B.Tech CSE Engineering class. We are writing this letter to request your support and sponsorship for their academic project which is part of DBATU Syllabus. The name of project is 'PLASTIC E WASTE MANAGEMENT SYSTEM'. The project team has been working diligently to create an innovative project that will help us develop new skills and knowledge. However, we require financial support to make this project a success. We believe that your company has a proven track record of supporting initiatives that align with your values and objectives, and we would be honored to receive your sponsorship for this project. With your support, we will be able to cover the expenses for necessary equipment, materials, and other resources required for our project. Additionally, your sponsorship will help us gain recognition for our work and build our credibility in the industry. We are confident that this project will be beneficial to both parties as it will provide an opportunity for our college to showcase our students' abilities while also giving your company the chance to support a worthy cause and gain visibility.

We would appreciate your support and thank you for your time and consideration. We look forward to hearing from you soon.

Sincerely



HOD (Department)
Head
Dept. of Comp. Sci. Engg.
S.S.I.E.T. Ghogaon




Principal
Shree Santkrupa Institute of Engg. & Tech
Ghogaon, Tal Karad, Dist. Satara

Ghogaon, Tal: Karad, Dist: Satara, Pin: 415111 (Maharashtra), Ph. (02164)257309, 257050
Website: www.sietghogaon.org Email: ssietdegree@gmail.com, 1215principal@msbte.com





A Dissertation Report

On

“Plastic and E-Waste Management System”

A project report submitted in partial fulfillment of the requirement for
the Award of Degree of

Bachelor of Technology

in

Computer Science & Engineering

SUBMITTED BY

STUDENT NAME

PRN. NO.

1] Sejal Suhas Patil	1964661242002
2] Sayali Shashikant Jadhav	1964661242006
3] Arif Haseeb Shaikh	1964661242026
4] Rajashri Rajendra Khude	1964661242014
5] Prashant Pradip Ghadage	2064661242028

UNDER THE GUIDANCE OF

Mrs. Patil Y. J.



Department of Computer Science & Engineering

Shree Santkrupa Institute of Engineering & Technology (B.Tech.), Ghogaon, Karad.

2022-2023

**Shree Santkrupa Institute of Engineering & Technology,
Ghogaon, Karad.**

Department of Computer Science & Engineering

CERTIFICATE

This is to certify that,

STUDENT NAME	PRN. NO.
1] Sejal Suhas Patil	1964661242002
2] Sayali Shashikant Jadhav	1964661242006
3] Arif Haseeb Shaikh	1964661242026
4] Rajashri Rajendra Khude	1964661242014
5] Prashant Pradip Ghadage	2064661242028

has satisfactorily completed the dissertation work entitled, "Plastic and E-Waste Management System". This work is being submitted in partial fulfillment for the requirement of Bachelor of Technology in Computer Science & Engineering as per rules laid down by Shree Santkrupa Institute of Engineering & Technology, Ghogaon under my guidance and supervision.



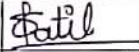
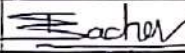


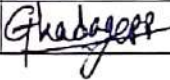
Mrs. Patil Y. J.
(Project Guide)



Prof. Santosh Patange
(Head of Department)

DECLARATION

I hereby declare that the dissertation entitled, "Plastic and E-Waste Management System" was carried out and written by me under the guidance of Mrs. Patil Y. J., Associate Professor of Computer Science & Engineering, Shree Santkrupa Institute of Engineering & Technology, Ghogaon. This work has not been previously formed the basis for the award of any degree nor has been submitted elsewhere for the award of any degree.

Sr.No.	Name of Student's (B.Tech, Computer Science & Engineering)	Signature
1.	Ms. Sejal Suhas Patil	
2.	Ms. Sayali Shashikant Jadhav	
3.	Mr. Arif Haseeb Shaikh	
4.	Ms. Rajashri Rajendra Khude	
5.	Mr. Prashant Pradip Ghadage	

DISSERTATION APPROVAL SHEET

This group has done appropriate work for the award of Bachelor of Technology in Computer Science & Engineering of Shree Santkrupa Institute of Engineering & Technology, Ghogaon.



Project Guide:
Prof. Patil Yojana



Head Of Department:
Prof. Santosh Patange



External Examiner:



Principal:
Dr. Swanand Kulkarni

Place: SSIET Ghogaon.

Date: 10 / 06 / 2023



UTILIZATION CERTIFICATE

This is to certify that amount of Rs 10000/- of grants-in-aid sanctioned and received from **Atharva Computers & IT Next Solution, Karad** for the project of **Plastic E Waste Management System** under the Department of Electrical Engineering [Letter No. 1048C] dated 07/06/2023 for academic year 2022-23.

This amount has been utilized for the above said project and the details of utilization are given below-

Sr.No.	Name of component	Cost of component (in Rs.)
1	Consultation	1500/-
2	Software Development Tools	4500/-
3	Data Analysis Tools	2000/-
4	Testing	1000/-
5	Documentation	1000/-
Total Amount		10000/-

Patil
sejal paril

Signature of student coordinator of group

Patil
Signature of HOD

Patil

Signature of Principal

Principal

Shree Santkrupa Institute of Engg. & Tech
Ghogaon, Tal Karad, Dist. Satara





ATHARV COMPUTERS & IT NEXT SOLUTIONS KARAD

203, Shanivarpeth Oppo. Galaxy Tailor Near Dattachowk Karad-415-110
Contact- 8275411304/8208174055 Mail- kingscomputer1234@gmail.com

Subject: Funding Approved for Engineering Project

Dear Students

Kurade Kedar Ravindra

Ghagare Suraj Laxman

Jadhav Suraj Dattatraya

Mohite Ganesh Tukaram

Yadav Pooja Ashok

Project Name: Automatic Text Summarization

It is with great pleasure that we inform you that your research project proposal has been approved for funding by our Institute. As an engineering student, your dedication and passion for your field have truly impressed us, and we are thrilled to be able to support your research endeavors.

Your project aligns with our company's values and goals, and we believe it has the potential to make a significant impact in the industry. We are confident that your innovative ideas and hard work will yield groundbreaking results and contribute to the advancement of technology.

As per the terms of the award, we have sanctioned a sum of **10000RS** for your project, and we are excited to see the progress you make with this support. We would like to remind you that this award is a reflection of your talent and potential, and we encourage you to continue pursuing your passion for engineering.

Once again, congratulations on this well-deserved award, and we wish you all the best in your research endeavors.

Copy to HOD CSE,

3th Oct 2023
Sincerely,
Atharv Computers
ItNext. Somee. Com.
Mob. 8208174055

Ghogaon, Tal: Karad, Dist: Satara, Pin: 415111 (Maharashtra), Ph. (02164)257309, 257050
Website: www.aletghogaon.org Email: aletdegree@gmail.com, 1215principal@mebte.com



Reg.No.MH/4775/ (Satara) Est.:27/06/1996

DTE Code : EN 6466
University Code : 6466
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SHREE SANTKRUPA SHIKSHAN SANSTHA'S

IQAC/2020/27

SHREE SANTKRUPA INSTITUTE OF ENGINEERING & TECHNOLOGY

Approved by AICTE New Delhi, DTE Mumbai & Affiliated to DBATU, Lonere and MSBTE, Mumbai

PRESIDENT

HON. DR. USHA A. JOHARI

SECRETARY

HON. MR. PRASUN A. JOHARI

PRINCIPAL

DR. SWANAND B. KULKARNI

Date-07/06/2023

010 N0/s1eT/1048 D/2023-24

To,
ATHARV COMPUTERS & IT NEXT SOLUTIONS KARAD
Subject - About Project Sponsorship.

Respected Sir,

With respect to above subject our students,

- 1]Kurade Kedar Ravindra
- 2]Ghagare Suraj Laxman
- 3]Jadhav Suraj Dattatray
- 4]Mohite Ganesh Tukaram
- 5]Yadav Pooja Ashok

These students are studying in our institute in Final year B.Tech CSE Engineering class. We are writing this letter to request your support and sponsorship for their academic project which is part of DBATU Syllabus. The name of project is. 'AUTOMATIC TEXT SUMMARIZATION' The project team has been working diligently to create an innovative project that will help us develop new skills and knowledge. However, we require financial support to make this project a success. We believe that your company has a proven track record of supporting initiatives that align with your values and objectives, and we would be honored to receive your sponsorship for this project. With your support, we will be able to cover the expenses for necessary equipment, materials, and other resources required for our project. Additionally, your sponsorship will help us gain recognition for our work and build our credibility in the industry. We are confident that this project will be beneficial to both parties as it will provide an opportunity for our college to showcase our students' abilities while also giving your company the chance to support a worthy cause and gain visibility.

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Sincerely

HOD (Department)
Head

Dept. of Comp. Sci. Engg.
S.S.I.E.T. Ghogaon



Principal
Shree Santkrupa Institute of Engg. & Tech
Ghogaon, Tal Karad, Dist. Satara

Ghogaon, Tal: Karad, Dist: Satara, Pin: 415111 (Maharashtra), Ph. (02164)257309, 257050

Website: www.sietghogaon.org Email: ssietdegree@gmail.com, 1215principal@msbte.com





A Dissertation Report
On

“Automatic Text Summarization”

A project report submitted in partial fulfillment of the
requirement for the Award of Degree of
Bachelor of Technology
In

Computer Science & Engineering

SUBMITTED BY

STUDENT NAME

- 1] Kedar Ravindra Kurade
- 2] Suraj Dattatraya Jadhav
- 3] Suraj Laxman Ghagare
- 4] Ganesh Tukaram Mohite
- 5] Pooja Ashok Yadav

PRN. NO.

- 2064661242014
- 2064661242013
- 2064661242009
- 2064661242033
- 2064661242027

UNDER THE GUIDANCE OF

Prof. Patange.S.P



Department of Computer Science & Engineering
Shree Santkrupa Institute of Engineering & Technology (B.Tech.), Ghogaon, Karad.
2022-2023

SHREE SANTKRUPA INSTITUTE OF ENGINEERING &
TECHNOLOGY, GHOGAON, KARAD.


Department of Computer Science & Engineering

CERTIFICATE


This is to certify that,

STUDENT NAME	PRN. NO.
1] Kedar Ravindra Kurade	2064661242014
2] Suraj Dattatraya Jadhav	2064661242013
3] Suraj Laxman Ghagare	2064661242009
4] Ganesh Tukaram Mohite	2064661242033
5] Pooja Ashok Yadav	2064661242027

has satisfactorily completed the dissertation work entitled, "Automatic Text Summarization". This work is being submitted in partial fulfillment for the requirement of Bachelor of Technology in Computer Science & Engineering as per rules laid down by Shree Santkrupa Institute of Engineering & Technology, Ghogaon under my guidance and supervision.


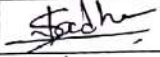

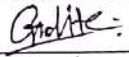
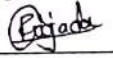

Prof. Patange.S.P
(Project Guide)




Prof. Patange.S.P
(Head of Department)

DECLARATION

I hereby declare that the dissertation entitled, "Automatic Text Summarization" was carried out and written by me under the guidance of Prof. Patange.S.P Associate Professor of Computer Science & Engineering, Shree Santkrupa Institute of Engineering & Technology, Ghogaon. This work has not been previously formed the basis for the award of any degree nor has been submitted elsewhere for the award of any degree.

Sr.No.	Name of Student's (B.Tech, Computer Science & Engineering)	Signature
1.	Mr. Kedar Ravindra Kurade	
2.	Mr. Suraj Dattatraya Jadhav	
3.	Mr. Suraj Laxman Ghagare	
4.	Mr. Ganesh Tukaram Mohite	
5.	Ms. Pooja Ashok Yadav	

DISSERTATION APPROVAL SHEET

This group has done appropriate work for the award of Bachelor of Technology in Computer Science & Engineering of Shree Santkrupa Institute of Engineering & Technology, Ghogaon.



Project Guide:

Prof. Patange.S.P



Head of Department:

Prof. Patange.S.P



External Examiner:



Principal:

Dr. Swanand Kulkarni

Place: SSIET Ghogaon.

Date: 10/06/2023

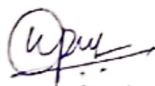


UTILIZATION CERTIFICATE

This is to certify that amount of Rs 10000/- of grants-in-aid sanctioned and received from **Atharva Computers & IT Next Solution, karad** for the project of **Automatic Text Summarization** under the Department of Computer Science Engineering [Letter No. 1048D] dated 07/06/2023 for academic year 2022-23.

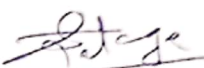
This amount has been utilized for the above said project and the details of utilization are given below-

Sr.No.	Name of component	Cost of component (in Rs.)
1	Consultation	1500/-
2	Software Development Tools	3000/-
3	Cloud Storage	3500/-
4	Testing	1000/-
5	Documentation	1000/-
Total Amount		10000/-



Kedar Kurade

Signature of student coordinator of group



Signature of HOD



Signature of Principal
Principal

Shree Santkrupa Institute of Engg. & Tech
Ghogaon, Tal Karad, Dist. Satara





ATHARV COMPUTERS & IT NEXT SOLUTIONS KARAD

203, Shanivarpeth Oppo. Galaxy Tailor Near Dattachowk Karad-415-110
Contact- 8275411304/8208174055 Mail- kingcomputer1234@gmail.com

Subject: Funding Approved for Engineering Project

Dear Students

Swapnil Anandrao Pawar

Jamdade Nilesh Prakash

Deshamukh Shubham Dashrath

Shitole Ankita Adhikrao

Yedage Bajarang Nau

Project Name: Cursor Global Positioning Framework

It is with great pleasure that we inform you that your research project proposal has been approved for funding by our Institute. As an engineering student, your dedication and passion for your field have truly impressed us, and we are thrilled to be able to support your research endeavors.

Your project aligns with our company's values and goals, and we believe it has the potential to make a significant impact in the industry. We are confident that your innovative ideas and hard work will yield groundbreaking results and contribute to the advancement of technology.

As per the terms of the award, we have sanctioned a sum of **10000RS** for your project, and we are excited to see the progress you make with this support. We would like to remind you that this award is a reflection of your talent and potential, and we encourage you to continue pursuing your passion for engineering.

Once again, congratulations on this well-deserved award, and we wish you all the best in your research endeavors.

Copy to HOD CSE,

3/10/2029
Sincerely,
Atharv Computers
ItNext, Somee. Com.
Mob. 8208174055

Ghogaon, Tal: Karad, Dist: Satara, Pin: 415111 (Maharashtra), Ph. (02164)257309, 257050
Website: www.sitelghogaon.org Email: saitdegree@gmail.com, 1215principal@meble.com



Reg.No.MH/4775/ (Satara) Est.:27/06/1996

DTE Code : EN 6466
University Code : 6466
MSBTE Code : 1215

SHREE SANTKRUPA SHIKSHAN SANSTHA'S

IQAC/2020/27

SHREE SANTKRUPA INSTITUTE OF ENGINEERING & TECHNOLOGY

Approved by AICTE New Delhi, DTE Mumbai & Affiliated to DBATU, Lonere and MSBTE, Mumbai

PRESIDENT

HON. DR. USHA A. JOHARI

SECRETARY

HON. MR. PRASUN A. JOHARI

PRINCIPAL

DR. SWANAND B. KULKARNI

Date-07/06/2023

old No/SIET/1048/2023-24

To,

ATHARV COMPUTERS & IT NEXT SOLUTIONS KARAD
Subject - About Project Sponsorship.

Respected Sir,

With respect to above subject our students,

- 1) Swapnil Anandrao Pawar
- 2) Nilesh Prakash Jamdade
- 3) Shubham Dashrath Deshamukh
- 4) Ankita Adhikrao Shitole
- 5) Bajarang Nau Yedage

These students are studying in our institute in Final year B.Tech CSE Engineering class. We are writing this letter to request your support and sponsorship for their academic project which is part of DBATU Syllabus. The name of project is **Cursor Global Positioning Framework**. The project team has been working diligently to create an innovative project that will help us develop new skills and knowledge. However, we require financial support to make this project a success. We believe that your company has a proven track record of supporting initiatives that align with your values and objectives, and we would be honored to receive your sponsorship for this project. With your support, we will be able to cover the expenses for necessary equipment, materials, and other resources required for our project. Additionally, your sponsorship will help us gain recognition for our work and build our credibility in the industry. We are confident that this project will be beneficial to both parties as it will provide an opportunity for our college to showcase our students' abilities while also giving your company the chance to support a worthy cause and gain visibility.

We would appreciate your support and thank you for your time and consideration. We look forward to hearing from you soon.

Sincerely

HOD (Department)
Head

Dept. of Comp. Sci. Engg.
S.S.I.E.T. Ghogaon



Principal

Shree Santkrupa Institute of Engg. & Tech
Ghogaon, Tal Karad, Dist. Satara

Ghogaon, Tal: Karad, Dist: Satara, Pin: 415111 (Maharashtra), Ph. (02164)257309, 257050

Website: www.sietghogaon.org Email: ssietdegree@gmail.com, 1215principal@msbte.com





A Dissertation Report

On

“Cursor Global Positioning Framework”

A project report submitted in partial fulfillment of the requirement for
the Award of Degree of

Bachelor of Technology

In

Computer Science & Engineering

SUBMITTED BY

STUDENT NAME	PRN. NO.
1] Swapnil Anandrao Pawar	2064661242031
2] Nilesh Prakash Jamdade	2064661242022
3] Shubham Dashrath Deshamukh	2064661242021
4] Ankita Adhikrao Shitole	2064661242023
5] Bajarang Nau Yedage	2064661242028

UNDER THE GUIDANCE OF

Miss. Vibhute A.U.



Department of Computer Science & Engineering

Shree Santkrupa Institute of Engineering & Technology (B.Tech.), Ghogaon, Karad.

2022-2023

**Shree Santkrupa Institute of Engineering & Technology,
Ghogaon, Karad.**


Department of Computer Science & Engineering




This is to certify that,

STUDENT NAME	PRN. NO.
1] Swapnil Anandrao Pawar	2064661242031
2] Nilesh Prakash Jamdade	2064661242022
3] Shubham Dasharth Deshmukh	2064661242021
4] Ankita Adikrao Shitole	2064661242023
5] Bajarang Nau Yedage	2064661242002

has satisfactorily completed the dissertation work entitled, “**Cursor Global Positioning Framework**”. This work is being submitted in partial fulfillment for the requirement of **Bachelor of Technology in Computer Science & Engineering** as per rules laid down by Shree Santkrupa Institute of Engineering & Technology, Ghogaon under my guidance and supervision.


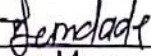
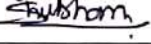
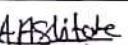
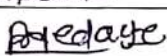

Miss. Vibhute A.U.
(Project Guide)




Prof. Santosh Patange
(Head of Department)

DECLARATION

I hereby declare that the dissertation entitled, "Cursor Global Positioning Framework" was carried out and written by me under the guidance of Miss Vibhute A.U., Associate Professor of Computer Science & Engineering, Shree Santkrupa Institute of Engineering & Technology, Ghogaon. This work has not been previously formed the basis for the award of any degree nor has been submitted elsewhere for the award of any degree.

Sr.No.	Name of Student's (B.Tech, Computer Science & Engineering)	Signature
1.	Mr. Swapnil Anandrao Pawar	
2.	Mr. Nilesh Prakash Jamdade	
3.	Mr. Shubham Dashrath Deshmukh	
4.	Ms. Ankita Adhikrao Shitole	
5.	Mr. Bajarang Nau Yedage	

DISSERTATION APPROVAL SHEET

This group has done appropriate work for the award of Bachelor of Technology in Computer Science & Engineering of Shree Santkrupa Institute of Engineering & Technology, Ghogaon.

A. Vibhute
7/6/23

Project Guide:

Miss. Vibhute A.U.

S. Patange

Head Of Department:

Mr. Santosh Patange

Dr. S. Kulkarni

External Examiner:

Dr. S. Kulkarni

Principal:

Dr. Swanand Kulkarni

Place: SSIET Ghogaon.

Date: 07/06/2023

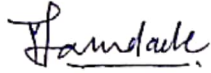


UTILIZATION CERTIFICATE

This is to certify that amount of Rs 10000/- of grants-in-aid sanctioned and received from **Atharva Computers & IT Next Solution, Karad** for the project of **Cursor Global Positioning Framework** under the Department of Computer Science Engineering [Letter No. 1048] dated 07/06/2023 for academic year 2022-23.

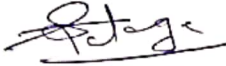
This amount has been utilized for the above said project and the details of utilization are given below-

Sr.No.	Name of component	Cost of component (in Rs.)
1	Consultation	1500/-
2	Software Development Tools	5000/-
3	Testing Software Tools	2000/-
4	Documentation	1500/-
Total Amount		10000/-



Nilesh P. Jamdade

Signature of student coordinator of group



Signature of HOD



Signature of Principal
Principal

Shree Santkrupa Institute of Engg. & Tech
Ghogaon, Tal Karad, Dist. Satara





ATHARV COMPUTERS & IT NEXT SOLUTIONS KARAD

203, Shanivarpeth Oppo. Galaxy Tailor Near Dattachowk Karad-415-110
 Contact- 8275411304/8208174055 Mail- kingcomputer1234@gmail.com

Subject: Funding Approved for Engineering Project

Dear Students

Pawar Shital Laxman

Chavan Rutuja Rajendra

Shinde Payal Shivrji

Naik Vishwaji Pratap

Mane Swapnil Anandrao

Project Name: Farmer Assistant System

It is with great pleasure that we inform you that your research project proposal has been approved for funding by our Institute. As an engineering student, your dedication and passion for your field have truly impressed us, and we are thrilled to be able to support your research endeavors.

Your project aligns with our company's values and goals, and we believe it has the potential to make a significant impact in the industry. We are confident that your innovative ideas and hard work will yield groundbreaking results and contribute to the advancement of technology.

As per the terms of the award, we have sanctioned a sum of **10000RS** for your project, and we are excited to see the progress you make with this support. We would like to remind you that this award is a reflection of your talent and potential, and we encourage you to continue pursuing your passion for engineering.

Once again, congratulations on this well-deserved award, and we wish you all the best in your research endeavors.

Copy to HOD CSE,

Sincerely,
 Atharv Computers
 ItNext. Somee. Com.
 Mob. 8208174055

Ghogaon, Tal: Karad, Dist: Satara, Pin: 415111 (Maharashtra), Ph. (02164)257509, 257050
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Reg.No.MH/4775/ (Satara) Est.:27/06/1996

DTE Code : EN 6466
University Code : 6466
MSBTE Code : 1215

SHREE SANTKRUPA SHIKSHAN SANSTHA'S

IQAC/2020/27

SHREE SANTKRUPA INSTITUTE OF ENGINEERING & TECHNOLOGY

Approved by AICTE New Delhi, DTE Mumbai & Affiliated to DBATU, Lonere and MSBTE, Mumbai

PRESIDENT

HON. DR. USHA A. JOHARI

SECRETARY

HON. MR. PRASUN A. JOHARI

PRINCIPAL

DR. SWANAND B. KULKARNI

Date-07/06/2023

010/NO/SIET/1048/2023-24

To,

ATHARV COMPUTERS & IT NEXT SOLUTIONS KARAD

Subject - About Project Sponsorship.

Respected Sir,

With respect to above subject our students,

- 1] Pawar Shital Laxman
- 2] Chavan Rutuja Rajendra
- 3] Shinde Payal Shivaji
- 4] Naik Vishwajeet Pratap
- 5] Mane Swapnil Anandrao

These students are studying in our institute in Final year B.Tech CSE Engineering class. We are writing this letter to request your support and sponsorship for their academic project which is part of DBATU Syllabus. The name of project is 'Farmer Assistance System'. The project team has been working diligently to create an innovative project that will help us develop new skills and knowledge. However, we require financial support to make this project a success. We believe that your company has a proven track record of supporting initiatives that align with your values and objectives, and we would be honored to receive your sponsorship for this project. With your support, we will be able to cover the expenses for necessary equipment, materials, and other resources required for our project. Additionally, your sponsorship will help us gain recognition for our work and build our credibility in the industry. We are confident that this project will be beneficial to both parties as it will provide an opportunity for our college to showcase our students' abilities while also giving your company the chance to support a worthy cause and gain visibility.

We would appreciate your support and thank you for your time and consideration. We look forward to hearing from you soon.

Sincerely

HOD (Department)
Head

Dept. of Comp. Sci. Engg,
S.S.I.E.T. Ghogaon



Principal

Shree Santkrupa Institute of Engg. & Tech
Ghogaon, Tal Karad, Dist. Satara

Ghogaon, Tal: Karad, Dist: Satara, Pin: 415111 (Maharashtra), Ph. (02164)257309, 257050

Website: www.sietghogaon.org Email: ssietdeqree@gmail.com, 1215principal@msbte.com





A Dissertation Report
On
“Farmer Assistant System”
A project report submitted in partial fulfilment of the requirement
for the Award of Degree of
Bachelor of Technology
in
Computer Science & Engineering
SUBMITTED BY

STUDENT NAME	PRN. NO.
1] Shital Laxman Pawar	1964661242011
2] Rutuja Rajendra Chavan	1964661242007
3] Payal Shivaji Shinde	1964661242010
4] Vishwajit Pratap Naik	2064661242010
5] Swapnil Anandrao Mane	2064661242006

UNDER THE GUIDANCE OF
Prof. Sandip U. Deshmukh.



Department of Computer Science & Engineering
Shree Santkrupa Institute of Engineering & Technology (B.Tech.),
Ghogaon, Karad.
2022-2023

SHREE SANTKRUPA INSTITUTE OF ENGINEERING &
TECHNOLOGY, GHOGAON, KARAD.

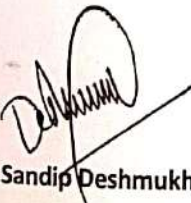
Department of Computer Science & Engineering

CERTIFICATE


This is to certify that,

STUDENT NAME	PRN. NO.
1) Shital Laxman Pawar	1964661242011
2) Rutuja Rajendra Chavan	1964661242007
3) Payal Shivaji Shinde	1964661242010
4) Vishwajit Pratap Naik	2064661242010
5) Swapnil Anandrao Mane	2064661242006

has satisfactorily completed the dissertation work entitled, "Farmers Assistant System". This work is being submitted in partial fulfilment for the requirement of Bachelor of Technology in Computer Science & Engineering as per rules laid down by Shree Santkrupa Institute of Engineering & Technology, Ghogaon under my guidance and supervision.


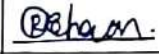
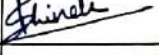
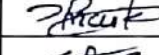


Prof. Sandip Deshmukh
(Project Guide)




Prof. Santosh Patange
(Head of Department)

DECLARATION

I hereby declare that the dissertation entitled, "Farmers Assistant" was carried out and written by me under the guidance of Prof. Sandip Deshmukh. Associate Professor of Computer Science & Engineering, Shree Santkrupa Institute of Engineering & Technology, Ghogaon. This work has not been previously formed the basis for the award of any degree nor has been submitted elsewhere for the award of any degree.

Sr.No.	Name of Student (B.Tech, Computer Science & Engineering)	Signature
1.	Ms. Shital Laxman Pawar	
2.	Ms. Rutuja Rajendra Chavan	
3.	Ms. Payal Shivaji Shinde	
4.	Mr. Vishwajit Pratap Naik	
5.	Mr. Swapnil Anandrao Mane	

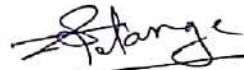
DISSERTATION APPROVAL SHEET

This group has done appropriate work for the award of Bachelor of Technology in Computer Science & Engineering of Shree Santkrupa Institute of Engineering & Technology, Ghogaon.



Project Guide:

Prof. Sandip Deshmukh



Head of Department:

Prof. Santosh Patange



External Examiner:



Principal:

Dr. Swanand Kulkarni

Place: SSIET Ghogaon.

Date: 10/06/2023

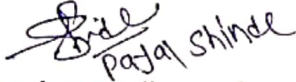


UTILIZATION CERTIFICATE

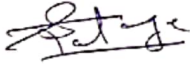
This is to certify that amount of Rs 10000/- of grants-in-aid sanctioned and received from **Atharva Commuters & IT Next Solution, Karad** for the project of **Farmer Assistance System** under the Department of Computer Science Engineering [Letter No. 1048] dated 07/06/2023 for academic year 2022-23.

This amount has been utilized for the above said project and the details of utilization are given below-

Sr.No.	Name of component	Cost of component (in Rs.)
1	Consultation	2000/-
2	Software Development Tools	4000/-
3	GPS Software	3000/-
4	Documentation	1000/-
Total Amount		10000/-


Pooja Shinde

Signature of student coordinator of group



Signature of HOD



Signature of Principal
Principal

Shree Santkrupa Institute of Engg. & Tech
Ghogaon, Tal Karad, Dist. Satara





Subject:-Funding approved for engineering research

Dear Students.

- 1.Nilam Atul Chopade
- 2.Snehal Vitthal Patil
- 3.Shivani Sudhir Surve
- 4.Shraddha Baburav Patil
- 5.Vishal Yuvraj Kengar

Project Name:-REDO BLOOD APP

It is with great that we inform you that your research project proposal has been approved for funding by our company. As an engineering student, your dedication and passion for your field have truly impressed us, and we are thrilled to be able to support your research endeavours.

Your project aligns with our company's values and goals, and we believe it has the potential to make a significant impact in the industry. We are confident that your innovative ideas and hard work will yield ground-breaking results and contribute to the advancement of technology.

As per the terms of the award, we have sanctioned a sum of **10,000** for your project, and we are excited to see the progress you make with this support. We would like to remind you that this award reflects your talent and potential, and we encourage you to continue pursuing your passion for engineering.

Once again, congratulations on this well-deserved award, and we wish you all the best in your research endeavours.



Megha Patole
Megha Patole
Executive Engineer
Global Eye Vision

Copy To,

**HOD Computer Science Department
Shree Santkrupa Institute of Engineering and Technology**

Global Vision Pvt. Ltd.

- **Head Office** : No 22, Vithalesh Chamber, Balkrishna Market, Haveli Lane, Opp Rang Mahel Gate, Junagadh-362001, Gujarat (India)
 - **Branch Office** : Opp Essar Fuel Pump, Tasgaon Road, Vita, Tal-khanapur, Dist-sangli, Maharashtra (India)
- 9579212458, 9970680958, e-Mail : globaleyevision24@gmail.com



SHREE SANTKRUPA SHIKSHAN SANSTHA'S

IQAC/2020/27

SHREE SANTKRUPA INSTITUTE OF ENGINEERING & TECHNOLOGY

Approved by AICTE New Delhi, DTE Mumbai & Affiliated to DBATU, Lonere and MSBTE, Mumbai

PRESIDENT

HON. DR. USHA A. JOHARI

SECRETARY

HON. MR. PRASUN A. JOHARI

PRINCIPAL

DR. SWANAND B. KULKARNI

CID No/SIET/1048A/2023-24

Date-07/06/2023

To,

Global Eye Vision,

Junagadh, Gujarat

Subject - About Project Sponsorship.

Respected Sir,

With respect to above subject our students,

Nilam Atul Chopade

Shnehal Vitthal Patil

Shivani Sudhir Surve

Shraddha Baburao Patil

Vishal Yuvraj Kengar

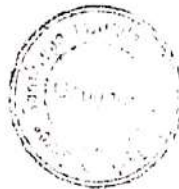
These students are studying in our institute in Final year B.Tech CSE Engineering class. We are writing this letter to request your support and sponsorship for their academic project which is part of DBATU Syllabus. The name of project is 'REDO BLOOD APP.' The project team has been working diligently to create an innovative project that will help us develop new skills and knowledge. However, we require financial support to make this project a success. We believe that your company has a proven track record of supporting initiatives that align with your values and objectives, and we would be honored to receive your sponsorship for this project. With your support, we will be able to cover the expenses for necessary equipment, materials, and other resources required for our project. Additionally, your sponsorship will help us gain recognition for our work and build our credibility in the industry. We are confident that this project will be beneficial to both parties as it will provide an opportunity for our college to showcase our students' abilities while also giving your company the chance to support a worthy cause and gain visibility.

We would appreciate your support and thank you for your time and consideration. We look forward to hearing from you soon.

Sincerely

HOD (Department)

Received



Principal
Shree Santkrupa Institute of Engg. & Tech.
Ghogaon, Tal. Karad, Dist. Satara

Ghogaon, Tal: Karad, Dist: Satara, Pin: 415111 (Maharashtra), Ph. (02164)257309, 257050

Website: www.sietghogaon.org Email: ssietdegree@gmail.com, 1215principal@msbte.com



Synopsis of
project
of
“REDO BLOOD APP”

Submitted to the

Dr. Babasaheb Ambedkar Technological University, Lonere

Submitted by

Miss. Chopade Nilam Atul (PRN-1964661242001)

Miss. Patil Snehal Vitthal (PRN-2064661242004)

Miss. Surve Shivani Sudhir (PRN-2064661242007)

Miss. Patil Shraddha Baburao (PRN-2064661242012)

Mr. Kengar Vishal Yuvraj (PRN-2064661242001)

Under Guidance
of

Mr. Sadavare A.B



Department of Computer Science Engineering

**Shree Santkrupa Institute of Engineering & Technology (B.Tech),
Ghogaon, Karad.**

Academic year 2022-2023

**SHREE SANTKRUPA INSTITUTE OF ENGINEERING AND
TECHNOLOGY, GHOGAON**

(Dr. Babasaheb Ambedkar Technology University, Lonere)

Dept. of Computer Science and Engineering**CERTIFICATE**

This is to certify that,

STUDENT NAME	PRN. NO.
1] Shivani Sudhir Surve	2064661242007
2] Nilam Atul Chopade	1964661242001
3] Snehal Vitthal Patil	2064661242004
4] Shraddha Baburao Patil	2064661242012
5] Vishal Yuvraj Kengar	2064661242001

has satisfactorily completed the dissertation work entitled, "REDO BLOOD APP". This work is being submitted in partial fulfilment for the requirement of Bachelor of Technology in Computer Science & Engineering as per rules laid down by Shree Santkrupa Institute of Engineering & Technology, Ghogaon under my guidance and supervision.



Prof. Sadavare. A. B.

Guide

Btech (Computer Science and Engg.)

SSIET, Ghogaon



Mr. Patange. S.P.

HOD

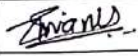
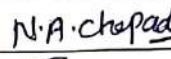
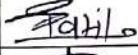

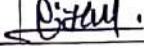
(Dept. of CSE)

SSIET, Ghogaon



DECLARATION

I hereby declare that the dissertation entitled, "Redo Blood App" was carried out and written by me under the guidance of **Mr.Sadavare.A.B.**, Associate Professor of Computer Science & Engineering, Shree Santkrupa Institute of Engineering & Technology, Ghogaon. This work has not been previously formed the basis for the award of any degree nor has been submitted elsewhere for the award of any degree.

Sr.No.	Name of Student's (B.Tech, Computer Science & Engineering)	Signature
1.	Ms. Shivani Sudhir Surve	
2.	Ms. Nilam Atul Chopade	
3.	Ms. Snehal Vitthal Patil	
4.	Ms. Shraddha Baburao Patil	
5.	Mr. Vishal Yuvraj Kengar	

DISSERTATION APPROVAL SHEET

This group has done appropriate work for the award of Bachelor of Technology in Computer Science & Engineering of Shree Santkrupa Institute of Engineering & Technology, Ghogaon.



Project Guide:

Prof. Sadavare.A.B.



Head of Department:

Prof. Santosh Patange



External Examiner:



Principal:

Dr. Swanand Kulkarni

Place: SSIET Ghogaon.

Date: 10 / 6 / 2023

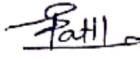


UTILIZATION CERTIFICATE

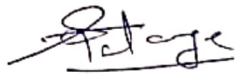
This is to certify that amount of Rs 10000/- of grants-in-aid sanctioned and received from **Global Vision, Vita** for the project of **Redo Blood APP** under the Department of Computer Science Engineering [Letter No. 1048A] dated 07/06/2023 for academic year 2022-23.

This amount has been utilized for the above said project and the details of utilization are given below-

Sr.No.	Name of component	Cost of component (in Rs.)
1	Consultation	1000/-
2	UI/UX Development Tools	3000/-
3	Software Development Tools	2000/-
4	Testing	2500/-
5	Documentation	1500/-
Total Amount		10000/-


Senhaj V. Patil

Signature of student coordinator of group


Signature of HOD



Signature of Principal

Principal

Shree Santkrupa Institute of Engg. & Tech
Ghogaon, Tai Karad, Dist. Satara



2021-22



Aryan Fabrication and Engineering Works Pvt. Ltd.

Kolhapur-Ratnagiri road, Malkapur, Tal- Shshuwadi, Dist- Kolhapur.

To Whomsoever it May Concern

This is to certify that Mr. Mohite Aditya, Mr. Pawar Rutwik, Mr. Mane Prashant, Mr. Kalekar Saurabh, Mr. Khandagale Akshay students of Shree Santkrupa Institute of engineering and technology (B.Tech.), Ghogaon has successfully completed final year project work titled "Double wishbone Independent suspension system" at Aryan Fabrication and Engineering Works Pvt. Ltd. Malkapur.

Project Duration: 1st August 2021-31st March 2022,

Project cost sponsored: 15,000/-

During Project work we found all of them to be sincere and hardworking.

We wish them all the success in their future endeavor.



Aryan Welding And Fabrication

Proprietor

आर्यन वेल्डींग अँड फॅब्रिकेटर्स

शासकीय रुग्णालयाजवळ, वारणा कॉलेज समोर

मलकापूर, ता.शाहुवाडी, जि.कोल्हापूर

प्रोप्रा.विजय य. भासले

मोबाईल:- 8605560432



Reg.No.MH/4775/(Satara)Est.: 27/06/1996

DTE Code:EE1566
UNIVERSITY Code:696

SHREE SANTKRUPA SHIKSHAN SANSTHA'S
SHREE SANTKRUPA INSTITUTE OF ENGINEERING & TECHNOLOGY (B.TECH)

Approved by AICTE, New Delhi & DTE, Mumbai
Affiliated to: Dr. Babasaheb Ambedkar Technological University, Lonere, Dist. Raichur

PRESIDENT
HON. DR. USHA A. JOHARI

SECRETARY
HON. MR. PRASUN A. JOHARI

PRINCIPAL
DR. SWAHAND B. KULKARNI

सा.श्री/SIET/851/2021-22

Date- 22/03/2022

To,
The owner,
Aryan fabrication and Engineering works, Malkapur,
Tal-Shahuwadi, Dist.-kolhapur

er's
/
ks

Subject - About Project Sponsorship Letter.

Respected Sir/Madam,


Mr. Mohite Aditya Abhay, Mr. Pawar Rutwik Dilip, Mr. Mane Prashant Sampat, Mr. Kalekar Saurabh Rajendra, Mr. Khandekar Akshay Balu these students are studying in our institute in final year B.Tech (Mechanical Engg.) class. We are writing this letter to request your support and sponsorship for their academic project which is part of DBATU Syllabus. The name of project is **Double Wishbone Independent Suspension System** which aims to reduce cycle time & improve driving comfort, even on the bumpiest roads.

The project team has been working diligently to create an innovative project that will help us develop new skills and knowledge. However, we require financial support to make this project a success. We believe that your company has a proven track record of supporting initiatives that align with your values and objectives, and we would be honored to receive your sponsorship for this project. With your support, we will be able to cover the expenses for necessary equipment, materials, and other resources required for our project. Additionally, your sponsorship will help us gain recognition for our work and build our credibility in the industry. We are confident that this project will be beneficial to both parties as it will provide an opportunity for our college to showcase our students' abilities while also giving your company the chance to support a worthy cause and gain visibility.

We would appreciate your support and thank you for your time and consideration. We look forward to hearing from you soon.

Sincerely,




Principal
Shree Santkrupa Institute of Engg. & Tech
Ghogaon, Tal Karad, Dist. Satara

A
DISSERTATION REPORT
ON
“DOUBLE WISHBONE INDEPENDENT SUSPENSION SYSTEM”

SUBMITTED IN PARTIAL FULFILLMENT OF
THE REQUIREMENT FOR THE AWARD OF DEGREE OF
BACHELOR'S OF TECHNOLOGY
IN
MECHANICAL ENGINEERING
OF
“DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY,
LONERE.”

SUBMITTED BY
MR. MOHIRE ADITYA ABHAY
MR. PAWAR RUTVIK DILIP
MR. MANE PRASHANT SAMPAT
MR. JADHAV PRATHAMESH ANIL
MR. KALEKAR SOURABH RAJENDRA
MR. KHANDAGALE AKSHAY BALU

UNDER THE GUIDANCE OF
Prof. BHOSALE B.Y.



DEPARTMENT OF MECHANICAL ENGINEERING
SHREE SANTKRUPA INSTITUTE OF ENGINEERING &
TECHNOLOGY,
Ghogaon, Dist. Satara (M.S.)

2021- 2022

SHREE SANTKRUPA INSTITUTE OF ENGINEERING & TECHNOLOGY,
Ghogaon, Dist. Satara (M.S.)

DEPARTMENT OF MECHANICAL ENGINEERING



This is to certify that the seminar report entitled
“DOUBLE WISHBONE INDEPENDENT SUSPENSION SYSTEM”

is a bonafide work


of

MR. MOHIRE ADITYA ABHAY
MR. PAWAR RUTVIK DILIP
MR. MANE PRASHANT SAMPAT
MR. JADHAV PRATHAMESH ANIL
MR. KALEKAR SOURABH RAJENDRA
MR. KHANDAGALE AKSHAY BALU

in the partial fulfillment of the requirements for the award of Degree of Bachelor of
Technology in Mechanical Engineering
of

Dr. Babasaheb Ambedkar Technological University, Lonere.

He has carried out the work under my supervision and guidance, during academic year 2021-
2022 and to the best of our knowledge the work reported herein does not form the part of any
other thesis or dissertation.



Prof. Bhosale B.Y.
(Project Guide)



Prof. Bhosale B.Y.
Head(Department of Mech.Engg.)



Dr. S.B. Kulkarni



External Examiner

Principal

Shree Santkrupa Institute of Engg. & Tech.
Ghogaon, Tal. Karad, Dist. Satara



Date: 08/08/2022

Place: Ghogaon

DECLARATION

I hereby declare that I have formed, completed and written the Project entitled "DOUBLE WISHBONE INDEPENDENT SUSPENSION SYSTEM". It has not been previously submitted for the basis of the award of any degree or diploma or other similar title of this for any other diploma/examining body or university.

Sr.No	Name of Student's (B,Tech.Mechanical Engineering)	Signature
1.	MR. MOHIRE ADITYA ABHAY	A.A.Mohire
2.	MR. PAWAR RUTVIK DILIP	R.Pawar
3.	MR. MANE PRASHANT SAMPAT	M.Mane
4.	MR. JADHAV PRATHAMESH ANIL	M.Jadhav
5.	MR. KALEKAR SOURABH RAJENDRA	S.Kalekar
6.	MR. KHANDAGALE AKSHAY BALU	A.Khandagale

Date: 08/07/2022

Place: Ghogaon

UTILIZATION CERTIFICATE

This is to certify that amount of Rs 15000/- of grants-in-aid sanctioned and received from Aryan fabrication and Engineering works, Shahuwadi for the project of **Double Wishbone Independent suspension system** under the Department of Mechanical Engineering [Letter No. 875] dated 22/3/2022 for academic year 2022-23.

This amount has been utilized for the above said project and the details of utilization are given below-

Sr.No.	Name of component	Cost of component (in Rs.)
1	4 Coil spring	4000/-
2	Cylindrical pipes (60 ft.)	2000/-
3	Square pipes (30 ft.)	1000/-
4	Welding rods	2000/-
5	4 wheels	6000/-
Total Amount		15000/-

A. A. Mohre

(Mr. Mohire A. A)

Signature of student coordinator of group

mmk
Signature of HOD

Dept. of Mechanical Engg
S.S.I.E.T. Ghogaon



[Signature]

Signature of Principal
Principal

Shree Santkrupa Institute of Engg. & Tech
Ghogaon, Tal. Karad, Dist. Satara

incedo

WHERE INNOVATION PROPELS

Sammon Magnum Opus, near Orchid School,
Baner, Pune, Maharashtra 411045
E-Mail – indedopune@incedo.in
Tel No. 020 71162234

Subject: - Funding approved for engineering research

Dear Students.

1. Mrunal Tanaji Mhaske
2. Mayuri Sambhaji Chavan
3. Shivani Rajendra Valiv

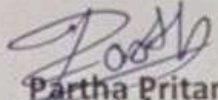
Project Name: - Robotic Control UVC rays sanitizing.

It is with great pleasure that we inform you that your research project proposal has been approved for funding by our company. As an engineering student, your dedication and passion for your field have truly impressed us, and we are thrilled to be able to support your research endeavours.

Your project aligns with our company's values and goals, and we believe it has the potential to make a significant impact in the industry. We are confident that your innovative ideas and hard work will yield ground-breaking results and contribute to the advancement of technology.

As per the terms of the award, we have sanctioned a sum of 10,000 for your project, and we are excited to see the progress you make with this support. We would like to remind you that this award reflects your talent and potential, and we encourage you to continue pursuing your passion for engineering.

Once again, congratulations on this well-deserved award, and we wish you all the best in your research endeavours.


Partha Pritam
Executive Engineer
Incedo Pvt. Ltd. Pune

Copy To,

HOD Electrical Department
Shree Santkrupa Institute of Engineering and Technology.



Reg.No.MH/4775/ (Satara) Est.: 27/06/1996

DTE Code: EN 6466
UNIVERSITY Code: 6466

SHREE SANTKRUPA SHIKSHAN SANSTHA'S
SHREE SANTKRUPA INSTITUTE OF ENGINEERING & TECHNOLOGY (B.TECH)
Approved by AICTE, New Delhi & DTE Mumbai.
Affiliated to Dr. Babasaheb Ambedkar Technological University Lonere, Dist - Raigad

PRESIDENT
HON. DR. USHA A. JOHARI

SECRETARY
HON. MR. PRASUN A. JOHARI

PRINCIPAL
DR. SWANAND B. KULKARNI

Out No/SIET/345/2021-22

Date- 10/12/2021

To,
INCEDO
Near Orchid School,Pune

Subject - About Project Sponsorship Letter.

Respected Sir/Madam,

As per above subject our students

1. Sonali Namdev Kalyankar
2. Shivani Rajendra Valiv
3. Mayuri Sambhaji Chavan
4. Mrunal Tanaji Mhaske

are studying final year B.Tech (Electrical Engg.) class. We are writing this letter to request your support and sponsorship for her academic project which is part of DBATU Syllabus. The name of project is '**Robotic Control UVC rays sanitizing**' which aims to design Automatic Sanitizer to sanitize classrooms, hospital rooms.

These students have been working diligently to create an innovative project that will help us develop new skills and knowledge. However, we require financial support to make this project a success. We believe that your company has a proven track record of supporting initiatives that align with your values and objectives, and we would be honored to receive your sponsorship for this project.

With your support, we will be able to cover the expenses for necessary equipment, materials, and other resources required for our project. Additionally, your sponsorship will help us gain recognition for our work and build our credibility in the industry. We are convinced that this initiative will be advantageous to both sides because it will give our college the chance to highlight the skills of our students and give your business the chance to assist a deserving cause and increase visibility.

We would appreciate your support and thank you for your time and consideration. We look forward to hearing from you soon.

Sincerely,

Ghogaon, Tal: Karad, Dist: Satara, Pin: 415111 (Maharashtra), Ph. (02164)257309, 257050

Website: www.sietghogaon.org

Email: ssietdegree@gmail.com



Principal

Shree Santkrupa Institute of Engg. & Tech.
Ghogaon, Tal. Karad, Dist. Satara

incedo

WHERE INNOVATION PROPELS

Sammon Magnum Opus, near Orchid School,
Baner, Pune, Maharashtra 411045
E-Mail – incedopune@incedo.in
Tel No. 020 71162234

Date: 22/6/2022

To Whomsoever It May Concern

This to certify that

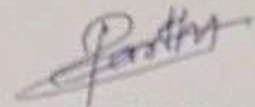
1. Sonali Namdev Kalyankar
2. Shivani Rajendra Valiv
3. Mayuri Sambhaji Chavan
4. Mrunal Tanaji Maske

Student of Shree Santkrupa Institute of Engineering & -technology (B.Tech.). She/He has successfully completed project work titled 'Robotic Control UVC rays sanitizing' at INCEDO, Near Orchid School, Pune.

Project Duration: 25 Dec 2021 to 20 June 2022

During Project work we found him to be sincere and hard working.

We wish him all the success in his future endeavours.



Partha Pritam
Senior Manager
Incedo Pvt. Ltd. Pune

A
DISSERTATION REPORT ON
"ROBOT CONTROLLED UVC SANITIZATION DEVICE"
SUBMITTED IN PARTIAL FULFILMENT
OF
THE DEGREE
OF
BACHELOR OF TECHNOLOGY
IN
ELECTRICAL ENGINEERING
SUBMITTED

BY

Mayuri Sambhaji Chavan (1964661293021)

Mrunal Tanaji Maske (1964661293025)

Sonali Namdev Kalyankar (1964661293039)

Shivani Rajendra Valiv (1964661293040)

UNDER THE GUIDANCE

OF

Mrs. Patil B. M.



DEPARTMENT OF ELECTRICAL ENGINEERING
SHREE SANTKRUPA INSTITUTE OF ENGINEERING AND
TECHNOLOGY (B-TECH) GHOGAON, KARAD

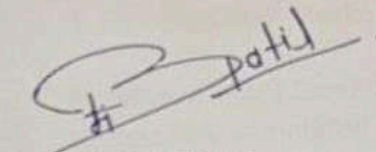
2021-2022

SHREE SANTKRUPA INSTITUTE OF ENGINEERING AND TECHNOLOGY
(B-TECH) GHOGAON, KARAD

DEPARTMENT OF ELECTRICAL ENGINEERING

CERTIFICATE


This is to certify that, Chavan Mayuri Sambhaji, Maske Mrunal Tanaji, Kalyankar Sonali Namdev, Valiv Shivani Rajendra, has satisfactorily completed the dissertation work entitled, "*ROBOT CONTROLLED UVC SANITIZATION DEVICE.*" This work is being submitted in partial fulfillment for the requirement of **Bachelor of Technology in Electrical Engineering** as per rules laid down by Shree Santkrupa Institute of Engineering and Technology (B-TECH) Ghogaon, Karad under my guidance and supervision.



Mrs. Patil. B. M

Guide

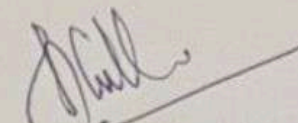
Department of Electrical Engineering
SSIET Ghogaon, Karad.



Mr. Mali. S. H

Head

Department of Electrical Engineering
SSIET Ghogaon, Karad.



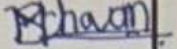
Dr. S. B. Kulkarni

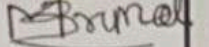
Principal

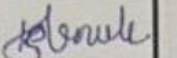
SSIET Ghogaon, Karad.

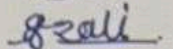
DECLARATION

I hereby declare that the dissertation entitled, "*Robot Controlled UVC Sanitization Device*" was carried out and written by us under the guidance of Mrs. Patil. B. M, Assistant Professor of Electrical Engineering, Shree Santkrupa Institute of Engineering and Technology (B-TECH) Ghogaon, Karad. This work has not been previously formed the basis for the award of any degree nor has been submitted elsewhere for the award of any degree.

Chavan Mayuri Sambhaji, 

Maske Mrunal Tanaji, 

Kalyankar Sonali Namdev, 

Valiv Shivani Rajendra 

Place: Ghogaon

Date: 9/7/2022

UTILIZATION CERTIFICATE

This is to certify that amount of Rs 10000/- of grants-in-aid sanctioned and received from INCEDO Near Orchid School,Pune for the project of **Robotic Controlled UVC rays Sanitizing Device** under the Department of Electrical Engineering [Letter No.345] dated 10/12/2021 for academic year 2022-22.

This amount has been utilized for the above said project and the details of utilization are given below-

Sr.No.	Name of component	Cost of component (in Rs.)
1	DC Motor	2000/-
2	Adriano UNO	1000/-
3	PCB &Software	1200/-
4	Battery	1000/-
5	Bluetooth module	800/-
6	Clock Circuit	1100/-
7	Relay Circuit	900/-
8	Voltage Regulator	1200/-
9	UVC Bulb	300/-
10	Other Accessories	500/-
Total Amount		10000/-

Mr. Chavan
Chavan Mayur²

Signature of student coordinator of group

[Signature]
Signature of HOD



[Signature]

Signature of Principal
Principal
Shree Santkrupa Institute of Engg. & Tech
Ghogaon, Tal Karad, Dist. Satara



J-watt electrical

Government licensed
contractors

A/p post . Peth,
Tal- Walwa. Dist-Sangli

9665550169
j.wattelectrical01@gmail.com

License no. 214320306112042022

Subject: - Funding approved for engineering research.

Date- 16/01/2022

Dear Students,

1. Bhosale Durga Pandurang.
2. Pujari Akanksha Prashan.
3. Patil Varsha Dnyandev.
4. Kadam Ahilya Anil.

Project Name: -Solar power smart agricultural monitoring system using IOT.

It is with great pleasure that we inform you that your research project proposal has been approved for funding by our company. As an engineering student, your dedication and passion for your field have truly impressed us, and we are thrilled to be able to support your research endeavours.

Your project aligns with our company's values and goals, and we believe it has the potential to make a significant impact in the industry. We are confident that your innovative ideas and hard work will yield ground-breaking results and contribute to the advancement of technology.

As per the terms of the award, we have sanctioned a sum of **8,000/-** for your project, and we are excited to see the progress you make with this support. We would like to remind you that this award reflects your talent and potential, and we encourage you to continue pursuing your passion for engineering.

Once again, congratulations on this well-deserved award, and we wish you all the best in your research endeavours.

Sincerely,

J-WATT Electrical

Golake

PROPRIETOR

Copy To,

HOD Electrical Department,

Shree Shantkrupa Institute of Engineering and Technology, Ghogaon.



Reg.No.MH/4775/(Satara) Est.: 27/06/1996

DTE Code: EN 6466
UNIVERSITY Code: 6466

SHREE SANTKRUPA SHIKSHAN SANSTHA'S
SHREE SANTKRUPA INSTITUTE OF ENGINEERING & TECHNOLOGY (B.TECH)

Approved by AICTE, New Delhi & DTE Mumbai.
Affiliated to Dr. Babasaheb Ambedkar Technological University Lonere, Dist - Raigad

PRESIDENT
HON. DR. USHA A. JOHARI

SECRETARY
HON. MR. PRASUN A. JOHARI

PRINCIPAL
DR. SWANAND B. KULKARNI

Out No/ 565/ SJGT /2022-23

Date- 4/01/2022

To,
J-watt Electricals,Peth.
Tal-Walva, Dist.-Sangli

Subject - About Project Sponsorship Letter.

Respected Sir/Madam,

As per above subject our students

1. Bhosale Durga Pandurang
2. Pujari Akanksha Prashant
3. Patil Varsha Dnyandev
4. Kadam Ahilya Anil

are studying final year B.Tech (Electrical Engg.) class. We are writing this letter to request your support and sponsorship for her academic project which is part of DBATU Syllabus. The name of project is **Solar Power Smart Agricultural Monitoring System Using IOT** which aims to design automated monitoring system help farmers and save electricity & time.

These students have been working diligently to create an innovative project that will help us develop new skills and knowledge. However, we require financial support to make this project a success. We believe that your company has a proven track record of supporting initiatives that align with your values and objectives, and we would be honored to receive your sponsorship for this project.

With your support, we will be able to cover the expenses for necessary equipment, materials, and other resources required for our project. Additionally, your sponsorship will help us gain recognition for our work and build our credibility in the industry. We are convinced that this initiative will be advantageous to both sides because it will give our college the chance to highlight the skills of our students and give your business the chance to assist a deserving cause and increase visibility.

We would appreciate your support and thank you for your time and consideration. We look forward to hearing from you soon.

Sincerely,



Principal
Shree Santkrupa Institute of Engg. & Tech
Ghogaon, Tal. Karad, Dist. Satara

Ghogaon, Tal: Karad, Dist: Satara, Pin: 415111 (Maharashtra), Ph. (02164)257309, 257050

Website: www.sietghogaon.org

Email: ssietdegree@gmail.com



J-watt electrical

Government licensed
contractors

A/p post . Peth,
Tal- Walwa, Dist-Sangli

9665550169
j.wattelectrical01@gmail.com

License no. 214320306112042022

Date: 20/6/2022

To Whomsoever It May Concern

This to certify that

1. Bhosale Durga Pandurang
2. Pujari Akanksha Prashant
3. Patil Varsha Dnyandev
4. Kadam Ahilya Anil.

Student of Shree Santkrupa Institute of Engineering & -technology (B.Tech.).
She/He has successfully completed project work titled '**Solar Power Smart
Agricultural Monitoring System Using IOT**' at J-watt Electricals,Peth.

Project Duration: 16 Jan 2022 to 20 June 2022

During Project work we found him to be sincere and hard working.

We wish him all the success in his future endeavor.

J-WATT Electrical

PROPRIETOR



A
DISSERTATION REPORT
ON
“USING ARDUINO SMART AGRICULTURE
MONITORING SYSTEM”

SUBMITTED IN PARTIAL FULFILLMENT OF
THE DEGREE OF
BACHELOR OF TECHNOLOGY

IN
ELECTRICAL ENGINEERING
SUBMITTED

BY

AHILYA ANIL KADAM (1964661293014)
DURGA RAVINDRA BHOSALE (1964661293016)
VARSHA DNYANDEV PATIL (1964661293022)
AKANKSHA PRASHANT PUJARI (1964661293028)

UNDER THE GUIDANCE
OF
PROF. DESAIS.S.



DEPARTMENT OF ELECTRICAL ENGINEERING,
SHREE SANTKRUPA INSTITUTE OF ENGINEERING AND
TECHNOLOGY (B. TECH), GHOGAON.

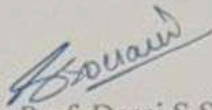
2021 - 2022

**SHREE SANTKRUPA INSTITUTE OF ENGINEERING
AND TECHNOLOGY (B. TECH), GHOGAON.**

DEPARTMENT OF ELECTRICAL ENGINEERING

CERTIFICATE

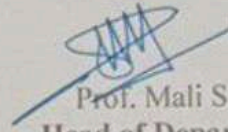
This is to certify that, Ahilya Anil Kadam, Durga Ravindra Bhosale, Varsha Dnyandev Patil, Akansha Prashant Pujari. has satisfactorily completed the dissertation work entitled, "*Using Arduino Smart Agriculture Monitoring System*". This work is being submitted in partial fulfilment forthe requirement of **Bachelor of Technology in Electrical Engineering** as per rules laid down by Shree Santkrupa Institute of Engineering and Technology, (B. Tech) Ghogaon under my guidance and supervision.



Prof. Desai S.S.

Guide

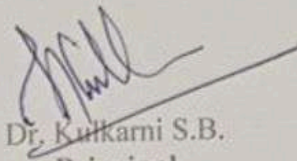
Department of Electrical Engineering
SSIET, Ghogaon



Prof. Mali S.H.

Head of Department

Department of Electrical Engineering
SSIET, Ghogaon



Dr. Kulkarni S.B.

Principal

Shree Santkrupa Institute of Engineering and Technology, (B. Tech)
Ghogaon. Tal. Karad

DECLARATION

I hereby declare that the dissertation entitled, "*Using Arduino Smart Agriculture Monitoring System*" was carried out and written by me under the guidance of Prof. Desai.S.S. Professor of Electrical Engineering, Shree Santkrupa Institute of Engineering and Technology (B. Tech), Ghogaon. This work has not been previously formed the basis for the award of any degree nor has been submitted elsewhere for the award of any degree.

Place: Ghogaon

Date: 09/07/2022

Ahilya Anil Kadam A.A Kadam
Durga Ravindra Bhosale Durga
Varsha Dnyandev Patil Patil
Akanksha Prashant Pujari Pujari

UTILIZATION CERTIFICATE


This is to certify that amount of Rs 8000/- of grants-in-aid sanctioned and received from **J-watt Electricals, Peth, Islampur** for the project of **Using Aurdino Smart Agriculture Monitoring System** under the Department of Electrical Engineering [Letter No. 565] dated 04/01/2022 for academic year 2021-22.

This amount has been utilized for the above said project and the details of utilization are given below-


Sr.No.	Name of component	Cost of component (in Rs.)
1	Solar Panel	3000/-
2	Adriano UNO	1000/-
3	Battery	1000/-
4	Water Pump	600/-
5	Soil Sensor	600/-
6	Relay	660/-
7	Wi-Fi Module	330/-
8	LDR	660/-
9	PCB Board	500/-
10	Diode	10/-
Total Amount		8000/-

A. A. Kadam.
Ahiya kadam

Signature of student coordinator of group


Signature of HOD




Signature of Principal
Principal
Shree Santkrupa Institute of Engg. & Tech
Ghogaon, Tal. Karad, Dist. Satara

Galaxy Pride

Site Add.: A/p. Mundhe, Near Karad Air Port, Opp. Bavadekar Masala, Tal, Karad, Dist. Satara.

Mob. : 9850311049 / 9503755975

Ref. No.

Date : 4 / 2 / 2022

To,
HOD Civil Department,
Shree Shantkrupa Institute of Engineering and Technology, Ghogaon.

Subject: - Funding approved for engineering research.

Dear Students,

1. Shegar-Somnath Dada
2. Desai Sweta Bhimrao
3. Mohite Pratiksha Bhagavan
4. Nalwade Priyanka Subhash
5. Bendre Mayuri Hambirrao

Project Name: **Experimentally study on waste plastic used in Paving block with replacement of fine aggregate**

It is with great pleasure that we inform you that your research project proposal has been approved for funding by our company. As an engineering student, your dedication and passion for your field have truly impressed us, and we are thrilled to be able to support your research endeavours.

Your project aligns with our company's values and goals, and we believe it has the potential to make a significant impact in the industry. We are confident that your innovative ideas and hard work will yield ground-breaking results and contribute to the advancement of technology.

As per the terms of the award, we have sanctioned a sum of **10,000** for your project, and we are excited to see the progress you make with this support. We would like to remind you that this award reflects your talent and potential, and we encourage you to continue pursuing your passion for engineering.

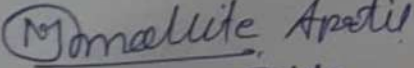
Once again, congratulations on this well-deserved award, and we wish you all the best in your research endeavours.

Sincerely,



Principal

Shree Santkrupa Institute of Engg. & Tech.
Ghogaon, Tal. Karad, Dist. Satara


Galaxy Pride



IQAC/2020/27

Shree Santkrupa Shikshan Sanstha's
Shree Santkrupa Institute of Engineering and Technology
Ghogaon (Shivajinagar), Tal-karad, Dist-Satara

Out No/SIET/565/2021-22

Date- 8/1/22

To,

Mr. M.M.Mohte & Mr.A.M.Patil,
Galaxy Pride,
Munde,
Tal-Karad, Dist.-Satara

Subject - About Project Sponsorship.

Respected Sir/Madam,

With respect to above subject,

1. Shegar Somnath Dada
2. Desai Sweta Bhimrao
3. Mohite Pratiksha Bhagavan
4. Nalwade Priyanka Subhash
5. Bendre Mayuri ambirrao

these students are studying in our institute in Final year B.Tech Civil Engineering class. We are writing this letter to request your support and sponsorship for their academic project which is part of DBATU Syllabus. The name of project is **Experimentally study on waste plastic used in Paving block with replacement of fine aggregate.**

The project team has been working diligently to create an innovative project that will help us develop new skills and knowledge. However, we require financial support to make this project a success. We believe that your company has a proven track record of supporting initiatives that align with your values and objectives, and we would be honored to receive your sponsorship for this project. With your support, we will be able to cover the expenses for necessary equipment, materials, and other resources required for our project. Additionally, your sponsorship will help us gain recognition for our work and build our credibility in the industry. We are confident that this project will be beneficial to both parties as it will provide an opportunity for our college to showcase our students' abilities while also giving your company the chance to support a worthy cause and gain visibility.

We would appreciate your support and thank you for your time and consideration. We look forward to hearing from you soon.

Sincerely,

HOD (Civil Department)

Head of Department
Civil Engineering



Principal

Shree Santkrupa Institute of Engineering & Tech.
Ghogaon, Tal. Karad, Dist. Satara

Galaxy Pride

Site Add.: A/p. Mundhe, Near Karad Air Port, Opp. Bavadekar Masala, Tal, Karad, Dist. Satara.

Mob. : 9850311049 / 9503755975

Ref. No.

Date : 9 / 7 / 2022

To Whomsoever It May Concern

This to certify that

1. Shegar Somnath Dad
2. Desai Sweta Bhimrao
3. Mohite Pratiksha Bhagavan
4. Nalwade Priyanka Subhash
5. Bendre Mayuri Hambirrao

Student of Shree Santkrupa Institute of Engineering & -technology (B.Tech.). She/He has successfully completed project work titled '**Experimentally study on waste plastic used in Paving block with replacement of fine aggregate**' in our organization.

Project Duration: 4 Month

During Project work we found him to be sincere and hard working.

We wish him all the success in his future endeavor.

Galaxy Pride

M. Melite Pratik

Shree Santkrupa shikshan sanstha's

SHREE SANTKRUPA INSTITUTE OF ENGINEERING & TECHNOLOGY



A PROJECT REPORT ON

“WASTE PLASTIC USED IN PAVING BLOCK WITH REPLACEMENT OF FINE AGGREGATE”

Submitted In Partial Fulfillment of the Degree of

BACHELOR OF TECHNOLOGY IN

CIVIL ENGINEERING

Submitted By

STUDENT NAME	ENROLLMENT NO
1] Shweta B. Desai	1964661191010
2] Somnath D. Shegar	1964661191019
3] Mayuri H. Bendre	1964661191035
4] Priyanka S. Nalwade	1964661191037
5] Pratiksha B. Mohite	1964661191039

Under The Guidance Of

Mr. Pawar S.B.

Shree Santkrupa shikshan sanstha's

SHREE SANTKRUPA INSTITUTE OF ENGINEERING & TECHNOLOGY

Ghogaon.Tal. Karad, Dist.Satara.415111

Department Of Civil Engineering

CERTIFICATE

This is to certify that,

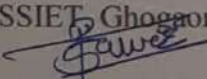
1] Shweta B. Desai	1964661191010
2] Somnath D. Shegar	1964661191019
3] Mayuri H. Bendre	1964661191035
4] Priyanka S. Nalwade	1964661191037
5] Pratiksha B. Mohite	1964661191039

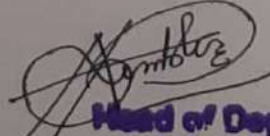
Has Successfully Completed the project work entitled,

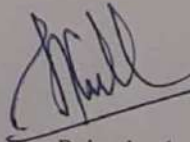
“WASTE PLASTIC USED IN PAVING BLOCK WITH REPLACEMENT OF FINE AGGREGATE”

This work is being submitted in partial fulfilment of **Degree of Bachelor of Technology (B. Tech) In Civil Engineering** as a Part of curriculum of Institute Affiliated to University **DBATU, Lonere**. Carried out by in under our supervision and guidance. The project work has been approved as it satisfies the academic requirements in respect of project work in academic year 2021-2022.

Date: 13/7/2022

Place: SSIET, Ghogaon

Project Guide
Mr. Pawar S.B.


Head of Department
Civil Engineering
Head OF Department
Civil Engineering
Mr. Kumbhar A.N

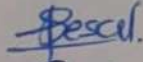
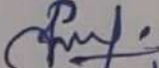
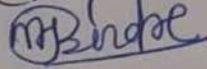
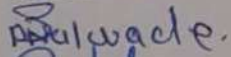
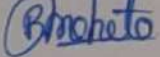

Principal
SSIET Ghogaon

ACKNOWLEDGEMENT

We have great pleasure to express our sense of gratitude to our guide **Mr. Pawar S.B.** For her valuable and encouraging guidance in all phase of project work. She has been always source of inspiration to use and we are highly thankful for her kind help.

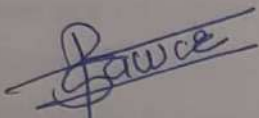
We also express our sincere thanks to **Mr.Kumbhar.A.N.(HOD)**, all teaching and non-teaching staff and friends who have helped us for completing our project work. we are also thankful to our Principal **Dr. Kulkarni S.B.** For their Encouragement and Support.

Submitted By

STUDENT NAME	ENROLLMENT NO.	SIGNATURE
1. Desai Shweta B.	1964661191010	
2. Shegar Somnath D.	1964661191019	
3. Bendre Mayuri H.	1964661191035	
4. Nalwade Priyanka S.	1964661191037	
5. Mohite pratiksha B.	1964661191039	

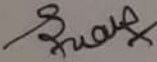
Dissertation Approval Sheet

This Group has done the appropriate work for the award of Degree of Bachelor of Technology (B. Tech) In Civil Engineering of Shree Santkrupa College of Engineering And Technology, Ghogaon.an Affiliated Instituteof DBATU, Lonere.



Guide: Mr. Pawar S.B.

External Examiner:



Place: Ghogaon

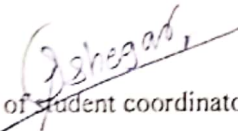
Date: 13/7/2022

UTILIZATION CERTIFICATE

This is to certify that amount of Rs 10,000/- of grants-in-aid sanctioned and received from Galaxy Pride, Mundhe, Karad for the project of "Waste plastic used in Paving block with replacement of fine aggregate" under the Department of Civil Engineering Letter No. 565 dated 8/1/2022 for academic year 2021-22.

This amount has been utilized for the above said project and the details of utilization are given below-

Sr.No.	Name of component	Cost of component (In Rs.)
1	Aggregate	1500
2	Crushed sand	2500
3	Cement	2050
4	Coloring pigments	750
5	Waste plastic collection	2000
6	Labor cost	1200
Total		10,000/-


Signature of student coordinator of group
(Mr. Somnath Dada Shegar)


Signature of HOD
Head
Dept. of Civil Engg.
S.S.I.E.T. Ghogaon




Signature of Principal
Principal
Shree Santkrupa Institute of Engg. & Tech
Ghogaon, Tal Karad, Dist Satara

2020-21

Galaxy Pride

Site Add.: A/p. Mundhe, Near Karad Air Port, Opp. Bavadekar Masala, Tal, Karad, Dist. Satara.
Mob. : 9850311049 / 9503755975

Ref. No.

Date : 3 / 1 / 2021

To,

HOD Civil Department,

Shree Shantkrupa Institute of Engineering and Technology, Ghogaon.

Subject: - Funding approved for engineering research.

Dear Students,

- 1.Shewale Snehal Ashok
- 2.Deshmukh Vishwaraj Vishwas
- 3.Sathe Gitanjali Jaykar
- 4.Mali Dilip Ashok

Project Name: - **Comparative study on engg. properties of black
cotton soil and sandy loam soil.**

It is with great pleasure that we inform you that your research project proposal has been approved for funding by our company. As an engineering student, your dedication and passion for your field have truly impressed us, and we are thrilled to be able to support your research endeavours.

Your project aligns with our company's values and goals, and we believe it has the potential to make a significant impact in the industry. We are confident that your innovative ideas and hard work will yield ground-breaking results and contribute to the advancement of technology.

As per the terms of the award, we have sanctioned a sum of 9,000 for your project, and we are excited to see the progress you make with this support. We would like to remind you that this award reflects your talent and potential, and we encourage you to continue pursuing your passion for engineering.

Once again, congratulations on this well-deserved award, and we wish you all the best in your research endeavours.

Sincerely,

Galaxy Pride

Amolika Arati



IQAC/2020/27

Shree Santkrupa Shikshan Sanstha's
Shree Santkrupa Institute of Engineering and Technology
Ghogaon (Shivajinagar), Tal-karad, Dist-Satara

Out No/SIET/423/2019-20

Date- 4/12/2020

To,

Mr. M.M.Mohte & Mr.A.M.Patil,
Galaxy Pride,
Munde,
Tal-Karad, Dist.-Satara

Subject - About Project Sponsorship.

Respected Sir/Madam,

With respect to above subject,

- 1.Shewale Snehal Ashok
- 2.Deshmukh Vishwaraj Vishwas
- 3.Sathe Gitanjali Jaykar
- 4.Mali Dilip Ashok

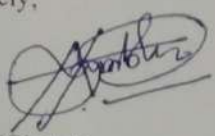
these students are studying in our institute in Final year B.Tech Civil Engineering class.

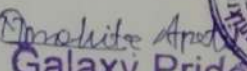
We are writing this letter to request your support and sponsorship for their academic project which is part of DBATU Syllabus. The name of project is **Comparative study on engg.properties of black cotton soil and sandy loam**.

The project team has been working diligently to create an innovative project that will help us develop new skills and knowledge. However, we require financial support to make this project a success. We believe that your company has a proven track record of supporting initiatives that align with your values and objectives, and we would be honored to receive your sponsorship for this project. With your support, we will be able to cover the expenses for necessary equipment, materials, and other resources required for our project. Additionally, your sponsorship will help us gain recognition for our work and build our credibility in the industry. We are confident that this project will be beneficial to both parties as it will provide an opportunity for our college to showcase our students' abilities while also giving your company the chance to support a worthy cause and gain visibility.

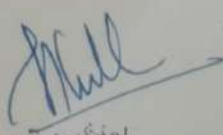
We would appreciate your support and thank you for your time and consideration. We look forward to hearing from you soon.

Sincerely,


HOD (Civil Department)
Head of Department
Civil Engineering


Galaxy Pride




Principal
Shree Santkrupa Institute of Engg. & Tech.
Ghogaon, Tal. Karad, Dist. Satara

Galaxy Pride

Site Add.: A/p. Mundhe, Near Karad Air Port, Opp. Bavadekar Masala, Tal, Karad, Dist. Satara.

Mob. : 9850311049 / 9503755975

Ref. No.

Date : 2 / 6 / 2021

To Whomsoever It May Concern

This to certify that

1. Shewale Snehal Ashok
2. Deshmukh Vishwaraj Vishwas
3. Sathe Gitanjali Jaykar
4. Mali Dilip Ashok

Student of Shree Santkrupa Institute of Engineering & -technology (B.Tech.).
She/He has successfully completed project work titled '**Comparative study on engg. properties of black cotton soil and sandy loam soil**' in our Organization .

Project Duration: 4 Month

During Project work we found him to be sincere and hard working.

We wish him all the success in his future endeavor.

Galaxy Pride

M. Malite Arati

A

DISSERTATION REPORT

ON

“COMPARATIVE STUDY ON ENGG. PROPERTIES OF BLACK COTTON AND SANDY LOAM SOIL”

SUBMITTED IN THE PARTIAL FULFILLMENT OF THE DEGREE OF

BACHELOR OF TECHNOLOGY

IN

CIVIL ENGINEERING

SUBMITTED

BY

DILIP ASHOK MALI

(51646620181119110029)

GITANJALI JAYKAR SATHE

(51646620181119110038)

SNEHAL ASHOK SHEWALE

(51646620181119110051)

VISHWARAJ VISHWAS DESHMUKH

(51646620181119110049)

UNDER THE GUIDANCE

OF

MR.KOLEKAR A.N.



DEPARTMENT OF CIVIL ENGINEERING,
SHREE SANTKRUPA INSTITUTE OF ENGINEERING AND TECHNOLOGY.(B.TECH)

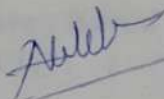
2020-2021

**SHREE SANTKRUPA INSTITUTE OF ENGINEERING AND
TECHNOLOGY (B.TECH) GHOGAON**

DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

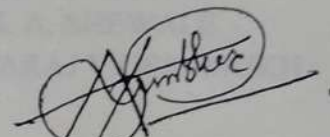
This is to certify that the work which is being presented in the B. Tech minor project entitled "Comparative study on engg. properties of black cotton and sandy loam soil" has been submitted to the shree santkrupa institute of engineering and technology, ghogaon fulfilment of the requirement for the award of degree of Bachelor of technology in Civil Engineering.



Mr. Kolekar A.N.

Guide

Civil Engineering Department



Mr Kumbhar A.N.

**Head of Department
Civil Engineering
Head**

Civil Engineering Department

Mr. Kulkarni S.B.



Principal

Shree Santkrupa Institute of Engg. & Tech

Shree Santkrupa Institute of Engineering
and Technology (B.tech) Ghogaon



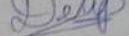
DECLARATION

Dissertation Approval Sheet

I hereby declare that the dissertation entitled “**Comparative study on engg. properties of black cotton and sandy loam soil**” was carried out under the guidance of **Mr. Kolekar A.N. Sir**, Associate Professor of Civil Engineering, Shree Santkrupa Institute Of Engineering And Technology, Ghogaon. This work has not been previously formed the basis for the award of any degree nor has been submitted elsewhere for the award of any degree.

Place : Karad

DATE : 8/6/2021

DILIP A. MALI 
GITANJALI J. SATHE
SNEHAL A. SHEWALE
VISHWARAJ V.DESHMUKH

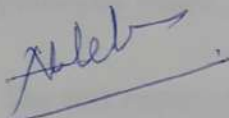
EXTERNAL EXAMINER :

Place: Karad

Date: 8/6/2021

Dissertation Approval Sheet

Dilip A. Mali , Gitanjali J. Sathe, Snehal A. shewale , Vishwaraj V. Deshmukh , has done the appropriate work for the award of Bachelor Of Technology in Civil Engineering Of Shree Santkrupa Institute Of Engineering And Technology, Ghogaon.



GUIDE : MR. KOLEKAR A.N.

EXTERNAL EXAMINER :

Place: Karad

Date: 8 / 6 / 2021

UTILIZATION CERTIFICATE


This is to certify that amount of Rs 9,000/- of grants-in-aid sanctioned and received from **Galaxy Pride, Mundhe, Karad** for the project of “**Comparative study on Engineering Properties of black cotton soil and sandy loam soil**” under the Department of Civil Engineering Letter No. 423 dated 4/12/2020 for academic year 2020-21.

This amount has been utilized for the above said project and the details of utilization are given below-

Sr.No.	Name of component	Cost of component (In Rs.)
1	Sample collection (Black cotton & sandy soil)	1500
2	Laboratory Test sample (3 test) per sample	5500
3	Labor cost	2000
Total		9,000/-


Signature of student coordinator of group

(Mr. Vishwaraj Vishwas Deshmukh)


Signature of HOD

Head
Dept. of Civil Engg.
S.S.I.E.T. Ghogaon




Signature of **Principal**
Shree Santkrupa Institute of Engg. & Tech
Ghogaon, Tal Karad, Dist. Satara

At Post - Kese Padali, Karad Patan Road, Near Pratham Dudh Shoppy
Tal. Karad Dist. Satara.
Mob.No. 9970994236

DATE : 11 / 02 / 2021

To,
HOD Civil Department,
Shree Shantkrupa Institute of Engineering and Technology, Ghogaon.

Subject: - Funding approved for engineering research.

Dear Students,

- 1.Inamdar Saif Israr
- 2.Afase Sourabh Sunil
- 3.Karale Akash Ashok
- 4.Shinde Vaibhavi Dilip
- 5.Kadam Sanket Dipak

Project Name: - **Natural aggregate replaced by recycled aggregate'**

It is with great pleasure that we inform you that your research project proposal has been approved for funding by our company. As an engineering student, your dedication and passion for your field have truly impressed us, and we are thrilled to be able to support your research endeavours.

Your project aligns with our company's values and goals, and we believe it has the potential to make a significant impact in the industry. We are confident that your innovative ideas and hard work will yield ground-breaking results and contribute to the advancement of technology.

As per the terms of the award, we have sanctioned a sum of **10,000** for your project, and we are excited to see the progress you make with this support. We would like to remind you that this award reflects your talent and potential, and we encourage you to continue pursuing your passion for engineering.

Once again, congratulations on this well-deserved award, and we wish you all the best in your research endeavours.

Sincerely,

M. Chavan
11/2/21

2023/05/19 14:50



IQAC/2020/27

Shree Santkrupa Shikshan Sanstha's
Shree Santkrupa Institute of Engineering and Technology
Ghogaon (Shivajinagar), Tal-karad, Dist-Satara

Date- 5/1/2021

To,

Mr.M.A.Chavan,
Sairaj Construction,
Padli-kese,
Tal-Karad, Dist.-Satara

Subject - About Project Sponsorship.

Respected Sir/Madam,

With respect to above subject,

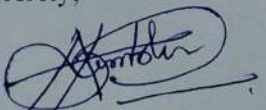
- 1.Inamdar Saif Israr
- 2.Alase Sourabh Sunil
- 3.Karale Akash Ashok
- 4.Shinde Vaibhavi Dilip
- 5.Kadam Sanket Dipak

these students are studying in our institute in Final year B.Tech Civil Engineering class. We are writing this letter to request your support and sponsorship for their academic project which is part of DBATU Syllabus. The name of project is **Natural aggregate replaced by recycled aggregate**.

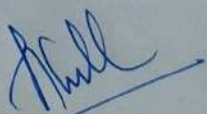
The project team has been working diligently to create an innovative project that will help us develop new skills and knowledge. However, we require financial support to make this project a success. We believe that your company has a proven track record of supporting initiatives that align with your values and objectives, and we would be honored to receive your sponsorship for this project. With your support, we will be able to cover the expenses for necessary equipment, materials, and other resources required for our project. Additionally, your sponsorship will help us gain recognition for our work and build our credibility in the industry. We are confident that this project will be beneficial to both parties as it will provide an opportunity for our college to showcase our students' abilities while also giving your company the chance to support a worthy cause and gain visibility.

We would appreciate your support and thank you for your time and consideration. We look forward to hearing from you soon.

Sincerely,


Head of Department
HOD (Civil Department)
Civil Engineering




Principal
Shree Santkrupa Institute of Engg. & Tech.
Ghogaon, Tal. Karad, Dist. Satara

2023/05/19 14:49

A
PROJECT REPORT
ON

**“EXPERIMENTAL INVESTIGATION OF NATURAL AGGREGATE
REPLACED BY RECYCLED AGGREGATE”**

SUBMITTED BY

MR. SHINDE VAIBHAVI DILIP
MR. KADAM SANKET DIPAK
MR. KARALE AKASH ASHOK
MR. ALASE SOURABH SUNIL
MR. INAMDAR SAIF ISRAR

UNDER THE GUIDANCE OF

Mr. KUMBHAR. A. N

B.E. (Civil)
HEAD OF DEPT.

**DEPARTMENT OF CIVIL ENGINEERING,
SHREE SANTKRUPA INSTITUTE OF
ENGINEERING AND TECHNOLOGY,
GHOGHAON**



2023/05/19 14:51

CERTIFICATE

This is to certify that,

MS. SHINDE VAIBHAVI DILIP

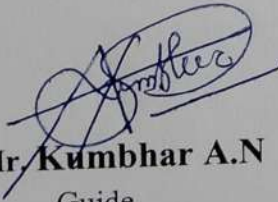
MR. KADAM SANKET DIPAK

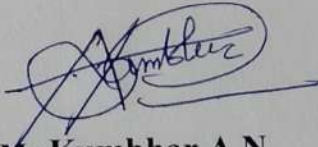
MR. KARALE AKASH ASHOK

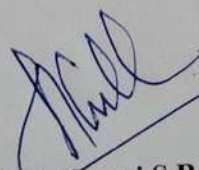
MR. ALASE SOURABH SUNIL

MR. INAMDAR SAIF ISRAR

Has satisfactorily completed the Project work entitled "**Experimental study of natural aggregate by recycle aggregate**". This work is being submitted in partial fulfillment for the requirement of B.Tech in Civil Engineering from BATU university under my guidance and supervision during the academic year 2020-2021.


Mr. Kumbhar A.N
Guide


Mr. Kumbhar A.N
HOD
Head of Department
Civil Engineering


Prof. Kulkarni S.B
Principal
Shree Santkrupa Institute of Engg. & Tech.
Ghogaon, Tal. Karad, Dist. Satara

DECLARATION

I hereby declare that the dissertation entitled, “**Experimental study of natural aggregate by recycle aggregate**” was carried out and written by me under the guidance of Mr. Kumbhar A.N Head of Department of Civil Engineering, Shree Santkrupa Institute Of Engineering And Technology. This work has not been previously formed the basis for the award of any degree nor has been submitted elsewhere for the award of any degree.

Place : Ghogaon

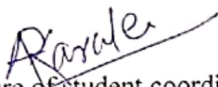
Date : 8 / 6 / 2021

UTILIZATION CERTIFICATE


This is to certify that amount of Rs 10,000/- of grants-in-aid sanctioned and received from Sairaj Construction, Karad for the project of "Experimental Investigation of Natural aggregate replaced by recycled aggregate" under the Department of Civil Engineering Letter No. 424 dated 4/12/2020 for academic year 2020-21.

This amount has been utilized for the above said project and the details of utilization are given below-

Sr.No.	Name of component	Cost of component (In Rs.)
1	Aggregate	1500
2	Recycling process	2500
3	Crushed sand	2500
4	Cement	1000
5	Labor Cost	2500
Total		10,000/-


Signature of student coordinator of group

(Mr. Karale Akash Dipak)


Signature of HOD

Head
Dept. of Civil Engg.
S.S.I.E.T. Ghogaon




Signature of Principal
Shree Santkrupa Institute of Engg. & Tech
Ghogaon, Tal. Karad, Dist. Satara

MANGALMURTI ENTERPRISES

GH NO. 150, 171/9, DEVKAR COLONY, KARAD DHEBEWADI ROAD, KARAD, Satara,

Mob. : 09822426003 E-mail : autesunil@gmail.com

To Whomsoever It May Concern

This is to certify that **Mr.Chavan Tejas Pappu, Mr.Dale Abhijeet Ananda ,Mr.Pawar vaibhav Atmram, Mr.Chaugule Suraj Babaso** students of **Shree santkrupa institute of engineering and technology(B.TECH)** .He has successfully completed project work titled **“Design and Development of low cost 3D Printer”** at Magalmurti Enterpries.

Project Duration:- 1st August 2020-31st March 2021,Project cost-
10,000/-

During Project work we found him to be sincere and hardworking.

We wish him all the success in their future endeavor.

For *Mangalmurti Enterprises*


Proprietor



Reg.No.MH/4775/ (Satara) Est.: 27/06/1996

DTE Code: EN 6466
UNIVERSITY Code: 6466

SHREE SANTKRUPA SHIKSHAN SANSTHA'S
SHREE SANTKRUPA INSTITUTE OF ENGINEERING & TECHNOLOGY (B.TECH)
Approved by AICTE, New Delhi & DTE Mumbai.
Affiliated to Dr. Babasaheb Ambedkar Technological University Lonere, Dist - Raigad

PRESIDENT
HON. DR. USHA A. JOHARI

SECRETARY
HON. MR. PRASUN A. JOHARI

PRINCIPAL
DR. SWANAND B. KULKARNI

जा.क्र. | SJET / 845 / 2020-21 .

Date- 25/03/2020

To,
The owner,
Magalmurthi Enterprises.
Devkar vasti,
Karad-Dhebewadi Road,
Agashivngar, Karad
Tal-Karad , Dist.-Satara, 415539

Subject - About Project Sponsorship Letter.

Respected Sir/Madam,

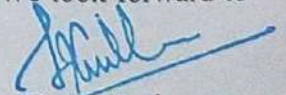
Mr.Chavan Tejas Pappu , Mr.Dale Abhijeet Ananda, Mr.Pawar vaibhav Atmaram, Mr.Chaugule suraj Babaso these students are studying in our institute in final year B.Tech (Mechanical Engg.) class. We are writing this letter to request your support and sponsorship for their academic project which is part of DBATU Syllabus. The name of project is **'Design And Development Of Low Cost 3D Printer'** which aim create a 3D printer that can produce high-quality prints while minimizing the overall cost. The resulting printer can be used for a wide range of applications, including product development, prototyping, and educational purposes.

The project team has been working diligently to create an innovative project that will help us develop new skills and knowledge. However, we require financial support to make this project a success. We believe that your company has a proven track record of supporting initiatives that align with your values and objectives, and we would be honored to receive your sponsorship for this project. With your support, we will be able to cover the expenses for necessary equipment, materials, and other resources required for our project. Additionally, your sponsorship will help us gain recognition for our work and build our credibility in the industry. We are confident that this project will be beneficial to both parties as it will provide an opportunity for our college to showcase our students' abilities while also giving your company the chance to support a worthy cause and gain visibility.

We would appreciate your support and Thank you for your time and consideration. We look forward to hearing from you soon.

Sincerely,




Principal

Shree Santkrupa Institute of Engg. & Tech
Ghogaon, Tal Karad, Dist. Satara

Ghogaon, Tal: Karad, Dist: Satara, Pin: 415111 (Maharashtra), Ph. (02164)257309, 257050

Website: www.sietghogaon.org

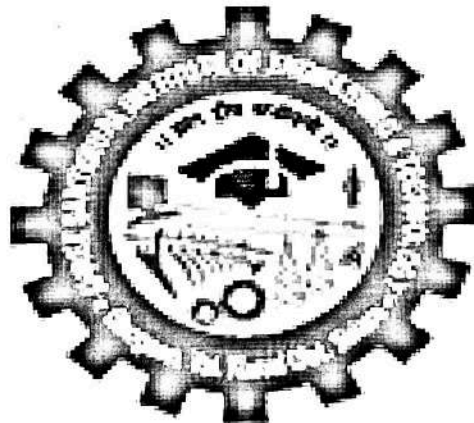
Email: ssietdegree@gmail.com

A
PROJECT REPORT
ON
“Development Of Low Cost 3D Printing”

SUBMITTED IN PARTIAL FULFILLMENT OF
THE DEGREE OF
BACHOLAR OF TECHNOLOGY IN
MECHANICAL ENGINEERING
OF
**DR.BABASAHEB AMBEDKAR TECHNOLOGICAL
UNIVERSITY,LONERE.**

SUBMITTED BY
MR. CHAVAN TEJAS PAPPU(411)

UNDER THE GUIDANCE OF
MR GAIKWAD S.S.



**DEPARTMENT OF MECHANICAL ENGINEERING
SHREE SANTKRUPA INSTITUTE OF ENGINEERING AND
TECHNOLOGY,**

Ghogaon, Tal-karad Dist- satara 415111
2020-21

SHREE SANTKRUPA INSTITUTE OF ENGINEERING AND
TECHNOLOGY,

Ghogaon, Tal-karad Dist-satara 415111

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the project entitled "Development Of Low Cost 3D Printing" has been submitted to the Department of Mechanical Engineering, Shree Santkrupa Institute of Engineering and technology (Dr. Babasaheb Ambedkar Technological University, Lonere) for the fulfillment of the requirement for the award of the degree of Bachelor of Technology in Mechanical Engineering by following students of final year B-Tech (Mechanical Engineering).

Student Name (with roll no.)

CHAVAN TEJAS PAPPU [411]

MR. GAIKWAD S.S.
(Project Guide)

For,

Mr. BHOSALE B. Y.
(Head Of Department of Mech.Engg)



Dr. KULKARNI S.B.
Principal
Principal
Shree Santkrupa Institute of Engg. & Tech
Ghogaon, Tal Karad, Dist Satara

DECLARATION

We the undersigned, declare that the project entitled "Development Of Low Cost 3D Printing", being submitted in partial fulfillment for the award of Bachelor In Mechanical Engineering, affiliated to Dr. Babasaheb Ambedkar Technological University, Lonere, is the work carried out by us.

Date: Ghogaon

Place:

Roll No.	Name of Student	Sign
411	Mr. Chavan tejas pappu	<u>Chavan T.P.</u>

UTILIZATION CERTIFICATE

This is to certify that amount of Rs 10000/- of grants-in-aid sanctioned and received from Trimurti Enterprises, Agashivnagar, Karad for the project of **Design and development of low cost 3D printer** under the Department of Mechanical Engineering [Letter No. 845] dated 25/3/2020 for academic year 2020-21.

This amount has been utilized for the above said project and the details of utilization are given below-

Sr.No.	Name of component	Cost of component (in Rs.)
1	Frame	2000/-
2	4 Stepper motor	2000/-
3	Driver A 4988	5000/-
4	Extruder	1000/-

Total Amount - 10000/-

Chavan T.P

(Mr Chavan Tejus)

Signature of student coordinator of group

Signature of HOD
Head

Dept. of Mechanical Engg.
S.S.I.E.T. Ghogaon

Signature of Principal
Principal

Shree Santkrupa Institute of Engg. & Tech
Ghogaon, Tal Karad, Dist. Satara





J-watt electrical

Government licensed
contractors

A/p post . Peth,
Tal- Walwa. Dist-Sangli

9665550169
j.wattelectrical01@gmail.com

License no. 214320306112042022

Date- 28/01/2023

Subject: - Funding approved for engineering research.

Dear Students,

1. Salunkhe Ankit Balasaheb.
2. Pawar Pranav Suhas.
3. Kulkarni Vinayak Sunil.
4. Chavan Sumit Bajirao.

Project Name: - Agricultural diet testing kit and irrigation system.

It is with great pleasure that we inform you that your research project proposal has been approved for funding by our company. As an engineering student, your dedication and passion for your field have truly impressed us, and we are thrilled to be able to support your research endeavours.

Your project aligns with our company's values and goals, and we believe it has the potential to make a significant impact in the industry. We are confident that your innovative ideas and hard work will yield ground-breaking results and contribute to the advancement of technology.

As per the terms of the award, we have sanctioned a sum of 10,000/- for your project, and we are excited to see the progress you make with this support. We would like to remind you that this award reflects your talent and potential, and we encourage you to continue pursuing your passion for engineering.

Once again, congratulations on this well-deserved award, and we wish you all the best in your research endeavours.

Sincerely,

J-WATT Electrical

PROPRIETOR

Copy To,
HOD Electrical Department,
Shree Shantkrupa Institute of Engineering and Technology, Ghogaon.



Reg.No.MH/4775/(Satara) Est.: 27/06/1996

DTE Code: EN 6466
UNIVERSITY Code: 6466

SHREE SANTKRUPA SHIKSHAN SANSTHA'S
SHREE SANTKRUPA INSTITUTE OF ENGINEERING & TECHNOLOGY (B.TECH)
Approved by AICTE, New Delhi & DTE Mumbai.
Affiliated to Dr. Babasaheb Ambedkar Technological University Lonere, Dist - Raigad

PRESIDENT
HON. DR. USHA A. JOHARI

SECRETARY
HON. MR. PRASUN A. JOHARI

PRINCIPAL
DR. SWANAND B. KULKARNI

Out No/SIET/442/2021-22

Date- 16/01/2021

To,
J-watt Electricals,Peth.
Tal-Walva, Dist.-Sangli

Subject - About Project Sponsorship Letter.

Respected Sir/Madam,

As per above subject our students

1. Salunkhe Ankit Balasaheb
2. Pawar Pranav Suhas
3. Kulkarni Vinayak Suhas
4. Chavan Sumit Bajirao

are studying final year B.Tech (Electrical Engg.) class. We are writing this letter to request your support and sponsorship for her academic project which is part of DBATU Syllabus. The name of project is **Agriculture diet testing kit and irrigation system** which aims to design agriculture diet testing kit and automatic irrigation system to help farmers.

These students have been working diligently to create an innovative project that will help us develop new skills and knowledge. However, we require financial support to make this project a success. We believe that your company has a proven track record of supporting initiatives that align with your values and objectives, and we would be honored to receive your sponsorship for this project.

With your support, we will be able to cover the expenses for necessary equipment, materials, and other resources required for our project. Additionally, your sponsorship will help us gain recognition for our work and build our credibility in the industry. We are convinced that this initiative will be advantageous to both sides because it will give our college the chance to highlight the skills of our students and give your business the chance to assist a deserving cause and increase visibility.

We would appreciate your support and thank you for your time and consideration. We look forward to hearing from you soon.

Sincerely,



Principal

Shree Santkrupa Institute of Engg & Tech
Ghogaon, Tal. Karad, Dist. Satara

Ghogaon, Tal: Karad, Dist: Satara, Pin: 415111 (Maharashtra), Ph. (02164)257309, 257050

Website: www.sietghogaon.org

Email: ssietdegree@gmail.com



J-watt electrical

Government licensed
contractors

License no. 214320306112042022

A/p post. Peth,
Tal- Walwa. Dist-Sangli

9665550169
j.wattelectrical01@gmail.com

Date: 20/6/2022

To Whomsoever It May Concern

This to certify that

1. Salunkhe Ankit Balasaheb
2. Pawar Pranav Suhas
3. Kulkarni Vinayak Suhas
4. Chavan Sumit Bajirao

Student of Shree Santkrupa Institute of Engineering & -technology (B.Tech.).
She/He has successfully completed project work titled '**Agriculture diet testing kit and irrigation system**' at J-watt Electricals, Peth.

Project Duration: 29 Jan 2021 to 20 June 2021

During Project work we found him to be sincere and hard working.

We wish him all the success in his future endeavor.

J-WATT Electrical


PROPRIETOR

A
DISSERTATION REPORT
ON
**“AGRICULTURE DIET TESTING
KIT”**

SUBMITTED IN PARTIAL FULFILLMENT OF
THE DEGREE OF
BACHELOR OF TECHNOLOGY
IN
ELECTRICAL ENGINEERING

SUBMITTED

BY

MR. VINAYAK SUNIL KULKARNI (51646620181129310085)
MR. SOURABH ARUN SALUNKHE (51646620181129310039)
MR. PRANAV SUHAS PAWAR (51646620181129310074)
MR. ANKIT BALASAHEB SALUNKHE (51646620181129310067)
MR. SUMIT BAJIRAO CHAVAN (51646620181129310034)

UNDER THE GUIDANCE
OF

PROF. S.H MALI

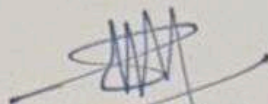


DEPARTMENT OF ELECTRICAL ENGINEERING,
**SHREE SANTKRUPA INSTITUTE OF ENGINEERING AND
TECHNOLOGY, KARAD**

**SHREE SANTKRUPA INSTITUTE OF ENGINEERING
AND TECHNOLOGY, KARAD
DEPARTMENT OF ELECTRICAL ENGINEERING**

CERTIFICATE

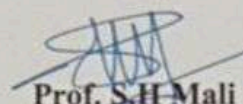
This is to certify that, **Pranav Suhas Pawar** has satisfactorily completed the dissertation work entitled, "*Agriculture Diet Testing Kit*". This work is being submitted in partial fulfilment for the requirement of Bachelor Of Technology as per rules laid down by Shree Santkrupa Institute Of Engineering And Technology, karad under my guidance and supervision.



Prof. S.H Mali

Guide

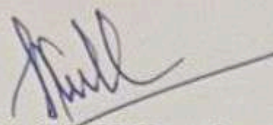
Department of Electrical Engineering



Prof. S.H Mali

Head

Department of Electrical Engineering



Dr. S.B Kulkarni

Principal

DECLARATION

I hereby declare that the dissertation entitled, " *Agriculture Diet Testing Kit*" was carried out and written by me under the guidance of **Prof S.H Mali**, Associate Professor of Electrical Engineering, Shree Santkrupa Institute Of Engineering And Technology, Karad. This work has not been previously formed the basis for the award of any degree nor has been submitted elsewhere for the award of any degree.

Name of Students

PRN No.

Signatures

Mr. Vinayak Sunil Kulkarni

(51646620181129310085)

V Kulkarni

Mr. Sourabh Arun Salunkhe

(51646620181129310039)

Salunkhe

Mr. Pranav Suhas Pawar

(51646620181129310074)

Pawar

Mr. Ankit Balasaheb Salunkhe

(51646620181129310067)

Salunkhe

Mr. Sumit Bajirao Chavan

(51646620181129310034)

Place: Ghogaon

Date: 25/6/2021

UTILIZATION CERTIFICATE

This is to certify that amount of Rs 10000/- of grants-in-aid sanctioned and received from **J-watt Electricals, Peth, Islampur** for the project of **Agriculture diet testing kit and irrigation system** under the Department of Electrical Engineering [Letter No. 422] dated 16/1/2021 for academic year 2020-21.

This amount has been utilized for the above said project and the details of utilization are given below-

Sr.No.	Name of component	Cost of component (in10000/- Rs.)
1	Microcontroller	1400/-
2	Soil Testing Sensor	1600/-
3	Battery	1000/-
4	LCD	3000/-
5	Software	1000/-
6	Relay	500/-
7	IC LM325	370/-
8	PCB Board	490/-
9	Soldering Iron	300/-
10	Other Accessories	340/-
Total Amount		10000/-

Sumit B. Chavan

Sumit B. Chavan

Signature of student coordinator of group

[Signature]

Signature of HOD



[Signature]

Signature of Principal
Principal

Shree Santkrupa Institute of Engg. & Tech
Ghogaon, Tal Karad, Dist Satara