



SREE SAKTHI ENGINEERING COLLEGE

TNEA Admission Code **2673**

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COIMBATORE- 641104. INDIA | Web : www.sreesakthi.edu.in

Affiliated to Anna University & Approved by AICTE, Accredited by NAAC

1.3.3

NUMBER OF STUDENTS UNDERTAKING PROJECT WORK/FIELD WORK/ INTERNSHIPS

CERTIFICATE of INTERNSHIP



We present this certificate to



P. KANIPRIYA

in appreciation for your successful work as an intern at

Image processing

The internship was conducted between ..15-07-2022 and 1-08-22.....



[Signature]
Managing Director

[Signature]
PRINCIPAL

Dr R. PRABHU
PRINCIPAL,
SAKTHI ENGINEERING COL
COIMBATORE-641 104

CERTIFICATE of INTERNSHIP



We present this certificate to



UAM NO: TN27A0026082

..... MOHAN. K

in appreciation for your successful work as an intern at

..... Image processing

The internship was conducted between ..15-07-2022 and... 01-08-2022



A. Rajkumar
Managing Director



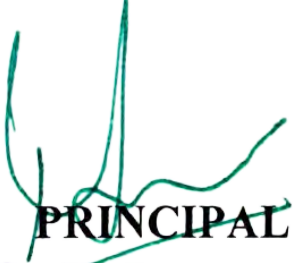
SREE SAKTHI ENGINEERING COLLEGE, KARAAMADAI, COIMBATORE
DEPARTMENT OF CIVIL ENGINEERING
ACADEMIC YEAR 2021-2022

IV YEAR CIVIL

PROJECT DETAILS

BATCH :2018-2022

S.NO	BATCH	REGISTER NUMBER	NAME	DOMAIN	PROJECT TITLE	GUIDE NAME
1	BATCH 1	713618103001	K AJITHKUMAR	MATERIALS STUDY	EXPERIMENTAL INVESTIGATION ON COMPARATIVE STUDY OF REPLACEMENT OF FINE AGGREGATE WITH GRAINED PAPER AND REPLACEMENT OF CEMENT WITH PAPER ASH IN CONCRETE	Ms M DEEPIKA
2		713618103006	PARIMALESHWARAN G			
3		713618103008	SARAN M			
4		713618103302	MARGARET SONA M			
5	BATCH 2	713618103002	ARAVIND M A	MATERIALS STRENGTH	EXPERIMENTAL INVESTIGATION ON STRENGTH PROPERTIES OF CONCRETE BY PARTIAL REPLACEMENT OF CEMENT USING COCONUT ENDOCARP ASH	Mr D SANTHOSH KUMAR
6		713618103003	ARIVAZHAGAN S			
7		713618103301	ANJU R			
8		713618103303	VENKATESH R			
7	BATCH 3	713618103004	KARTHICK PRABHU S	MATERIALS STRENGTH	EXPERIMENTAL INVESTIGATION ON PARTIAL REPLACEMENT OF AGGREGATES IN GEO POLYMER CONCRETE	Mr D SANTHOSH KUMAR
8		713618103005	NANDHINI S			
9		713618103009	SATHISHKUMAR S			
10		713618103010	VAISHNAVI S			


PRINCIPAL
Dr R. PRABHU
PRINCIPAL,
SAKTHI ENGINEERING COL
COIMBATORE-641 104

ANNA UNIVERSITY: CHENNAI - 600025

BONAFIDE CERTIFICATE

Certified that this project report "DESIGN AND FABRICATION OF EYE BLINK SENSOR BRAKING SYSTEM" is the bonafide work of MARIYA ANTHONY DIBOSAN A (713618114020) , PRAVEEN T (713618114027), SUNDAR P (713618114040) and M UDHAYAKUMAR (713618114044) who carried out the project work under my supervision.


SIGNATURE

HEAD OF DEPARTMENT

Mr. S.KAMBAN., B.E, M.E, MBA,
Department of Mechanical Engineering,
Sree Sakthi Engineering College
Coimbatore - 641104.


SIGNATURE

PROJECT GUIDE

Mr. S.KAMBAN., B.E, M.E, MBA,
Department of Mechanical Engineering,
Sree Sakthi Engineering College,
Coimbatore - 641104.

These candidates with university Register Number – 713618114020, 713618114027, 713618114040, and 713618114044 were examined by us in the project viva voce examination held on 22.06.2022.


INTERNALEXAMINER


EXTERNALEXAMINER

ACKNOWLEDGEMENT

A part the efforts from our self, the success of any project depends largely on the encouragement and guidelines of many others. We take this opportunity to express our gratitude to the people who have been instrumental in the successful completion of this project.

We wish to express our sincere thanks to **Shri N.DHARMALINGAM** Chairman, and **Dr.S.KARTHIKEYAN** Correspondent, Sree Sakthi Engineering College Coimbatore, for stimulating guidance and encouragement during the project.

We wish to express our grateful thanks to **Dr.R.PRABU B.E.,M.E.,Ph.D.,PGD PM&IR.,MISTE.,C.Eng.,FIE.,** Principal, Sree Sakthi Engineering College Coimbatore, for his patronage and encouragement during the course of our project.

We extend our special thanks to **Dr.N.PRASANNAN B.E., M.E., MBA.,MISTE., (Ph.D).,** Chief Executive Officer for providing facilities to complete the project successfully.

We wish to express our grateful thanks to **Mr.S.KAMBAN M.E.,MBA.,** Head of the Department of Mechanical Engineering, whose valuable suggestions helped us to carry out this project.

We express our hearty thanks to our project coordinator **Mr.P.VARATHARAJ M.E.,(Ph.D).,** for his valuable guidance and timely suggestion in bringing out this project.

We express our hearty thanks and sincere acknowledgement to our project guide **Mr.S.KAMBAN M.E.,MBA.,** for his concern about the project and timely help to direct us for every move in this project.

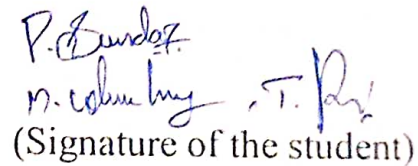
Finally, thanks to friends and family members for their moral motivation in completing our project.

DECLARATION

I affirm that the project work titled on "DESIGN AND FABRICATION OF EYE BLINK SENSOR BRAKING SYSTEM" being submitted is partial fulfillment for the award of 'BACHELOR OF ENGINEERING' is the original carried out by me. It has not formed the part of any other project work submitted for award of degree either in this or any other university.

Resister Number: 713618114020, 713618114027, 713618114040, 713618114044

Name of the student: MARIYA ANTHONY JIBOSAN.A, PRAVEEN.T, SUNDAR.P.
UDHAYAKUMAR.M


(Signature of the student)

I certify that the declaration made above by the candidates is true



Signature of the guide

Mr.S.KAMBAN M.E.,MBA.,

Assistant Professor

(with name & designation)



SMART TRAFFIC SIGNAL CONTROL SYSTEM



A PROJECT REPORT

Submitted by

SURJITH B	-	713618114701
VALLARSU R	-	713618114045
VIJAYRAJ S	-	713618114048
KAMALESWARAN C	-	713618114015

In partial fulfillment for the award of the degree

OF

BACHELOR OF ENGINEERING

IN

MECHANICAL ENGINEERING

SREE SAKTHI ENGINEERING COLLEGE

KARAMADAI, COIMBATORE – 641104

ANNA UNIVERSITY, CHENNAI - 600 025

JUNE 2022

ANNA UNIVERSITY: CHENNAI - 600 025

BONAFIDE CERTIFICATE


Certified that this project report "SMART TRAFFIC SIGNAL CONTROL SYSTEM" is the bonafide work of SURJITH B, VALLARSU R, VIJAYRAJ S and KAMALESWARAN C who carried out the project work under my supervision.



SIGNATURE

HEAD OF DEPARTMENT

Mr. S.KAMBAN., B.E. M.E. MBA,
Department of Mechanical Engineering,
Sree Sakthi Engineering College,
Coimbatore- 641104.



SIGNATURE

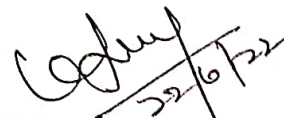
PROJECT GUIDE

Mr. K.SARAVAN. B.E., M.E.,(Ph.D)
Assistant Professor,
Department of Mechanical Engineering,
Sree Sakthi Engineering College,
Coimbatore- 641104.

These candidates with university Register Number – 713618114701, 713618114045, 713618114048, and 713618114015 were examined by us in the project viva voice examination held on 22-06-2022



INTERNAL EXAMINER



EXTERNAL EXAMINER

ACKNOWLEDGEMENT

A part the efforts from our self, the success of any project depends largely on the encouragement and guidelines of many others. We take this opportunity to express our gratitude to the people who have been instrumental in the successful completion of this project.

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We express our hearty thanks and sincere acknowledgement to our project guide **Mr. K.SARAVANAN .M.E., (Ph.D).,** for his concern about the project and timely help to direct us for every move in this project.

Finally, thanks to friends and family members for their moral motivation in completing our project.

DECLARATION

I affirm that the project work titled on "SMART TRAFFIC SIGNAL CONTROL SYSTEM" being submitted is partial fulfillment for the award of 'BACHELOR OF ENGINEERING' is the original carried out by me. It has not formed the part of any other project work submitted for award of degree either in this or any other university.

Register Number: 713618114015, 713618114045, 713618114048, 713618114049

Name of the student: C. KAMALESWARAN, R. VALLARU, S. VIJAYARAJ,
B. SURJITH.



(Signature of the student)

certify that the declaration made above by the candidates is true



Signature of the guide

Mr. K.SARAVANAN AP/MECH

(With name & designation)

SREE SAKTHI ENGINEERING COLLEGE

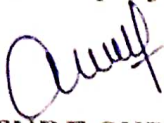
Karamadai, Coimbatore - 641 104

BONAFIDE CERTIFICATE

Certified that this project report "CROP HEALTH MONITORING EM" is the Bonafide work of the following students.


AKASH P	713618114002
PANDIAN N	713618114026
SAM SURIYA K	713618114034
SRIRAM G	713618114038

carried out the project work under my supervision.



SIGNATURE SUPERVISOR

R.SHIVASANKAR. AP/MECH.,
Department of Mechanical Engineering,
Sree Sakthi Engineering College,
Coimbatore-641 104



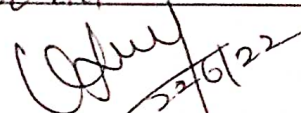
SIGNATURE HEAD OF DEPARTMENT

Mr. S.KAMBAN M.E.,M.B.A.,(MIST),
Department of Mechanical Engineering,
Sree Sakthi Engineering College,
Coimbatore-641 104

The candidates with university Register Number- 713618114002, 713618114026, 713618114034 and 713618114038 were examined by us in project viva-voce examination held on 22.06.22.



INTERNAL EXAMINER



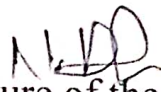
EXTERNAL EXAMINER

DECLARATION

I affirm that the project work titled on "CROP HEALTH MONITORING SYSTEM" being submitted is partial fulfillment for award of BACHELOR OF ENGINEERING is the original carried out by me. It has not formed the part of any other project work submitted for award of degree either in this or any other university.

Register Number: 71361211A002, 71361211A026, 71361211A034, 71361211A038

Name of the student: P. Akash, N. Darshan, K. Samsudhya, U. Sriram.


(Signature of the student)

I certify that the declaration made above by the candidates is true



Signature of the guide
Mr.R.SHIVASANKAR. AP/MECH
(With name & designation)

ACKNOWLEDGEMENT

On successful completion for our project we look back to thank who made it possible. First and foremost, we thank "THE ALMIGHTY" for his blessing on us without which we could have not successfully completed our project.

We extend our deep sense of valuation **Shri.N.DHARMALINGAM** chairman and **Dr.S.KARTHIKEYAN Ph.D.** Correspondent Sree Sakthi Engineering College, who has permitted to undergo our project.

We extend our deep sense of valuation **Dr.R.PRABHU Ph.D.**, principal in Sree Sakthi Engineering College, who has permitted us to undergo our project.

We extend special thanks to our 'CEO' **Dr.N.Prasannan, M.E., M.B.A.,(Ph.D)** for providing facilities to complete the project successfully.

We unequally thank **Mr. S.KAMBAN M.E.,M.B.A.,(MIST)**, Head of the Department in Mechanical Engineering for the construction suggestions, advice and supervising as internal guide to our project.

We convey our special thanks, to our Guide **Mr.R.SHIVASANKAR M.E.**

Who offered their inestimable support, guidance, valuable suggestion, motivations, and helps in the completion of the project.

We dedicated our sincere respect to our parents for their moral motivation in completing our project.

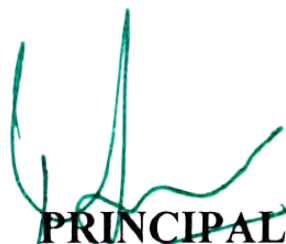
Any more acknowledgements which we may have forgotten to mention here may kindly forgive.


Er.B.DHARMARAJU
Regd. Architect (C.A.No.27429/2001)
Approved Valuer (A-1639)
Mob: 91 9443311063

26, Simrath Villa,
Bedford, Coonoor,
The Nilgiris.

CERTIFICATE

This is to certify that **Mr. PARIMALESHWARAN G, B.E- CIVIL ENGINEERING** (Register No: 713618103006) of **SREE SAKTHI ENGINEERING COLLEGE, COIMBATORE** has undergone training in our concern, from **26.06.2021 to 30.06.2021**. During this training period, he learnt the construction and planning aspects of residential building with reference to National building code and Building Bye-laws. And also worked with CAD and BIM softwares. His performance and commitment towards the work were found to be good.


PRINCIPAL
Dr R. PRABHU
PRINCIPAL,
SAKTHI ENGINEERING COL
COIMBATORE-641 104



B. DHARMARAJU
Regd. Architect (C.A. No: 27429/2001)
Approved Valuer (A 1639)
26 Simrath Villa, Bedford,
Coonoor - 643 101, The Nilgiris, T.N.
Mobile: 9443311063


Er.B.DHARMARAJU
Regd. Architect (C.A.No.27429/2001)
Approved Valuer (A-1639)
Mob: 91 9443311063

26, Simrath Villa,
Bedford, Coonoor,
The Nilgiris.

CERTIFICATE

This is to certify that **Mr. KARTHICKPRABHU S, B.E- CIVIL ENGINEERING**
(Register No: 713618103004) of **SREE SAKTHI ENGINEERING COLLEGE,**
COIMBATORE has undergone training in our concern, from **26.06.2021 to 30.06.2021.**
During this training period, he learnt the construction and planning aspects of residential
building with reference to National building code and Building Bye-laws. And also worked
with CAD and BIM softwares. His performance and commitment towards the work were
found to be good.


PRINCIPAL
Dr R. PRABHU
PRINCIPAL,
SAKTHI ENGINEERING COL
COIMBATORE-641 104



B. DHARMARAJU
Regd. Architect (C.A. No: 27429/2001)
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Approved Valuer (A-1639)
Mob: 91 9443311063

26, Simrath Villa,
Bedford, Coonoor,
The Nilgiris.

CERTIFICATE

This is to certify that **Mr. ARAVIND M A, B.E- CIVIL ENGINEERING**
(Register No: 713618103002) of **SREE SAKTHI ENGINEERING COLLEGE,**
COIMBATORE has undergone training in our concern, from **26.06.2021 to 30.06.2021**
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building with reference to National building code and Building Bye-laws. And also worked
with CAD and BIM softwares. His performance and commitment towards the work were
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PRINCIPAL
Dr. R. PRABHU
PRINCIPAL,
SAKTHI ENGINEERING COL
COIMBATORE-641 104


B. DHARMARAJU
Regd. Architect (C.A. No. 27429/2001)
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Coonoor - 643 101, The Nilgiris, T.N.
Mobile: 9443311063

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "AUTONOMOUS ROBOT FOR DELIVERING THE MEDICINE IN HOSPITAL BY USING RASPBERRY PI" is the bonafide work of DHEENA.R, NANDHINI.S, PRAVEEN.S and SRINIJA.J who carried out the project work under my supervision.



SIGNATURE

Mr.MAIDEEN ABDHULKADAR

JEYLANI.M.E.,(Ph.D),

HEAD OF THE DEPARTMENT

Associate Professor,
Department of Electronics and
Communication Engineering,
Sree Sakthi Engineering
College, Karamadai,
Coimbatore 641 104.



SIGNATURE

Mr.P.RANGASAMY.M.E.,(Ph.D),

SUPERVISOR

Associate Professor,
Department of Electronics and
Communication Engineering,
Sree Sakthi Engineering
College, Karamadai,
Coimbatore 641 104.

Submitted for the university examination held on 21.06.22..



INTERNAL EXAMINER




EXTERNAL EXAMINER

ANNA UNIVERSITY:: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "IOT BASED COAL MINERS SAFETY JACKET USING ESP32" is the bonafide work of MAREES KUMAR.J, PAVIPRIYA.G, PREETHILS and SRIPATHY.S who carried out the project work under my supervision.



SIGNATURE

Mr.A.MAIDEEN ABDHULKADER
JEYLANI.,M.E.,(Ph.D),

HEAD OF THE DEPARTMENT

Assistant Professor,

Department of Electronics and
Communication Engineering,
Sree Sakthi Engineering College,
Karamadai,
Coimbatore 641 104.



SIGNATURE

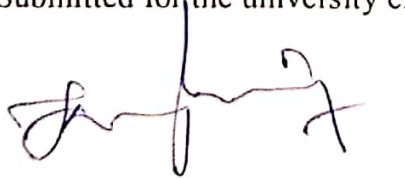
Mrs.S.SASIKALA.,M.E.,(Ph.D),

SUPERVISOR

Assistant Professor,

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Communication Engineering,
Sree Sakthi Engineering college,
Karamadai,
Coimbatore 641 104.

Submitted for the university examination held on 21/06/22.



INTERNAL EXAMINER



EXTERNAL EXAMINER