



ST. ANNE'S COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi. Affiliated to Anna University, Chennai)

ANGUCHETTYPALAYAM, PANRUTI – 607 106.

ACADEMIC YEAR

2021 - 2022

**PROBLEM SOLVING
METHODOLOGIES**



ST. ANNE'S COLLEGE OF ENGINEERING AND TECHNOLOGY

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ANGUCHETTYPALAYAM, PANRUTI – 607 106.

PROBLEM SOLVING METHODOLOGIES

ACADEMIC YEAR 2021 - 2022

INDEX

S.NO.	CONTENT	PAGE NO
1.	MAIN PROJECT	3
2.	MINI PROJECT	65
3.	IDEA CONTEST	108
4.	PREPLACE INTERNSHIP	113



ST.ANNE'S COLLEGE OF ENGINEERING AND TECHNOLOGY

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ANGUCHETYPALAYAM, PANRUTI – 607 106.

MAIN PROJECT



ST. ANNE'S

COLLEGE OF ENGINEERING AND TECHNOLOGY

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(An ISO 9001: 2015 Certified Institution)

ANGUCHETTYPALAYAM, PANRUTI – 607 106.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

PROJECT BATCH LIST

PERIOD: MAR 2022 – JUN 2022

BATCH: 2018-2022

YEAR/ SEMESTER: IV / VIII

S. NO	REGISTER NO.	NAME	TITLE OF THE PROJECT	NAME OF THE GUIDE
1	422118104008	KARTHICK K	ARTIFICIAL INTELLIGENCE BASED VIRTUAL CAHARACTER USING FLUTTER	MRS.D. PAULINE FREEDA, HOD/CSE
	422118104021	SURIYA PRAKASH S		
	422118104019	SHANGESH E		
2	422118104004	CHANDRU S	COLLEGE MANAGEMENT USING FLUTTER	MR.S. RAJARAJAN, AP/CSE
	422118104009	KAVIYARASU S		
	422118104302	SIVAPRAGASAM B		
3	422118104010	LABILAN M	SMART RATION CARD SYSTEM USING FACE RECOGNITION	MR.P. SARAVANA BHAVA, AP/CSE
	422118104015	RANJITHKUMAR R		
	422118104301	RAVINDIRAN G		
4	422118104003	BACKIYA PRIYA A	HEART ATTACK PREDICTION FOR STROKE PATIENTS	MR.S. MANAVALAN, AP/CSE
	422118104005	EZAKIA SELVAM A		
	422118104007	KAMATCHI R		
5	422118104014	RAMYA D	DETECTION OF LUNG CANCER USING COMPUTER VISION	SR. PUNITHA JILT, AP/CSE
	422118104011	PAVITHRA B		
	422118104023	VIJAYALAKSHMI R		
6	422118104018	SENTHAMIZHSELVI P	ONLINE PRODUCT PRICE AND COMPARISON USING WEBMINING AND MACHINE LEARNING	MS.V. BRITTA DEVI, AP/CSE
	422118104016	SANDHIYA R		
	422118104001	ANNAI THERASAMMAL A		
7	422118104020	SUBASRI N	CC-CNN BASED HARDWARE STATE ENABLED USING HAND GESTURE	MRS.E. INDHUMA, AP/CSE
	422118104006	JAYAVEENA M		
	422118104012	PAVITHRA M		
8	422118104024	VIMALA ROSHINI. R	CYBERBULLYING DETECTION ON SOCILAL NETWORK USING CNN	MRS.P. SUJITHRA SANTHA KUMARI, AP/CSE
	422118104002	ARCHANA A		

PREPARED BY

FILE NO.: SACET/ECE/FIL/011-02

VERIFIED BY

REV.NO.: 00

APPROVED BY

EFFECTIVE DATE: 06. 10. 2017

**VOICE CONTROLLED VIRTUAL ASSISTANT IN
ANDROID**

A PROJECT REPORT

Submitted by

K. KARTHICK	422118104008
E. SHANGESH	422118104019
S. SURIYA PRAKASH	422118104021

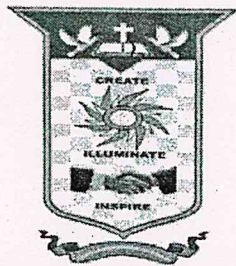
in partial fulfillment for the award of the degree

of

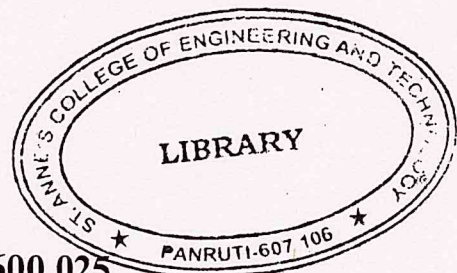
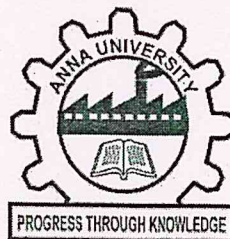
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in

COMPUTER SCIENCE AND ENGINEERING



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ANNA UNIVERSITY: CHENNAI 600 025

JUNE 2022



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BONAFIDE CERTIFICATE

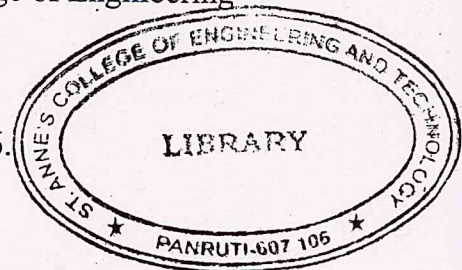
Certified that this project report “VOICE CONTROLLED VIRTUAL ASSISTANT IN ANDROID “is the bonafide work of “KARTHICK. K (422118104008), SHANGESH. E (422118104019), SURIYA PRAKASH. S (422118104021)” who carried out the project work under my supervision.

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Submitted for Project Viva- Voce Examination held on 22.06.2022

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INTERNAL EXAMINER

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EXTERNAL EXAMINER

**COLLEGE MANAGEMENT APPLICATION
SYSTEM USING FLUTTER**

A PROJECT REPORT

Submitted by

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B. SIVAPRAGASAM	422118104302

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of

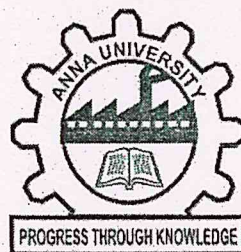
BACHELOR OF ENGINEERING

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EXTERNAL EXAMINER

**SMART RATION SYSTEM USING
FACE RECOGNITION**

A PROJECT REPORT

Submitted by

R.RANJITHKUMAR 422118104015
M.LABILAN 422118104010
G.RAVINDIRAN 422118104301

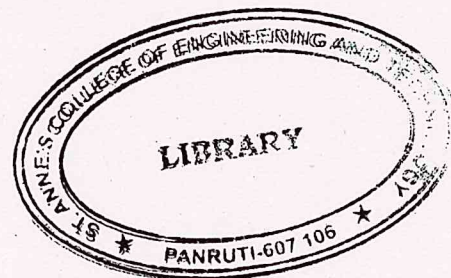
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of

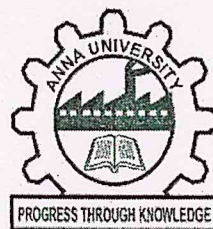
BACHELOR OF ENGINEERING

in

COMPUTER SCIENCE AND ENGINEERING



**ST. ANNE'S COLLEGE OF ENGINEERING AND
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ANNA UNIVERSITY: CHENNAI 600 025

JUNE 2022



ANNA UNIVERSITY: CHENNAI 600 025
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EXTERNAL EXAMINER

CSE
Master's
2022

9712121212

HEART ATTACK PREDICTION FOR STROKE PATIENTS USING MACHINE LEARNING

A PROJECT REPORT

Submitted by

A.BACKIYA PRIYA	422118104003
A.EZAKIA SELVAM	422118104005
R.KAMATCHI	422118104007

in partial fulfilment for the award of the degree

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JUNE 2022

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Certified that this project report “HEART ATTACK PREDICTION FOR STROKE PATIENT USING MACHINE LEARNING” is the bonafide work of A.BACKIYA PRIYA(422118104003),A.EZAKIA SELVAM(422118104005), R.KAMATCHI(422118104007) who carried out the project work under my supervision.


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Submitted for the Project Viva-Voce examination held on 22/06/22


INTERNAL EXAMINER


EXTERNAL EXAMINER



**DETECTION OF LUNG CANCER USING
COMPUTER VISION AND DEEP LEARNING**

A PROJECT REPORT

Submitted by

PAVITHRA.B 422118104011

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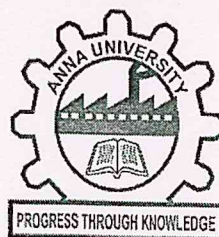
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COMPUTER SCIENCE AND ENGINEERING



**ST. ANNE'S COLLEGE OF ENGINEERING AND
TECHNOLOGY**



ANNA UNIVERSITY :: CHENNAI 600 025

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Certified that this report titled "DETECTION OF LUNGS CANCER USING COMPUTER VISION AND DEEP LEARNING" is the Bonafide work of PAVITHRA.B (422118104011), RAMYA.D (422118104014) and VIJAYALAKSHMI.R (422118104023) who carried out the project work under my supervision.


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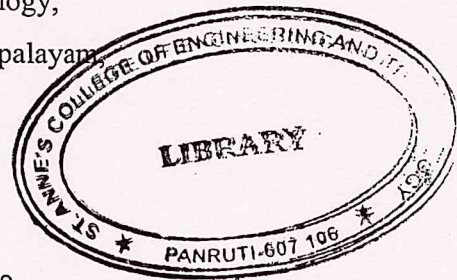
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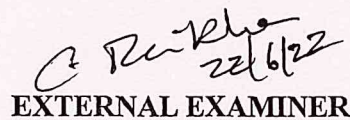
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22/6/22

INTERNAL EXAMINER


22/6/22

EXTERNAL EXAMINER

**ONLINE PRODUCT PRICE AND COMPARISON
USING WEB MINNING AND MACHINE LEARNING**

A PROJECT REPORT

Submitted by

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ST. ANNE'S COLLEGE OF ENGINEERING AND TECHNOLOGY



ANNA UNIVERSITY: CHENNAI 600 025

JUNE 2022



ANNA UNIVERSITY: CHENNAI 600 025



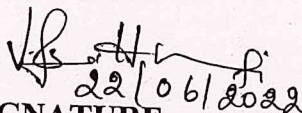
BONAFIDE CERTIFICATE

Certified that this project report "ONLINE PRODUCT PRICE AND COMPARISON USING WEB MINNING AND MACHINE LEARNING" is the bonafide work of "A. ANNAI THERASAMMAL (422118104001), R. SANDHIYA (422118104016), P. SENTHAMIZHSELVI (422118104018)" who carried out the project work under my supervision.


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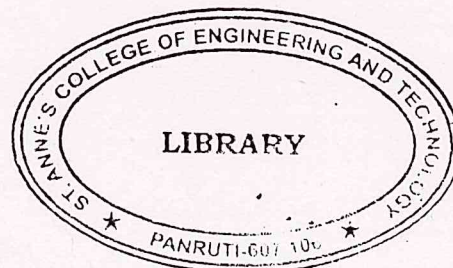
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Submitted for Project Viva- Voce Examination held on 22/06/2022


INTERNAL EXAMINER


EXTERNAL EXAMINER



**DL - CNN BASED HARDWARE STATE ENABLED
USING HAND GESTURE**

A PROJECT REPORT

Submitted by

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In partial fulfilment for the award of the degree

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BACHELOR OF ENGINEERING

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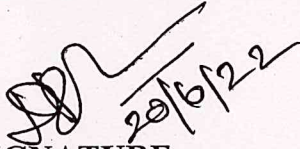


ANNA UNIVERSITY-CHENNAI 600 025

JUNE 2022

BONAFIDE CERTIFICATE

Certified that this project report "DL - CNN BASED HARDWARE STATE ENABLED USING HAND GESTURE" is the bonafide work of N. SUBASRI (422118104020), M.JAYAVEENA (422118104006), M.PAVITHRA (422118104012) who carried out the project work under my supervision.



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Mrs. D. PAULINE FREEDA, M.E.,

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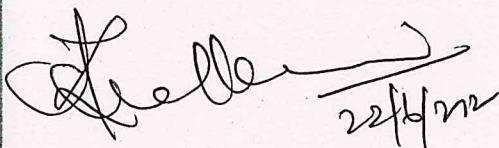
Department of Computer Science and

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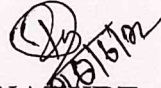
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INTERNAL EXAMINER



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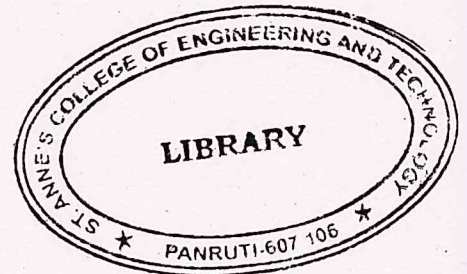
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EXTERNAL EXAMINER

**CYBERBULLYING DETECTION ON
SOCIAL NETWORKS USING NEURAL NETWORK**

A PROJECT REPORT

Submitted by

A.ARCHANA

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R.VIMALA ROSHINI

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in partial fulfillment for the award of the degree

of

BACHELOR OF ENGINEERING

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ST.ANNE'S COLLEGE OF ENGINEERING AND TECHNOLOGY



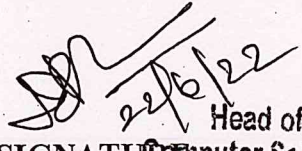
ANNA UNIVERSITY::CHENNAI 600 025

JUNE 2022


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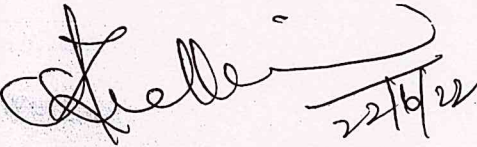

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Head of the Department,
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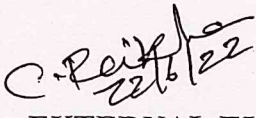
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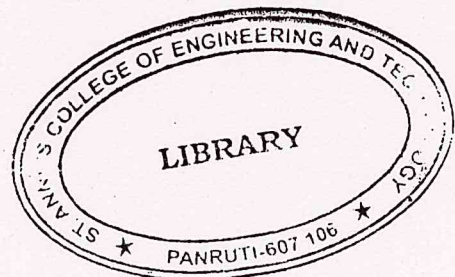

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Submitted for the Project Viva-Voce examination held on 22/06/2022


INTERNAL EXAMINER


EXTERNAL EXAMINER





ST. ANNE'S

COLLEGE OF ENGINEERING AND TECHNOLOGY
ANGUCHETTYPLAYAM, PANRUTI – 607 110.

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING PROJECT BATCH LIST

2018-2022 BATCH

Sl.No	Register no	Name of the student	Name of the guide	Title of the Project	Related to Curriculum /Subject
1	422118105001	Aarthi Roja J	Mr. A. Richard Pravin	Optimal placement and sizing of distributed generator based on elephant hearing algorithm	POWER SYSTEM
	422118105007	Easwari M			
	422118105020	Sivapriya S			
2	422118105016	Nivetha M	SR. ANNAI THERESA	A novel 129 level asymmetrical cascaded multilevel inverter	POWER ELECTRONICS
	422118105021	Srilekha K			
	422118105023	Vivethitha P			
3	422118105006	Boobathi C	MR. J. RAMESH	Monitoring the microgrid using IOT	RENEWABLE ENERGY
	422118105018	Rasu R			
	422118105013	Mohanraj K			
4	422118105004	Anbumani B	MR. K. SRIRAM	Cost saving on microgrid operations using grey wolf optimization algorithms	POWER SYSTEM
	422118105008	Kalaipriyan S			
	422118105015	Naveen Kumar C			
5	422118105005	Bhuvaneshwaran K	MR. V. BALAJI	A novel circuit battery charging and motor control of electrical vehicle	POWER ELECTRONICS
	422118105014	MuraliKrishnan M			
	422118105304	Vijay V			
6	422118105009	Kannan S	MS. M. PREMALATHA	Power loss reduction and voltage profile improvement using optimal placement of facts devices	POWER SYSTEM
	422118105019	SampathKumar G			
	422118105022	Surendhar K			
7	422118105017	Pieorex A			

422118105301	Arokiya Raj	Ms. J. ARUL MARTINAL	Wireless power transfer in EV by using solar energy	RENEWABLE ENERGY
422118105302	Kavinilavan I			
422118105305	Vijayakumar D			

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**OPTIMAL PLACEMENT AND SIZING OF
DISTRIBUTED GENERATOR BASED ON ELEPHANT
HEARDING ALGORITHM**

A PROJECT REPORT

Submitted by

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SIVA PRIYA. S

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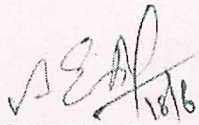
ANNA UNIVERSITY :: CHENNAI 600 025

JUNE 2022

ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "OPTIMAL PLACEMENT AND SIZING OF DISTRIBUTED GENERATOR BASED ON ELEPHANT HEARDING ALGORITHM" is the bonafide work of "J. AARTHI ROJA, M. ESWARI, S. SIVA PRIYA" who carried out the project work under my supervision.



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V.C. Eugin Martin Raj

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Panruti.



SIGNATURE

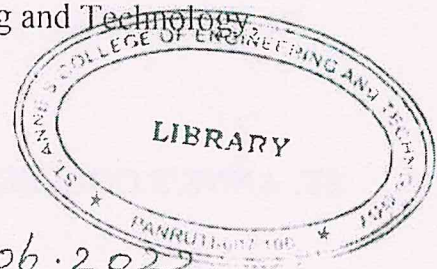
A. Richard Pravin

SUPERVISOR

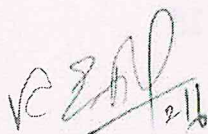
Assistant Professor

Department of Electrical and
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St. Anne's College of
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Panruti.



Submitted for the university examination held on 21.06.2022



INTERNAL EXAMINER



EXTERNAL EXAMINER

**A 129-LEVEL ASYMMETRICAL CASCADED H-
BRIDGE MULTILEVEL INVERTER WITH
REDUCED SWITCHES AND LOW THD**

A PROJECT REPORT

Submitted by

M. NIVETHA	422118105016
K. SRILEKHA	422118105021
P. VIVETHITHA	422118105023

In partial fulfilment for the award of the degree

of

BACHELOR OF ENGINEERING

IN

ELECTRICAL AND ELECTRONICS ENGINEERING

ST. ANNE'S COLLEGE OF ENGINEERING AND TECHNOLOGY

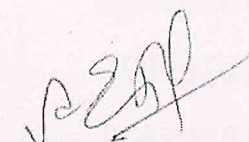
ANNA UNIVERSITY :: CHENNAI 600025

JUNE 2022

ANNA UNIVERSITY: CHENNAI 600025

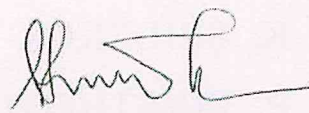
BONAFIDE CERTIFICATE

Certified that this project report "A NOVEL 129 LEVEL ASYMMETRICAL PHASE SHIFTED PWM TECHNIQUE MULTILEVEL INVERTER" is the bonafide work of "M. NIVETHA, K. SRILEKHA, P. VIVETHITHA" who carried out the project work under my supervision.



SIGNATURE

Mr. VC. Eugin Martin Raj, M.E.,
Head of the department
Department of Electrical and
Electronics Engineering
St. Anne's college of
Engineering and Technology
Panruti - 607106



SIGNATURE

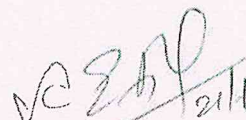
Sr. Annai Theresa, M. Tech.,
Supervisor
Assistant Professor
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Panruti - 607106



Submitted for the university examination held on 21-06-2022



EXTERNAL EXAMINAR



INTERNAL EXAMINAR

MONITORING THE MICROGRID USING IOT

A PROJECT REPORT

Submitted by

BOOBATHI.C

422118105006

MOHANRAJ.K

422118105013

RASU.R

422118105018

in partial fulfillment for the award of the degree

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BACHELOR OF ENGINEERING

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ELECTRICAL AND ELECTRONICS ENGINEERING

ST. ANNE'S COLLEGE OF ENGINEERING AND TECHNOLOGY

ANNA UNIVERSITY: CHENNAI 600 025

JUNE 2022

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "MONITORING THE MICROGRID USING IOT " is the bonafide work of "C.BOOBATHI, K.MOHANRAJ, R.RASU" who carried out the project work under my supervision.


SIGNATURE

V.C. Eugin Martin Raj

HEAD OF THE DEPARTMENT

Assistant Professor

Department of Electrical and
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Engineering and Technology,
Panruti.


SIGNATURE

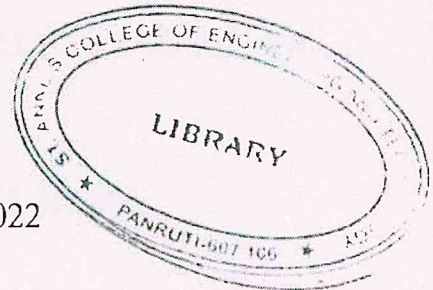
J.Ramesh

SUPERVISOR

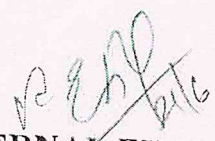
Assistant Professor

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Panruti.



Submitted for the university examination held on 21.06.2022


INTERNAL EXAMINER


EXTERNAL EXAMINER

GREY WOLF OPTIMIZATION ALGORITHM BASED
ECONOMIC OPERATION OF MICROGRID

A PROJECT REPORT

Submitted by

ANBUMANI.B	422118105004
KALAIPRIYAN.S	422118105008
NAVEENKUMAR.C	422118105015

in partial fulfillment for the award of the degree

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BACHELOR OF ENGINEERING

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ELECTRICAL AND ELECTRONICS ENGINEERING

ST. ANNE'S COLLEGE OF ENGINEERING AND TECHNOLOGY

ANNA UNIVERSITY:: CHENNAI 600 025

JUNE 2022

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "COST SAVINGS ON MICRO GRID OPERATIONS USING GREY WOLF OPTIMIZATION ALGORITHM" is the bonafide work of "ANBUMANI.B, KALAIPRIYAN.S, NAVEENKUMAR.C" who carried out the project work under my supervision.



SIGNATURE

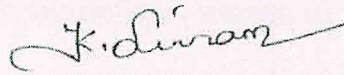
V.C. Eugin Martin Raj

HEAD OF THE DEPARTMENT

Assistant Professor

Department of Electrical and
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St. Anne's College of
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Panruti.



SIGNATURE

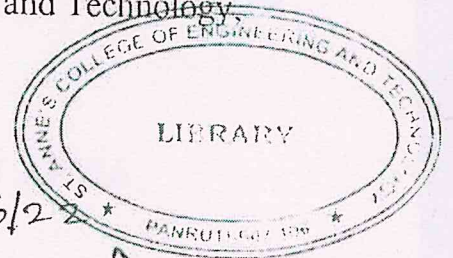
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Assistant Professor

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Engineering and Technology,
Panruti.



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



INTERNAL EXAMINER



EXTERNAL EXAMINER

**A NOVEL CIRCUIT FOR BATTERY
CHARGING AND MOTOR CONTROL OF
ELECTRIC VEHICLE**

A PROJECT REPORT

Submitted by

BHUVANESHWARAN. K	422118105005
MURALIKRISHNAN. M	422118105014
VIJAY. V	422118105304

In partial fulfilment for the award of the degree

Of

BACHELOR OF ENGINEERING

In

ELECTRICAL AND ELECTRONICS ENGINEERING

ST. ANNE'S COLLEGE OF ENGINEERING AND TECHNOLOGY

ANNA UNIVERSITY: CHENNAI 600 025

APRIL 2022

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "A NOVEL CIRCUIT FOR BATTERY CHARGING AND MOTOR CONTROL OF ELECTRIC VEHICLE" is the bonafide work of "K. BHUVANESHWARAN, M. MURALIKRISHNAN, V. VIJAY" who carried out the project work under my supervision.



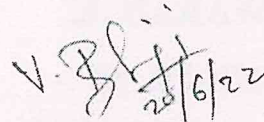
SIGNATURE

V.C. Eugin Martin Raj

HEAD OF THE DEPARTMENT

Department of Electrical and Electronics Engineering,

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SIGNATURE

V. Balaji

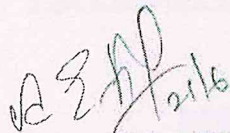
SUPERVISOR

Assistant Professor

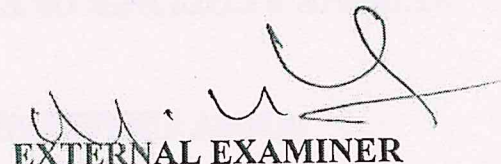
Department of Electrical and Electronics Engineering,

St. Anne's College of Engineering and Technology, Panruti.

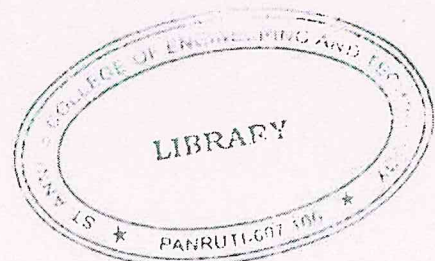
Submitted for the university examination held on 21/06/2022



INTERNAL EXAMINER



EXTERNAL EXAMINER



**POWER LOSS REDUCTION AND VOLTAGE
PROFILE IMPROVEMENT USING OPTIMAL
PLACEMENT OF FACTS DEVICES**

A PROJECT REPORT

Submitted by

KANNAN. S

422118105009

SAMPATHKUMAR. G

422118105019

SURENDHAR. K

422118105022

in partial fulfillment for the award of the degree

of

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ELECTRICAL AND ELECTRONICS ENGINEERING

ST. ANNE'S COLLEGE OF ENGINEERING AND TECHNOLOGY

ANNA UNIVERSITY :: CHENNAI 600 025

JUNE 2022

ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "POWER LOSS REDUCTION AND VOLTAGE PROFILE IMPROVEMENT USING OPTIMAL PLACEMENT OF FACTS DEVICES" is the bonafide work of "S. KANNAN, G. SAMPATHKUMAR, K. SURENDHAR" who carried out the project work under my supervision.




SIGNATURE

V.C. Eugin Martin Raj

HEAD OF THE DEPARTMENT

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SIGNATURE

M. Premalatha

SUPERVISOR

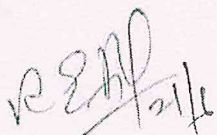
Assistant Professor

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St. Anne's College of Engineering and Technology, Panruti.



Submitted for the university examination held on 21.06.2022



INTERNAL EXAMINER



EXTERNAL EXAMINER

**Wireless Power Transfer in Electrical Vehicle
by Using Solar Energy**

A PROJECT REPORT

Submitted by

PIOREX.A

422118105017

AROCKIARAJ.A

422118105301

KAVINILAVAN.I

422118105302

VIJAYKUMAR.D

422118105305

*in partial fulfillment for the award of the degree
of*

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In**

ELECTRICAL AND ELECTRONICS ENGINEERING

ST. ANNE'S COLLEGE OF ENGINEERING AND TECHNOLOGY

ANNA UNIVERSITY :: CHENNAI 600 025

APRIL 2021

June 2021

ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

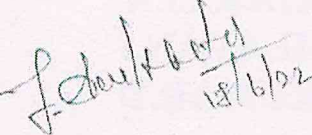
Certified that this project report “Wireless Power Transfer in Electrical Vehicle by Using Solar Energy” is the bonafide work of “A.PIEOREX, A.AROCKIARAJ, I.KAVINILAVAN, D.VIJAYKUMAR” who carried out the project work under my supervision.


SIGNATURE

V.C. Eugin Martin Raj

HEAD OF THE DEPARTMENT

Department of Electrical and
Electronics Engineering,
St. Anne's College of
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Technology,
Panruti.


SIGNATURE

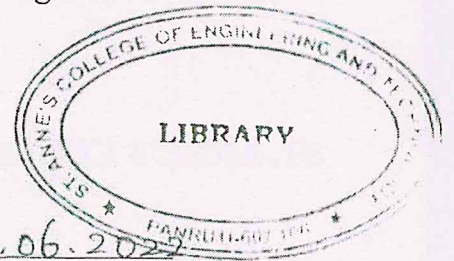
J.Arul Martinal

SUPERVISOR

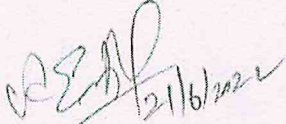
Assistant Professor

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St. Anne's College of
Engineering and

Panruti.



Submitted for the university examination held on 21.06.2022


INTERNAL EXAMINER


EXTERNAL EXAMINER



ST. ANNE'S

COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi. Affiliated to Anna University, Chennai)

(An ISO 9001: 2015 Certified Institution)

ANGUCHETTPALAYAM, PANRUTI – 607 106.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

PROJECT BATCH LIST

PERIOD: MAR – JUN 2022

BATCH: 2018-2022

YEAR/ SEMESTER: IV / VIII

BATCH NO.	REGISTER NO.	NAME	NAME OF THE GUIDE	TITLE OF THE PROJECT
1	422118106020	Sineka R	Dr. S. Anita, HOD/ECE	Syringe Pump
2	422118106001	Abinesh M	Mrs. D. Umamaheswari, ASP/ECE	Automatic detection of blood vessels in diabetic retinal image using cascade attentive refineNet
	422118106013	Ravichandiran P		
3	422118106007	Parameswari G	Mr. S. Balabasker, ASP/ECE	Saline level monitoring system using LoRa Technology
	422118106009	Preethi R		
	422118106303	Krishnadharshini S		
4	422118106012	Ramya V	Mr. R. Radhakrishnan, AP/ECE	Multipatient health monitoring system using ARDUINO MEGA
	422118106017	Seethalakshmi G		
5	422118106005	Manju R	Mr. V. Venkatesan, AP/ECE	Design of fast full adder by exploring XOR and XNOR gates
	422118106023	Vijayalakshmi K		
6	422118106014	Sandhiya R	Mr. S. Durai raj, AP/ECE	Design of Rectangular patch 4*4 array for satellite communications
	422118106018	Selvapraveena S		
7	422118106301	Delisiya D	Mr. B. Arunkumar, AP/ECE	Remote health monitoring system for visually impaired
	422118106302	Kavitha K		
8	422118106003	Kaveri K	Ms. M. Sahinipriya, AP/ECE	Design of GaAs based low noise amplifier for front-end system
	422118106021	Sivasakthi P		


PREPARED BY


VERIFIED BY


APPROVED BY

MICROFLUIDICS SYRINGE PUMP

A PROJECT REPORT

Submitted by

R. SINEKA 422118106020

in partial fulfillment for the award of the degree

of

BACHELOR OF ENGINEERING

in

ELECTRONICS AND COMMUNICATION ENGINEERING

ST. ANNE'S COLLEGE OF ENGINEERING & TECHNOLOGY

ANGUCHETTYPALAYAM, PANRUTI-607106

ANNA UNIVERSITY: CHENNAI 600 025

JUNE 2022

ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "MICROFLUIDICS SYRINGE PUMP" is the bonafide work of "R. SINEKA (422118106020)" who carried out the project work under my supervision.


SIGNATURE

Dr. Sr. S. ANITA, M. Tech, Ph. D.,

HEAD OF THE DEPARTMENT

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St. Anne's College of Engineering

& Technology

Anguchettypalayam,

Panruti-607106.


SIGNATURE

Dr. Sr. S. ANITA, M. Tech, Ph. D.,

SUPERVISOR

Electronics and Communication

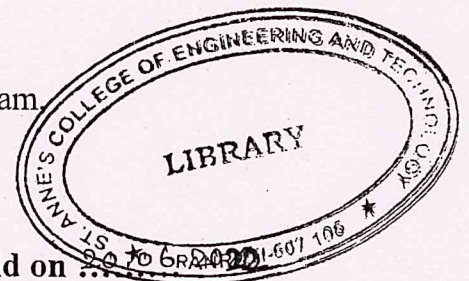
Engineering

St. Anne's College of Engg.

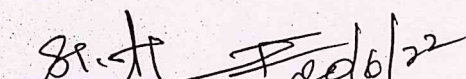
& Technology

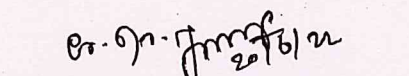
Anguchettypalayam

Panruti-607106.



Submitted for the ANNA UNIVERSITY examination held on


INTERNALEXAMINER


EXTERNAL EXAMINER

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "AUTOMATIC DETECTION OF BLOOD VESSELS IN DIABETIC RETINAL IMAGES USING CASCADE ATTENTIVE REFINENET" is the Bonafide work of M. ABINESH (422118106001) and P. RAVICHANDIRAN (422118106013) who carried out the project work under my supervision.


SIGNATURE

Dr. Sr. S. ANITA, M. Tech, Ph.D.,
HEAD OF THE DEPARTMENT

Electronics and Communication
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St. Anne's college of Engg&Tech
Anguchettypalayam
Panruti-607 106


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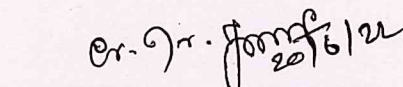
Mrs. D. UMAMAHESWARI, M.E
SUPERVISOR

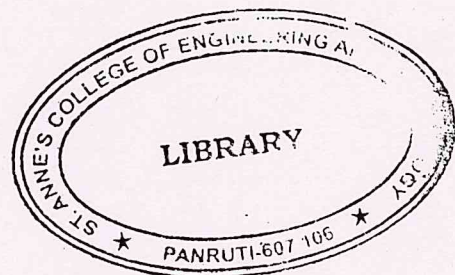
Associate Professor

Electronics and Communication
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Anguchettypalayam
Panruti-607 106

Submitted for the ANNA UNIVERSITY examination held on 20.06.2022


INTERNAL EXAMINER


EXTERNAL EXAMINER



**SALINE LEVEL MONITORING SYSTEM
USING LORA TECHNOLOGY**

A PROJECT REPORT

Submitted by

PARAMESWARI G	422118106007
PREETHI R	422112106009
KRISHNA DHARSHINI S	422118106303

in partial fulfillment for the award of the degree

of

BACHELOR OF ENGINEERING

in

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ST.ANNE'S COLLEGE OF ENGINEERING AND TECHNOLOGY,

ANGUCHETTYPALAYAM, PANRUTI – 607 106

ANNA UNIVERSITY : CHENNAI 600 025

JUNE 2022

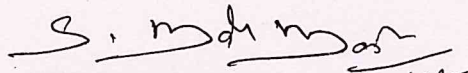
ANNA UNIVERSITY:: CHENNAI 600 025

BONAFIDE CERTIFICATE

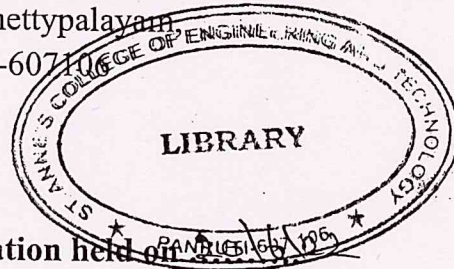
Certified that this project report "SALINE LEVEL MONITORING SYSTEM USING LORA TECHNOLOGY" is the bonafide work of "G. PARAMESWARI (422118106007), S. KRISHNADHARSHINI (422118106303), R. PREETHI (422118106009)" who carried out the project work under my supervision.


SIGNATURE 18/6/22

Dr. Sr. S. ANITA, M. Tech, Ph. D.,
HEAD OF THE DEPARTMENT
Professor
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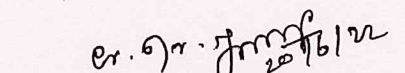

SIGNATURE 13/6/22

MR. S. BALABASKER
SUPERVISOR
Assistant Professor
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St. Anne's College of Engg & Tech.
Anguchettypalayam
Panruti-607106



Submitted for the ANNA UNIVERSITY examination held on 18/6/22


INTERNAL EXAMINER 18/6/22


EXTERNAL EXAMINER 20/6/22

**DESIGN AND ANALYSIS OF PATIENT
MONITORING SYSTEM USING CLOUD
COMPUTING**

A PROJECT REPORT

Submitted by

V.RAMYA - 422118106012

G. SEETHALAKSHMI - 422118106017

in partial fulfillment for the award of the degree

of

BACHELOR OF ENGINEERING

in

ELECTRONICS AND COMMUNICATION ENGINEERING

ST. ANNE'S COLLEGE OF ENGINEERING AND TECHNOLOGY

ANGUCHETTYPALAM, PANRUTI-607106

ANNAUNIVERSITY: CHENNAI 600025

JUNE 2022

ANNAUNIVERSITY: CHENNAI 600025

BONAFIDECERTIFICATE

Certified that this project report "DESIGN AND ANALYSIS OF PATIENT MONITORING SYSTEM USING CLOUD COMPUTING" is the bonafide work of "V.RAMYA (422118106012), G.SEETHALAKSHMI (422118106017)"

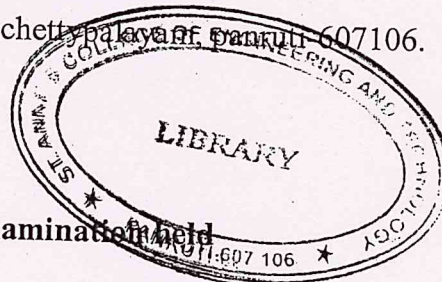
Who carried out the project work under my supervision.


SIGNATURE

Dr.Sr.S. ANITA, M Tech, Ph.D.,
HEAD OF THE DEPARTMENT
Electronics and Communication
Engineering
St. Anne's college of Engineering
and Technology,
Anguchettyalayam,
Panruti -607106.

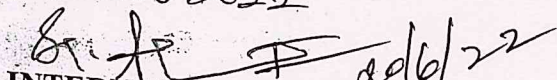

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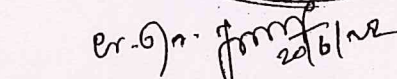
MR.R.RADHAKRISHNAN
SUPERVISOR
Assistant professor
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St. Anne's college of Engineering
and Technology,
Anguchettyalayam, Panruti -607106.



Submitted for the ANNA UNIVERSITY examination held

on 20.06.2022


INTERNAL EXAMINER


EXTERNAL EXAMINER

**DESIGN OF FAST FULL ADDER BY EXPLORING NEW
XNOR GATE
A PROJECT REPORT**

Submitted by

R.MANJU

422118106005

K.VIJAYALAKSHMI

422118106023

*inpartial fulfillment for the award of the degree
of*

BACHELOR OF ENGINEERING

in

ELECTRONICS AND COMMUNICATION ENGINEERING

ST.ANNE'S COLLEGE OF ENGINEERING & TECHNOLOGY

ANGUCHETTYPALAYAM, PANRUTI-607 106

ANNA UNIVERSITY: CHENNAI 600 025

JUNE 2022

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "DESIGN OF FAST FULL ADDER BY EXPLORING NEW XNOR GATE" is the bonafide work of "R.MANJU(422118106005), K.VIJAYALAKSHMI(422118106023)", who carried out the project work under my supervision.

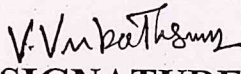

SIGNATURE

Dr.Sr.S.ANITA, M.Tech, Ph.D.
HEAD OF THE DEPARTMENT

Electronics and Communication
Engineering

St Anne's college of Engg&Tech
Anguchettypalayam

Panruti-607 106


SIGNATURE

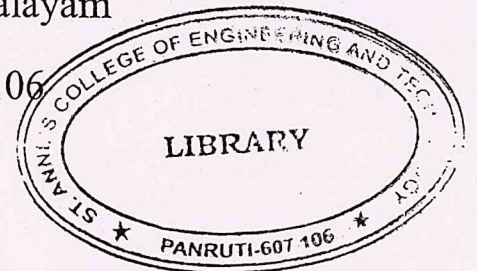
Mr.V.VENKATESAN, ME.,
SUPERVISOR

Assistant Professor

Electronics and Communication
Engineering

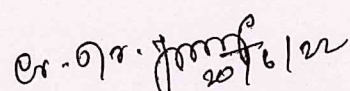
St Anne's college of Engg&Tech
Anguchettypalayam

Panruti-607 106



Submitted for the ANNA UNIVERSITY examination held on 20.06.2022.


INTERNAL EXAMINER


EXTERNAL EXAMINER

**DESIGN OF RECTANGULAR MICROSTRIP
PATCH 4*4 ARRAY FOR SATELLITE
COMMUNICATION**

A PROJECT REPORT

Submitted by

R.SANDHIYA - 422118106014

S. SELVA PRAVEENA - 422118106018

In partial fulfillment for the award of the degree

of

BACHELOR OF ENGINEERING

in

ELECTRONICS AND COMMUNICATION ENGINEERING

ST.ANNE'S COLLEGE OF ENGINEERING&TECHNOLOGY

ANGUCHETTYPALAYAM, PANRUTI-607 106


ANNA UNIVERSITY : CHENNAI 600 025

JUNE-2022

ANNA UNIVERSITY CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report “**DESIGN OF RECTANGULAR MICROSTRIP PATCH 4*4 ARRAY FOR SATELLITE COMMUNICATION**” is the confide work of “**R. SANDHIYA (422118106014), S. SELVA PRAVEENA (422118106018),**” who carried out the project work under my supervision.


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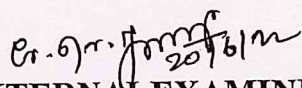

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Submitted for the ANNA UNIVERSITY examination held on 20.06.2022


INTERNAL EXAMINER


EXTERNAL EXAMINER

**REMOTE HEALTH MONITORING SYSTEM
FOR VISUALLY IMPAIRED**

A PROJECT REPORT

Submitted by

D.DELISIYA 422118106301

K. KAVITHA 422118106302

in partial fulfillment for the award of the degree

of

BACHELOR OF ENGINEERING

in

ELECTRONICS AND COMMUNICATION ENGINEERING

**ST. ANNE'S COLLEGE OF ENGINEERING AND
TECHNOLOGY**

ANGUCHETTYPALAM, PANRUTI-607 106


ANNA UNIVERSITY: CHENNAI 600 025

JUNE 2022

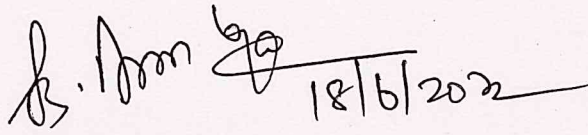
ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "REMOTE HEALTH MONITORING SYSTEM FOR VISUALLY IMPAIRED" is the Bonafede work of "D. DELISIYA (422118106301), K. KAVITHA (422118106302), "who carried out the project work under my supervision.


SIGNATURE

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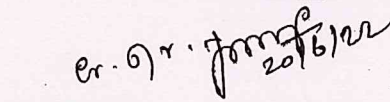

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Mr. B. ARUN KUMAR., M.E
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Submitted for the ANNA UNIVERSITY examination held on 18/6/2022




INTERNAL EXAMINER


EXTERNAL EXAMINER

**DESIGN OF GaAs BASED LOW NOISE AMPLIFIER
FOR 5G FRONT-END SYSTEM**

A PROJECT REPORT

Submitted by

K.KAVERI

422118106003

P.SIVASAKTHI

422118106021

in partial fulfillment for the award of the degree

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BACHELOR OF ENGINEERING

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ANGUCHETTYPALAM, PANRUTI-607 106


ANNA UNIVERSITY: CHENNAI 600 025

JUNE 2022

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "DESIGN OF BASED LOW NOISE AMPLIFIER FOR 5G FRONT-END SYSTEM" is the bonafide work of K.KAVERI (422118106003), P.SIVASAKTHI (422118106021) who carried out the project work under my supervision.


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**Dr.Sr.S.ANITA, M.Tech, (Ph.D).,
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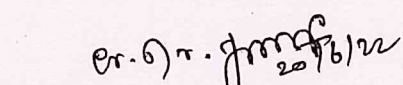
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Submitted for the ANNA UNIVERSITY examination held on 20/6/22


INTERNAL EXAMINER


EXTERNAL EXAMINER



ST. ANNE'S

COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi. Affiliated to Anna University, Chennai)

(An ISO 9001 : 2015 Certified Institution)

ANGUCHETTYPALAYAM, PANRUTI – 607 110.

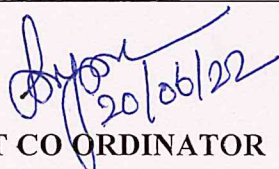
DEPARTMENT OF MECHANICAL ENGINEERING

ME8811 PROJECT WORK

BATCH 2018- 2022

YEAR/SEM: IV/VIII

Batch No	Reg.No	Student Name	Title	Guide Name
1	422118114005	Chandru S	Measuring Coating Thickness on magnesium Alloy	Mr.P.Murugan Assistant Professor, Department of Mechanical.
	422118114009	Kamalpriyan M		
	422118114016	Sathish Kumar J		
2	422118114003	Arockia Tony Play J	Electrical Discharge Coating Of Aluminium Alloy Using WS ₂ /Cu Green Compact Electrode	Mr.K. ShanmugaElango Assistant Professor, Department of Mechanical.
	422118114020	Vigneshkumar A		
	422118114301	Arun Prakash R		
3	422118114001	Anbzhazhagan T	Optimization of End Milling Parameters on 316L Stainless Steel Using Taguchi-Grey Relational Analysis	Dr.R.Arokiadass Professor, Department of Mechanical.
	422118114006	Daniel S		
	422118114008	Fralick S		
	422118114701	Devendiran R		
4	422118114004	Arulselvam M	Physical Vapour Deposition on Magnesium Alloy	Dr.D.Ommurugadhasan Professor & Head Department of Mechanical.
	422118114007	Dhinakaran K		
	422118114011	Krishnaraj A		
	422118114017	SenthamilSelvan V		
5	422118114010	Karunakaran B	Experimental Analysis Of Diesel Engine Using Bio-Fuel Blended With Aluminium Oxide	Mr.R.Sasikumar Assistant Professor, Department of Mechanical.
	422118114012	Manivel D		
	422118114302	Krishnakumar S		


PROJECT CO ORDINATOR


HOD


PRINCIPAL

MEASURING COATING THICKNESS
ON MAGNESIUM ALLOY

A PROJECT REPORT

Submitted by

CHANDRU S 422118114005
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SATHISH KUMAR J 422118114016

In partial fulfillment for the award of the degree

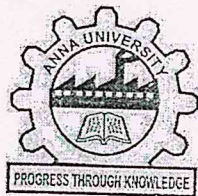
of

BACHELOR OF ENGINEERING

in

MECHANICAL ENGINEERING

ST.ANNE'S COLLEGE OF ENGINEERING AND TECHNOLOGY.



PANRUTI-607110

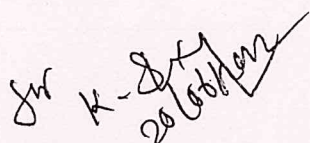
ANNA UNIVERSITY::CHENNAI - 600025

MAY 2022

ANNA UNIVERSITY::CHENNAI – 600 025

BONAFIDE CERTIFICATE

. Certified that this project report “MEASURING COATING THICKNESS ONMAGNESIUM ALLOY” is the bonafide work of “CHANDRU.S, KAMAL PIRIYAN.M, SATHISH KUMAR.J” Who carried out the project work under my guidance



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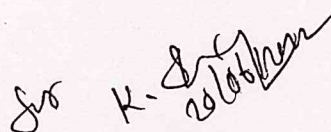
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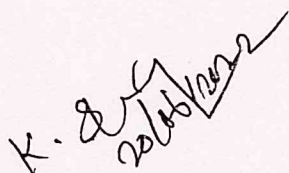
Assistant Professor

Mechanical Engineering

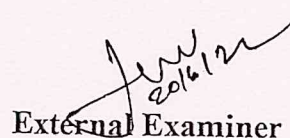
St Anne's college of Engg&Tech
Anguchettypalayam,

Panruti-607 106

Submitted for Project examination Viva-Voce held on 20/06/2022



Internal Examiner



External Examiner

Electrical Discharge Coating Of Aluminium Alloy Using WS₂/Cu Green Compact Electrode

A PROJECT REPORT

Submitted by

AROCKIA TONY PLAY J 422118114003

VIGNESHKUMAR A 422118114020

ARUN PRAKASH R 422118114301

in partial fulfilment for the award of the degree

of

BACHELOR OF ENGINEERING

IN

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ST. ANNE'S COLLEGE OF ENGINEERING
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ANNA UNIVERSITY: CHENNAI 600 025

JUNE-2022

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "Electrical Discharge Coating Of Aluminium Alloy Using WS₂/Cu Green Compact Electrode" is the bonafide work of "AROCKIA TONY PLAY . J", VIGNESH KUMAR. A, ARUN PRAKASH .R" who carried out the project work under my supervision.

Sar K. Shanmuga Elango
20/06/2022

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D R .D. OMMURUGADHASAN
HEAD OF THE DEPARTMENT
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Submitted for the ANNA UNIVERSITY examination held on 20.06.2022

K. Shanmuga Elango
20/06/2022

INTERNAL EXAMINER

K. Shanmuga Elango
EXTERNAL EXAMINER

**OPTIMIZATION OF END MILLING PARAMETERS ON 316L
STAINLESSS STEEL USING TAGUCHI-GREY
RELATIONAL ANALYSIS**

A PROJECT REPORT

Submitted by

ANBHAZHAGAN.T	422118114001
DANIEL.S	422118114006
FRALICK.S	422118114008
DEVENDIRAN.R	422118114701

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ANGUCHETTPALAYAM, PANRUTI-607110



ANNA UNIVERSITY::CHENNAI - 600025

JUNE 2022

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "OPTIMIZATION OF END MILLING PARAMETERS ON 316L STAINLESS STEEL USING TAGUCHI-GREY RELATIONAL ANALYSIS" is the bonafide work of "T.ANHAZHAGAN(422118114001),S.DANIEL(422118114006),S.FRALICK(422118114008)",R.DEVENDIRAN(422118114701),who carried out the project work under my supervision.

Dr. D. Ommurugadhasan
20/6/2022

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Submitted for the ANNA UNIVERSITY examination held on 20.06.2022

K. S. Srinivasan
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INTERNAL EXAMINER

J. S. Srinivasan
20/6/2022

EXTERNAL EXAMINER

PHYSICAL VAPOUR DEPOSITON ON MAGNESIUM ALLOY

A PROJECT REPORT

Submitted by

ARUL SELVAM.M	422118114004
DHINAKARAN.K	422118114007
KRISHNA RAJ.A	422118114011
SENTHAMIL SELVAN.V	422118114017

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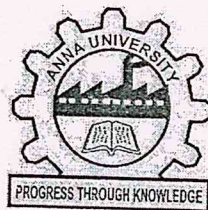
of

BACHELOR OF ENGINEERING

in

MECHANICAL ENGINEERING

ST.ANNE'S COLLEGE OF ENGINEERING AND TECHNOLOGY.



PANRUTI-607110

ANNA UNIVERSITY::CHENNAI - 600025

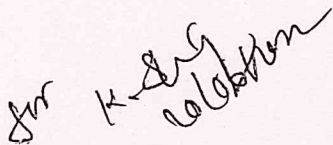
MAY 2022

ANNA UNIVERSITY::CHENNAI – 600 025

BONAFIDE CERTIFICATE

Certified that this project report “**PHYSICAL VAPOUR DEPOSITION ON MAGNESIUM ALLOY**” is the bonafide work of “**ARUL SELVAM.M, DHINAKARAN.K, KRISHNA RAJ.A, SENTHAMIL SELVAN.V**”

Who carried out the project work under my guidance.



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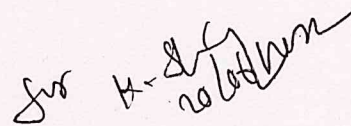
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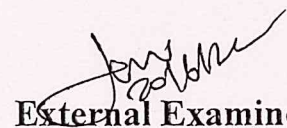
St Anne's college of Engg&Tech
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Submitted for Project examination Viva-Voce held on 20.06.2022



Internal Examiner



External Examiner

**EXPERIMENTAL ANALYSIS OF DIESEL ENGINE USING
BIO-FUEL BLENDED WITH ALUMINIUM OXIDE
A PROJECT REPORT**

Submitted by

**KARUNAKARAN B 422118114010
MANIVEL D 422118114012
KRISHNA KUMAR S 422118114302**

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**BACHELOR OF ENGINEERING
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MECHANICAL ENGINEERING**



**ST. ANNE'S COLLEGE OF ENGINEERING AND
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**ANNA UNIVERSITY: CHENNAI 600 025
APRIL-2022**

BONAFIDE CERTIFICATE

Certified that this project report "EXPERIMENTAL ANALYSIS OF DIESEL ENGINE USING BIO-FUEL BLENDED WITH ALUMINIUM OXIDE" is the bonafide work of "KARUNAKARAN.B, MANIVEL.D, KRISHNAKUMAR.S" who carried out the project work under my supervision.

Dr. D. Ommurugadhasan
20/06/20

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Jay
20/06/20



ST. ANNE'S COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi. Affiliated to Anna University, Chennai)

ANGUCHETTYPALAYAM, PANRUTI – 607 106.

MINI PROJECT



ST. ANNE'S

COLLEGE OF ENGINEERING AND TECHNOLOGY
(Approved by AICTE, New Delhi. Affiliated to Anna University, Chennai)
(An ISO 9001: 2015 Certified Institution)
ANGUCHETTYPALAYAM, PANRUTI – 607 106.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

MINI PROJECT BATCH LIST

PERIOD: MAR – JUN 2022

BATCH: 2019-2023

YEAR/ SEMESTER: III/ IV

S. No.	REGISTER NO.	NAME	NAME OF THE GUIDE	TITLE OF THE PROJECT
1	422119104002	Bakkiyalakshmi K	MRS.D.PAULINE FREEDA	CLASSIFICATION OF VIDEO METADATA
	422119104011	Kowsalya R		
	422119104012	Krishnaveni R		
2	422119104026	Sri Ram S	MRS.E.INDHUMA	ONLINE SHOPPING PRODUCT PRICE COMPARISON WEBSITE UTILIZING WEB SCRAPING
	422119104028	Syedthameem S		
	422119104031	Yogesh P A		
3	422119104006	Eswaramoorthy P	MRS.P.NIVETHA	ONLINE HOSTEL MANAGEMENT SYSTEM
	422119104008	Gurumoorthy S		
	422119104015	Manoj Kumar M		
4	422119104013	Loganathan S	SR.PUNITHA JILT	HEART DISEASE PREDICTION USING MACHINE LEARNIG
	422119104020	Rajesh K		
	422119104025	Siranjeevi K		
5	422119104001	Andro Jerry J	MRS.V.BRITTA DEVI	SMART ATTENDANCE GENERATOR AND MANAGEMENT SYSTEM BY COMPUTER VISION
	422119104003	Batricson L		
	422119104029	Tamiloli K		
6	422119104021	Saleth Reena M	MRS.Z.ASMATHUNNISA	FAST PASSWORD GENERATOR
	422119104022	Samshath Begam D		
	422119104024	Sathiya G		
7	422119104023	Santhosh R	MR.S.MANAVALAN	EMPLOYEE MANAGEMENT SYSTEM
	422119104007	Gilbart N		

8	422119104009	Karthika E	MR.S.RAJARAJAN	WEB BASED SPORTS EVENT MANAGEMENT SYSTEM
	422119104017	Princy Diana A		
	422119104018	Priya Antony A		
9	422119104005	Dhivagar B	MR.P.SARAVANABHAVA	INNOVATIVE WEB APPLICATION FOR NEWS SCRAPING
	422119104019	Purushothaman R		
	422119104030	Vasanth P A		


PREPARED BY


VERIFIED BY


APPROVED BY

CSF
MVA
22

CLASSIFICATION OF VIDEO METADATA

A MINI PROJECT REPORT

Submitted by

K. BAKKIYALAKSHMI 422119104002
R. KOWSALYA 422119104011
R. KRISHNAVENI 422119104012

in partial fulfillment for the award of the degree of

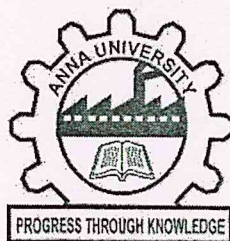
BACHELOR OF ENGINEERING

in

COMPUTER SCIENCE AND ENGINEERING



ST. ANNE'S COLLEGE OF ENGINEERING AND TECHNOLOGY



ANNA UNIVERSITY: CHENNAI 600 025

JUNE 2022

**ONLINE SHOPPING PRODUCT PRICE COMPARISON
WEBSITE UTILIZING WEB SCRAPING**

A MINI PROJECT REPORT

Submitted by

S. Sri Ram	422119104026
S. Syed Thameem	422119104028
P.A Yokesh	422119104031

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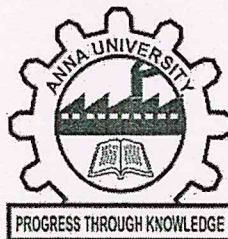
BACHELOR OF ENGINEERING

in

COMPUTER SCIENCE AND ENGINEERING



ST. ANNE'S COLLEGE OF ENGINEERING AND TECHNOLOGY



ANNA UNIVERSITY: CHENNAI 600 025

MARCH 2022 – JUNE 2022

BONAFIDE CERTIFICATE

Certified that this project report "ONLINE SHOPPING PRODUCT PRICE COMPARISON WEBSITE UTILIZING WEB SCRAPING" is the bonafide work of S. SRIRAM (422119104026), S. SYEDTHAMEEM (422119104028), P.A YOKESH (422119104031) who carried out the project work under my supervision.


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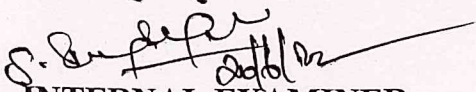
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HEAD OF THE DEPARTMENT,
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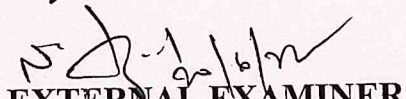
Head of the Department,
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Submitted for the project viva-voice held on...20/06/2022.


INTERNAL EXAMINER


EXTERNAL EXAMINER

ONLINE HOSTEL MANAGEMENT SYSTEM

A MINI PROJECT REPORT

Submitted by

ESWARAMOORTHY.P (422119104006)

GURUMOORTHY.S (422119104008)

MANOJKUMAR.M (422119104015)

*in partial fulfillment for the award of the degree
of*

BACHELOR OF ENGINEERING

in

COMPUTER SCIENCE AND ENGINEERING



ST. ANNE'S COLLEGE OF ENGINEERING AND TECHNOLOGY



ANNA UNIVERSITY: CHENNAI 600 025

JUNE 2022



ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE



Certified that this project report "ONLINE HOSTEL MANAGEMENT SYSTEM" is the bonafide work of "ESWARAMOORTHY.P (422119104006), GURUMOORTHY.S (422119104008), MANOJKUMAR.M (422119104015) who carried out the project work under my supervision.

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Panruti - 607 106.

Head of the Department,
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St. Anne's College of Engineering & Technology,
Panruti - 607 106.

ANGICHETTYPALAYAM,
Submitted for Project Viva- Voce Examination held on 20.06.2022.
Siruvathur-(Pcst), Panruti-(T.K),
Cuddalore-Dist, Pin: 607 110.

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20/6/22

INTERNAL EXAMINER

[Handwritten Signature]
20/6/22

EXTERNAL EXAMINER

HEART DISEASE PREDICTION USING MACHINE LEARNING
A PROJECT REPORT

Submitted by

S.Loganathan	422119104013
K.Rajesh	422119104020
K.Siranjeevi	422119104025

in partial fulfillment for the award of the degree

of

BACHELOR OF ENGINEERING

in

COMPUTER SCIENCE AND ENGINEERING



ST.ANNE'S COLLEGE OF ENGINEERING AND TECHNOLOGY



ANNA UNIVERSITY::CHENNAI 600 025

JUNE 2022



ANNA UNIVERSITY::CHENNAI 600 025



BONAFIDE CERTIFICATE

Certified that this project report “**HEART DISEASE PREDICTION USING MACHINE LEARNING**” is the bonafide work of **S.LOGANATHAN(422119104013), K.RAJESH (422119104020), K.SIRANJEEVI (422119104025)** who carried out the project work under my supervision.

[Handwritten Signature]
20/6/22

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Mrs.D.PAULINE FREEDA.M.E.,
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Sr.PUNITHA JILT . M.Tech.,
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Submitted for the Project Viva-Voce examination held on20/6/22.....

[Handwritten Signature]
20/6/22
Internal Examiner

[Handwritten Signature]
20/6/22
External Examiner

**SMART ATTENDANCE GENERATOR AND MANAGEMENT
SYSTEM BY COMPUTER VISION**

A MINI PROJECT REPORT

Submitted by

J. ANDRO JERRY	422119104001
L. BATRICSON	422119104003
K. TAMILOLI	422119104029

in partial fulfillment for the award of the degree

of

BACHELOR OF ENGINEERING

in

COMPUTER SCIENCE AND ENGINEERING



ST. ANNE'S COLLEGE OF ENGINEERING AND TECHNOLOGY



ANNA UNIVERSITY: CHENNAI 600 025

JUNE 2022

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "SMART ATTENDANCE GENERATOR AND MANAGEMENT SYSTEM BY COMPUTER VISION" is the bonafide work of J. ANDRO JERRY(422119104001), L.BATRICSON(422119104001), K.TAMILOLI(422119104029) who carried out the project work under my supervision.

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Mrs. V. BRITTA DEVI, ME.,
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Department of Computer
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Panruti.

External Examiner

FAST PASSWORD GENERATOR

A MINI PROJECT REPORT

Submitted by

M.SALETH REENA	(422119104021)
D. SAMSHATH BEGAM	(422119104022)
G. SATHIYA	(422119104024)

in partial fulfillment for the award of the degree

of

BACHELOR OF ENGINEERING

in

COMPUTER SCIENCE AND ENGINEERING



ST. ANNE'S COLLEGE OF ENGINEERING AND TECHNOLOGY



ANNA UNIVERSITY: CHENNAI 600 025

JUNE 2022

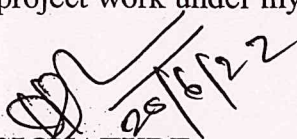



ANNA UNIVERSITY: CHENNAI 600 025



BONAFIDE CERTIFICATE

Certified that this project report "FAST PASSWORD GENERATOR" is the bonafide work of "SALETH REENA.M (422119104021), SAMSHATH BEGAM.D (422119104022), SATHIYA.G (422119104024)" who carried out the project work under my supervision.


SIGNATURE


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ASSISTANT PROFESSOR

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Submitted for Project Viva- Voce Examination held on 20/06/2022


INTERNAL EXAMINER


EXTERNAL EXAMINER

EMPLOYEE MANAGEMENT SYSTEM

A PROJECT REPORT

Submitted by

N.GILBERT 422119104007
R.SANTHOSH 422119104023

In partial fulfilment for the award of the degree

Of

BACHELOR OF ENGINEERING
IN
COMPUTER SCIENCE AND ENGINEERING



ST.ANNE'S COLLEGE OF ENGINEERING AND TECHNOLOGY



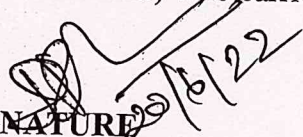
ANNA UNIVERSITY::CHENNAI 600 025

JUNE 2022

ANNA UNIVERSITY:CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "EMPLOYEE MANAGEMENT SYSTEM" is the bonafide work of N.GILBART (422119104007), R.SANTHOSH (422119104023) who carried out the project work under my supervision.


SIGNATURE

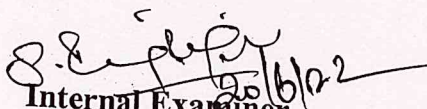

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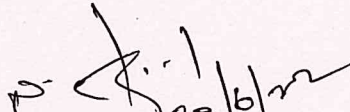
Mrs.D.PAULINE FREEDA, M.E
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Cuddalore-Dist, Pin: 607 110.

Submitted for the Project Viva-Voce examination held on ..20.06.2022


Internal Examiner


External Examiner

WEB BASED SPORTS EVENT MANAGEMENT SYSTEM

A MINI PROJECT REPORT

Submitted by

E. KARTHIKA	422119104009
A. PRINCY DIANA	422119104017
A. PRIYA ANTONY	422119104018

in partial fulfilment for the award of the degree

of

BACHELOR OF ENGINEERING

in

COMPUTER SCIENCE AND ENGINEERING



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ANNA UNIVERSITY: CHENNAI 600 025

JUNE 2022

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "WEB BASED SPORTS EVENT MANAGEMENT SYSTEM" is the bonafide work of E. KARTHIKA (422119104009), A. PRINCY DIANA (422119104017), A. PRIYA ANTONY (422119104018) who carried out the project work under my supervision.


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Panruti - 607 106

Submitted for the Project Viva-Voce examination held on ...20.06.2022


Internal Examiner


External Examiner

INNOVATIVE WEB APPLICATION FOR NEWS SCRAPING

A PROJECT REPORT

Submitted by

422119104005 **B.DHIVAGAR**
422119104019 **R.PURUSHOTHAMAN**
422119104030 **P.A.VASANTH**

in partial fulfillment for the award of the degree

of

BACHELOR OF ENGINEERING

IN

COMPUTER SCIENCE AND ENGINEERING



ST. ANNE'S COLLEGE OF ENGINEERING AND TECHNOLOGY



ANNA UNIVERSITY: CHENNAI 600 025

JUNE 2022



ANNA UNIVERSITY: CHENNAI 600 02



BONAFIDE CERTIFICATE

Certified that this project report "INNOVATIVE WEB APPLICATION FOR NEWS SCRAPING" is the bonafide work of "DHIVAGAR.B (422119104005), R.PURUSHOTHAMAN (422119104019), VASANTH.P.A (422119104030) who carried out the project work under my supervision.

SIGNATURE

MRS.D.PAULINE FREEDA.M.E.,

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Submitted for the Project Viva-Voce examination held on 20.6.22.....

Internal Examiner

External Examiner



ST. ANNE'S
COLLEGE OF ENGINEERING AND TECHNOLOGY
ANGUCHETTYPLAYAM, PANRUTI – 607 110.

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
MINI PROJECT BATCH LIST

2021-2022

Sl.No	Register no	Name of the student	Name of the guide	Title of the Project	Related to Curriculum /Subject
1	422119105002	Aravindh M	Mr. J. RAMESH	Forest fire detection using NODE MCU with GPS	Microcontroller & Embedded systems
	422119105006	Gokul K			
	422119105008	Krishna Jothi G			
	422119105011	Pradipraj M			
2	422119105001	Aakash K	Mr. V. BALAJI	Mini Inverter	Microcontroller & Embedded systems
	422119105005	Franklin Paul Raj A			
	422119105012	Sriram S			
3	422119105004	Ezhilkumar E	Mr. A. SUNDARAPANDIYAN	Plant moisture monitoring system	Microcontroller & Embedded systems
	422119105301	Ajith Kumar S			
	422119105303	Suresh Kumar S			
4	422119105003	Dhaslima A	Ms. M. PREMALATHA	A simple smart home based IoT using NODE MCU and BLYNK	Microcontroller & Embedded systems
	422119105013	Vijayalakshmi P			
	422119105014	Vishnu Priya P			
5	422119105010	Nivedha A	Mrs. J. ARUL MARTINAL.	Mobile phone detector,	Microcontroller & Embedded systems
	422119105007	Kaveri T			
	422119105304	Tharani P			

[Handwritten signature]
For Co-ordinator

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HOD

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Dr. R. AROKIADASS, M.E., Ph.D.,
Principal,
St. Anne's College of Engineering & Technology,
ANGUCHETTYPALAYAM,
Siruvathur-Post, Panruti, T.N.

FOREST FIRE DETECTION USING NODEMCU WITH GPS

A MINI PROJECT REPORT

Submitted by

ARAVINDH.M	422119105002
GOKUL.K	422119105006
KRISHNA JOTHI.G	422119105008
PRADIP RAJ.M	422119105011

in partial fulfilment for the award of the degree of

BACHELOR OF ENGINEERING

in

**DEPARTMENT OF ELECTRICAL AND ELECTRONICS
ENGINEERING**

**ST.ANNE'S COLLEGE OF ENGINEERING AND
TECHNOLOGY**

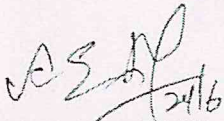
ANNA UNIVERSITY : CHENNAI 600 025

APRIL 2022

ANNA UNIVERSITY : CHENNAI 600 025

BONA CERTIFICATE

Certified that this mini project report "FOREST FIRE DETECTION USING NODEMCU WITH GPS" is the bonafide work of "M.ARAVINDH, K.GOKUL, G.KRISHNA JOTHI, M.PRADIP RAJ" who called out the mini project work under my supervision

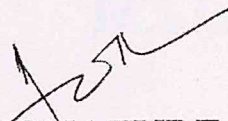


SIGNATURE

V.C.Eugin Martin Raj

HEAD OF THE DEPARTMENT

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SIGNATURE

J.Ramesh

SUPERVISOR

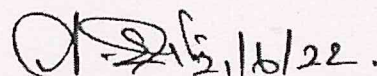
Assistant Professor

Department of Electrical
and Electronics
Engineering, Panruti.

Submitted for the University Examination held on 21-06-22



INTERNAL EXAMINER



EXTERNAL EXAMINER

MINI INVERTER

A MINI PROJECT REPORT

Submitted by

AAKASH. K

422119105001

FRANKLIEN PAUL RAJ. A

422119105005

SRIRAM. S

422119105012

in partial fulfillment for the award of the degree

of

BACHELOR OF ENGINEERING

in

ELECTRICAL AND ELECTRONICS ENGINEERING

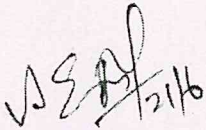
ST. ANNE'S COLLEGE OF ENGINEERING AND TECHNOLOGY

ANNA UNIVERSITY: CHENNAI 600 025

JUNE 2022

BONAFIDE CERTIFICATE

Certified that this mini project report "MINI INVERTER" is the bonafide work of "K. AAKASH, S. SRIRAM, A. FRANKLIEN PAUL RAJ" who carried out the project work under my supervision.



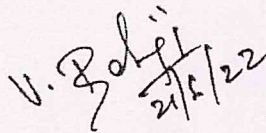
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SIGNATURE

V. BALAJI

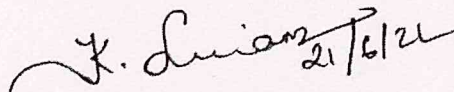
SUPERVISOR

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Panruti.

Submitted for the university examination held on 21.06.2022



INTERNAL EXAMINER


EXTERNAL EXAMINER

PLANT MOISTURE MONITORING SYSTEM

A MINI PROJECT REPORT

Submitted by

EZHILKUMAR. E

422119105004

AJITHKUMAR.S

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SURESHKUMAR.S

422119105303

in partial fulfillment for the award of the degree

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ELECTRICAL AND ELECTRONICS ENGINEERING

ST.ANNE'S COLLEGE OF ENGINEERING AND TECHNOLOGY

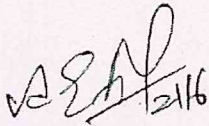
ANNAUNIVERSITY:: CHENNAI 600025

JUNE 2022

ANNA UNIVERSITY : CHENNAI 600025

BONAFIDE CERTIFICATE

Certified that this mini project report "PLANT MOISTURE MONITORING SYSTEM" is the bonafide work of "E.EZHILKUMAR , S.AJITHKUMAR, S.SURESHKUMAR" who carried out the mini project work under my supervision



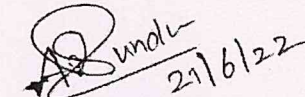
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SIGNATURE

A. Sundara Pandiyan

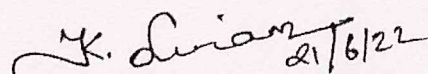
SUPERVISOR

Assistant Professor

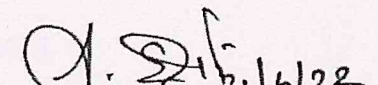
Department of Electrical and
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Panruti.

Submitted for the university examination held on 21/06/2022



INTERNAL EXAMINER



EXTERNAL EXAMINER

**A SIMPLE SMART HOME BASED IOT USING NODE MCU
AND BLYNK
A MINI PROJECT REPORT**

Submitted by

DHASLIMA. A	422119105003
VIJAYALAKSHMI. P	422119105013
VISHNU PRIYA. P	422119105014

in partial fulfillment for the award of the degree

of

BACHELOR OF ENGINEERING

in

ELECTRICAL AND ELECTRONICS ENGINEERING

ST. ANNE'S COLLEGE OF ENGINEERING AND TECHNOLOGY

ANNA UNIVERSITY: CHENNAI 600 025

JUNE 2022

BONAFIDE CERTIFICATE

Certified that this mini project report “ A SIMPLE SMART HOME BASED IOT USING NODE MCU AND BLYNK ” is the bonafide work of “ A. DHASLIMA , P. VIJAYALAKSHMI, P. VISHNU PRIYA ” who carried out the project work under my supervision.

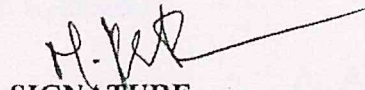

SIGNATURE

V.C. Eugin Martin Raj

HEAD OF THE DEPARTMENT

Department of Electrical and
Electronics Engineering,

St. Anne's College of
Engineering and Technology,
Panruti.


SIGNATURE

M. PREMALATHA

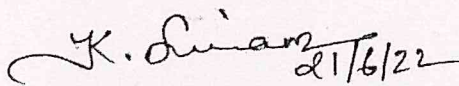
SUPERVISOR

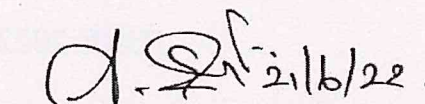
Assistant Professor

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Submitted for the university examination held on 21/06/2022


INTERNAL EXAMINER


EXTERNAL EXAMINER

MOBILE PHONE DETECTOR

A MINI PROJECT REPORT

Submitted by

KAVERI.T	422119105007
NIVEDHA .A	422119105010
THARANI.P	422119105304

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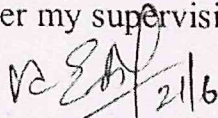
ANNA UNIVERSITY :: CHENNAI 600 025

JUNE 2022

ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this mini project report "MOBILE PHONE DETECTOR" is the bonafide work of "T.KAVERI , P.THARANI, A.NIVEDHA" who carried out the mini project work under my supervision.


SIGNATURE

V.C. Eugin Martin Raj
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Panruti.

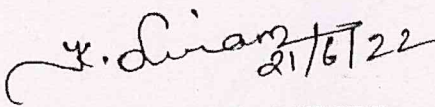

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Submitted for the university examination held on

21.06.2022


INTERNAL EXAMINER


EXTERNAL EXAMINER



ST. ANNE'S

COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi. Affiliated to Anna University, Chennai)

(An ISO 9001 : 2015 Certified Institution)

ANGUCHETTYPALAYAM, PANRUTI – 607 110.

DEPARTMENT OF MECHANICAL ENGINEERING

ME8682 DESIGN AND FABRICATION PROJECT

BATCH 2019- 2023

YEAR/SEM: III/VI

S.NO	REG.NO	NAME	TITLE	NAME OF THE GUIDE
1	422119114001	Arun M	Design And Fabrication Of Multi Purpose Sieving Machine	Mr.R.Jayakumar., Assistant Professor Department of Mechanical
2	422119114008	Mohamed Abuubaithar M		
3	422119114017	Vishwa J		
4	422119114006	Jeevanantham V	Design And Fabrication Of Water Tank Cleaning Machine	Mr.P.Murugan., Assistant Professor Department of Mechanical
5	422119114010	Paramaguru P M		
6	422119114014	Sivakumar S		
7	422119114002	Bharathi P	Design And Fabrication Of Ground nut Sowing Machine	Mr.K.Saravanan., Assistant Professor Department of Mechanical
8	422119114005	Dhinesh K		
9	422119114007	Krishnaraj M.		
10	422119114009	Muthuvel P	Design And Fabrication Of Screw Jack Operated by Spur Gear Using Battery	Mr.M.Sivamanikandan., Assistant Professor Department of Mechanical
11	422119114003	Bharath Kumar S		
12	422119114013	Ramalinga Raja S		
13	422119114016	Vetri S		
14	422119114302	Velmurugan D	Design And Fabrication Of Mechanical Operated Drainage Cleaner Machine	Mr.K.Saravanan., Assistant Professor Department of Mechanical
15	422119114012	Rabinraj J		
16	422119114015	Subash P		
17	422119114301	Madhan M		

K. S. S.
21/06/22
PROJECT CO ORDINATOR

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21/06/22
HOD

R. Jeyadev
21.6.22
PRINCIPAL

DESIGN AND FABRICATION OF MULTI-PURPOSE SIEVING MACHINE

A Project Report

Submitted by

ARUN.M

(422119114001)

MOHAMED ABU UBITHAR.M

(422119114008)

VISHWA.J

(422119114017)

in partial fulfillment for the award of the degree

of

BACHELOR OF ENGINEERING

IN

MECHANICAL ENGINEERING

ST.ANNE'S

COLLEGE OF ENGINEERING AND TECHNOLOGY

ANGUCHETTYPALAYAM PANRUTI-607 106



ANNAUNIVERSITY:CHENNAI600025

JUNE -2022

**DESIGN AND FABRICATION OF WATER TANK
CLEANING MACHINE**

A Project Report

Submitted by

JEEVANANTHAM.V

(422119114006)

PARAMAGURU.P.M

(422119114010)

SIVAKUMAR.S.

(422119114014)

In partial fulfillment for the award of the degree

of

BACHELOR OF ENGINEERING

IN

MECHANICAL ENGINEERING

ST. ANNE'S

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PANRUTI-607110



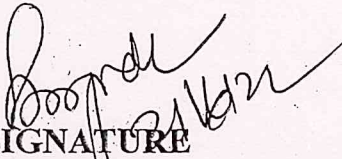
ANNA UNIVERSITY: CHENNAI 600 025

JUNE 2022

ANNA UNIVERSITY:CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "DESIGN AND FABRICATION OF WATER TANK CLEANING MACHINE" is the bonafide work of "JEEVANANTHAN.V (422119114006), PARAMAGURU.P.M (422119114010), SIVAKUMAR.S (422119114014)" who carried out the project under my supervision.


SIGNATURE

Dr.Ommurugadhasan,M.E,Ph.D,

(Head of Mechanical Dept)

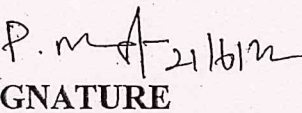
Dept of Mechanical

Engineering

St.Anne's college of engineering

& Technology

Panruti-607110


SIGNATURE

Mr.P.Murugan M.E, MBA.,

(Asst.Professor&Project Guide)

Department of Mechanical

Engineering

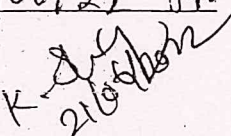
St.Anne's college of engineering

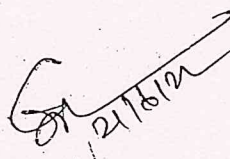
& Technology

Panruti-607110

Submitted for project viva-voice examination held on

21/06/22 In


Internal examiner


External examiner

MECH
New Project
Title Page

DESIGN AND FABRICATION OF GROUNDNUT SOWING MACHINE

A Project Report

Submitted by

BHARATHI.P	(422119114002)
DHINESH.K	(422119114005)
KRISHNARAJ.M	(422119114007)
MUTHUVEL.P	(422119114009)

in partial fulfillment for the award of the degree

Of

BACHELOR OF ENGINEERING

IN

MECHANICAL ENGINEERING

ST.ANNE'S

COLLEGE OF ENGINEERING AND TECHNOLOGY

PANRUTI-607110



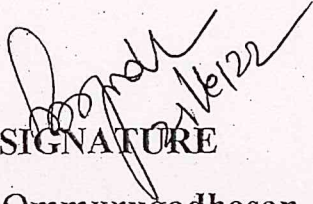
ANNA UNIVERSITY: CHENNAI 600 025

JUNE 2022

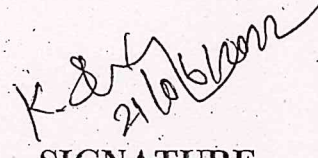
ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CIRTIFICATE

Certified that this project report “ **DESIGN AND FABRICATION OF GROUNDNUT SOWING MACHINE** ” is the bonafide work of “**BHARATHI.P (422119114002), DHINESH.K (422119114005), KRISHNARAJ.M (422119114007) AND MUTHUVEL.P (422119114009)** ” who carried out the project under my supervision.

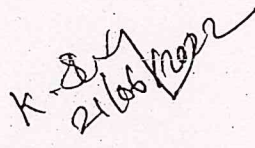

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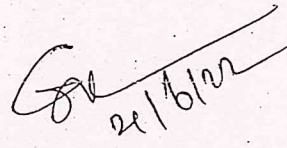
Dr.D. Ommurugadhasan, M.E.,PhD.,
(Head of Mechanical Department)
Department of Mechanical
Engineering
St.Anne’s college of Engineering
and Technology ,
Panruti .


SIGNATURE

MR. K. Saravanan, M.E.,
(Project Guide & supervisor)
Department of Mechanical
Engineering
St.Anne’s college of
Engineering and Technology,
Panruti.

Submitted for project viva-voice examination held on
21-06-2022


Internal examiner


External examiner

DESIGN AND FABRICATION OF SCREW JACK OPERATED BY SPUR GEAR USING BATTERY

A PROJECT REPORT

Submitted by

S .BHARATH KUMAR
S .RAMALINGA RAJA
S .VETRI
D .VELMURUGAN

(422119114003)
(422119114013)
(422119114016)
(422119114302)

in partial fulfilment for the award of the degree

of

BACHELOR OF ENGINEERING

IN

MECHANICAL ENGINEERING

ST. ANNE'S COLLEGE OF ENGINEERING

& TECHNOLOGY

PANRUTI-607110



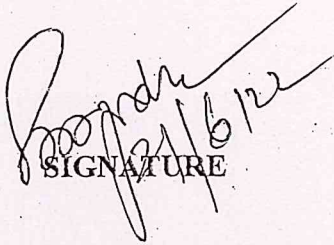
ANNA UNIVERSITY: CHENNAI 600 025

JUNE 2022

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "DESIGN AND FABRICATION OF SCREW JACK OPERATED BY SPUR GEAR USING BATTERY" is the bonafide work of S .BHARATH KUMAR (422119114003) , S. RAMALINGA RAJA(422119114013) , S.VETRI (422119114016) AND D. VELMURUGAN (422119114302) who carried out the project work under my supervision.



SIGNATURE

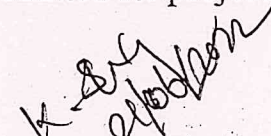
Dr.D.Ommurugadhasan,M.E.,PhD.,
(Head of mechanical Department)
Department of Mechanical
Engineering
St.Anne's College of Engineering
And Technology
Panruti.



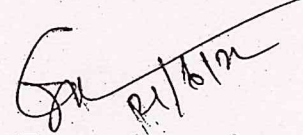
SIGNATURE

Mr.M.Sivamanikandan,BE,MTech
(Project Guide And Supervisor)
Department of Mechanical
Engineering
St.Anne's College of Engineering
And Technology
Panruti.

Submitted for project viva-voice examination held on 21/06/2022 /EN



Internal examiner



External examiner

MECHANICAL OPERATED DRAINAGE CLEANER MACHINE

A Project Report

Submitted by

RABIN RAJ.J

(422119114012)

SUBASH.P

(422119114015)

MADHAN.M

(422119114301)

In partial fulfilment for the award of the degree

Of

BACHELOR OF ENGINEERING

IN

MECHANICAL ENGINEERING

ST.ANNE'S

COLLEGE OF ENGINEERING & TECHNOLOGY

PANRUTI-607110

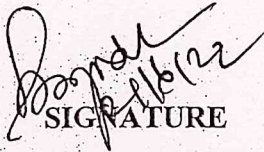


ANNA UNIVERSITY: CHENNAI 600 025

JUNE 2022

BONAFIDE CERTIFICATE

Certified that this project report "MECHANICAL OPERATED DRAINAGE CLEANER MACHINE" is the bonafide work of RABIN RAJ.J (422119114012), SUBASH.P (422119114015), MADHAN.M(422119114301) who carried out the project under my supervision.



SIGNATURE

Dr. D. Ommurugadhasan. M.E., Ph.D.

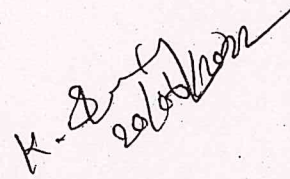
(Head of Mechanical Department)

Department Of Mechanical Engineering

St.Anne's College of Engineering &

Technology

Panruti-607110



SIGNATURE

MR. K. Saravanan.,M.E

(Asso. Professor & Project Guide)

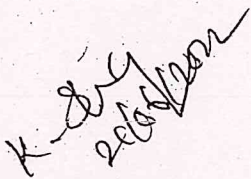
Department of Mechanical Engineering

St.Anne's College of Engineering &

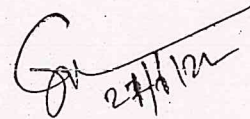
Technology

Panruti-607110

Submitted for project viva-voice examination held on 21.06.2022 /FW



Internal examiner



External examiner



ST.ANNE'S COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi. Affiliated to Anna University, Chennai)

ANGUCHETTYPALAYAM, PANRUTI – 607 106.

IDEA CONTEST

ST. ANNE'S

COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai)

(An ISO 9001 : 2015 Certified Institution)

ANGUCHETTYPALAYAM, PANRUTI - 607 110

CIRCULAR

2021-2022

CIR. No.: SACET/R&D/CIR/01

Date: 01.11.2021

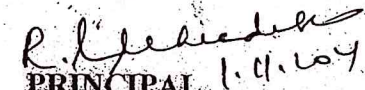
The research and development cell has arranged IDEA CONTEST'21 for all the students to exhibit their technical ideas on 07th November, 2021 at R&D cell. The interested students can register their names on or before 5th November, 2021. Students are asked to prepare the presentation in the prescribed format given in the website.

Register @ <http://www.stannescet.ac.in/IDEA2021>


R&D COORDINATOR

Copy to:

1. Secretary
2. Vice Principal
3. All HODs
4. File


PRINCIPAL 1.11.2021
Dr. R. AROKIADASS, M.E., Ph.D.,
Principal,
St. Anne's College of Engineering & Technology,
ANGUCHETTYPALAYAM,
Siruvathur (Post), Panruti (T.k.),
Cuddalore (Dist), Pin: 607 110.



ST. ANNE'S

COLLEGE OF ENGINEERING AND TECHNOLOGY
(Approved by AICTE New Delhi. Affiliated to Anna University, Chennai)
(An ISO 9001:2015 Certified Institution)
ANGUCHETTYPLAYAM, PANRUTI – 607 106.

RESEARCH AND DEVELOPMENT CELL

Organises

IDEA CONTEST'21

to be held on

7th December 2021

Dr. Sr. Y. Yesu Thangam, SAT
Secretary, St. Anne's CET
will preside

Dr. R. Arokiadass, M.E., Ph.D
Principal, St. Anne's CET
will felicitate

Venue: R&D Cell

Welcomes you All

Project Centre

21-22

Bom

IDEA CONTEST'21

The Research and Development Cell organized an event IDEA CONTEST'21 for budding engineers to exhibit their talent on 7th December 2021. The Idea Contest'21 was conducted for each department in various venues. The students express their novel innovative ideas for the future technological development of the world. Final year and Third year students had actively participated as a team and delivered their innovative ideas in various fields. A Total of 20 teams presented their ideas. Prize winners were selected from each department. The Final year students and staff were attended this event. The students' ability to present their ideas in the domain of diverse engineering fields has been boosted by this contest.

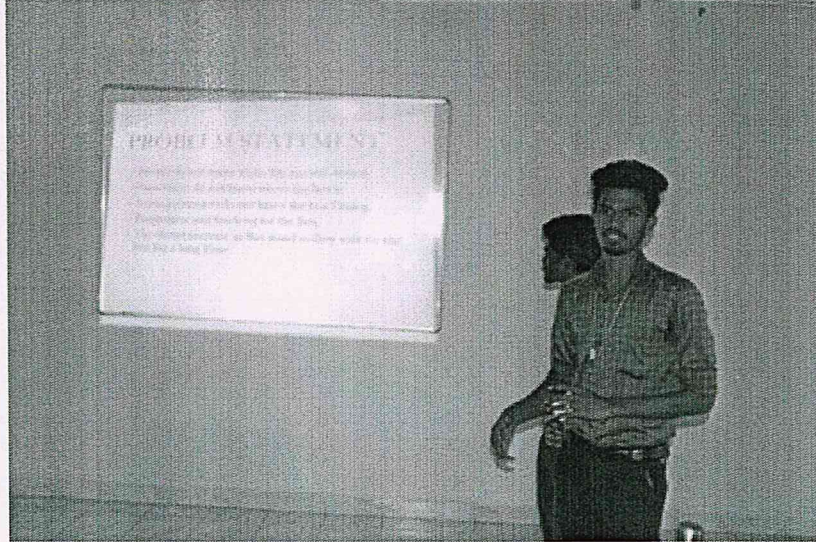
The prize winners list is given below:

S.No.	Team Members	Year	Department	Idea Title
1.	S. Daniel S. Fralick B. Karunakaran	IV	MECH	Exo-Skeleton
2.	P. Bharathi S. Bharathkumar M. Krishna Raj	III	MECH	Safety Walking Stick
3.	M. Abinеш G. Parameswari	IV	ECE	Smart Set-Top Box
4.	S. Selva Praveena K. Kaveri P. Siva Sakthi	IV	ECE	Speech Controlled Wireless Elevator System
5.	B. Anbumani S. Kalai priyan K. Surendhar R. Rasu	IV	EEE	Futuristic Battery using Iron - ion for E-vehicles
6.	B. Dhivagar K. Rajesh S. Sriram	III	CSE	Pictorial Authentication





IDEA CONTEST'21



R. Aradiass

Dr. R. AROKIADASS, M.E., Ph.D.,
Principal,
St. Anne's College of Engineering & Technology,
ANGUCHETTYPALAYAM,
Siruvathur-(Post), Palani (T.E.),
Cuddalore-(Dist), Pin: 605007



ST.ANNE'S COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi. Affiliated to Anna University, Chennai)

ANGUCHETTPALAYAM, PANRUTI – 607 106.

PREPLACEMENT INTERNSHIP

15/5/21

Requisition Letter for Internship

Sineka sineka2001cud@gmail.com
to: ismo.biophotonics@gmail.com

Wed, May 5, 2021 at 1:55 PM

Respected Sir,

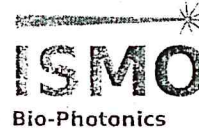
I am Sineka R, me and my friends Ms. Senthamizhselvi, Ms. Kavitha are doing final year in St. Anne's College of Engineering and Technology. We wish to do industrial internship in ISMO Bio Photonics Private Limited. Our details are below.

Ms. Sineka R – Final year ECE
Ms. Kavitha K – Final Year ECE
Ms. Senthamizhselvi P – Final Year CSE

We request you to kindly appoint us as an intern in your organization and I assure you that we will obey the rules and regulation of your organization.

Thanking you.

With regards,
Sineka.R



You shall be governed by the following terms and conditions of service during your internship with ISMO, and those may be amended from time to time.

1. You are being hired as **Industrial Intern** and Mr. Ikram Khan would be your Reporting Manager and Mentor during the internship.
2. Your date of joining is 06-Oct-2021 and the duration of the internship would be for duration of 5 weeks. During this time you are expected to devote your time and efforts solely to our work. You are also required to let your mentor know about forthcoming events (if there are any) in advance so that your work can be planned accordingly.
3. All the work that you will produce at or in relation to ISMO will be the intellectual property of ISMO. You are not allowed to store, copy, sell, share, and distribute it to a third party under any circumstances. Similarly you are expected to refrain from talking about your work in public domains (both online such as blogging, social networking site and offline among your friends, college etc.) without prior discussion and approval with your mentor.
4. We take data privacy and security very seriously and to maintain confidentiality of any students, customers, clients, and companies' data and contact details that you may get access to during your internship will be your responsibility. We operate on **zero tolerance** principle with regard to any breach of data security guidelines.
5. At the completion of the internship you are expected to hand over all the work/data stored on. Handover your Personal Computer to your mentor and any data of the venture will be deleted from your machine.
6. During the appointment period you shall not engage yourselves directly or indirectly or in any capacity in any other organization (other than your college). In the event of breach of this condition, this appointment is liable to be terminated forthwith by the company. In addition, you shall be liable to pay liquidated damages to the Company of an extent estimated by the Company.
7. Under normal circumstances either the company or you may terminate this association by providing a notice of 30 days without assigning any reason. However, the company may terminate this agreement forthwith under situations of in-disciplined behavior.
8. You are expected to conduct yourself with utmost professionalism in dealing with your mentor, team members, colleagues, clients and customers and treat everyone with due respect.
9. ISMO is a start up and we love people who like to go beyond the normal call of the duty and can think out of the box. Surprise us with your passion, intelligence, creativity and hard work – and expect appreciation & rewards to follow.
10. You will be provided no stipend for this internship.

ISMO Bio-Photonics Private Limited

CIN:U33119TN2020PTC137798

IIT Madras Research Park, E Block, First Floor (RTBI),

Kanagam Road, Taramani- Chennai-600 113

www.ismobioPhotonics.com



ST. ANNE'S

COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi. Affiliated to Anna University, Chennai)

(An ISO 9001: 2015 Certified Institution)

ANGUCHETTYPALAYAM, PANRUTI – 607 106

INDUSTRIAL PROJECT

**ISMO BIO-PHOTONICS PVT LTD,
IIT MADRAS RESEARCH PARK**

APRIL 2022 - June 2022

Objective

The main objective of the Industrial project is to learn the new technologies in electronics and communication field and apply them for an application needed for the society.

Outcomes

- Students learn the new technologies and control methods.
- Learn about the new softwares relevant to circuit design and PCB Design.
- Learn about the sensors, controllers and Arduino.



Date:10/05/2021

Ms. Senthamizhselvi P,

St. Annes College of Engg.,

senthamizhselvi.p436@gmail.com

Dear Senthamizhselvi P,

I am delighted & excited to welcome you to ISMO Bio-Photonics Pvt. Ltd. as an **Intern**.

At our company, we believe that our team is our biggest strength and we take pride in hiring **ONLY** the best and the brightest. We are confident that you would play a significant role in the overall success of the venture and wish you the most enjoyable, learning packed and truly *meaningful* internship experience with ISMO.

Your appointment will be governed by the terms and conditions presented in the **Annexure A**. We look forward to you joining us. Please do not hesitate to call us for any information you may need. Also, please sign the duplicate of this offer as your acceptance and forward the same to us. Congratulations!

For ISMO Bio-Photonics Pvt. Ltd

A handwritten signature in black ink, appearing to be "S. Senthamizhselvi".

(DIRECTOR and CEO)

ISMO Bio-Photonics Private Limited
CIN:U33119TN2020PTC137798
IIT Madras Research Park, E Block, First Floor (RTBI),
Kanagam Road, Taramani- Chennai-600 113
www.ismobioPhotonics.com

Permission Letter

From:

P. Senthambh Selvi,
CSE - IV Year,
St. Anne's CET,
Parsauti.

To:

The HOD,
CSE Dept,
St. Anne's CET,
Parsauti.

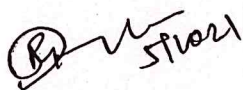
Respected Madam,

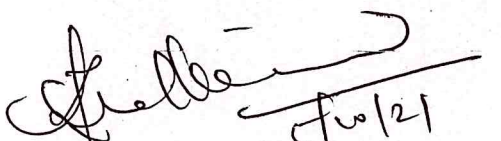
As I got selected to go internship in
IBM Bio-photonics Private Limited, IIT Madras
I have to accommodate in nearby hostel (Royals)
for one month. So kindly grant me permission
to take on duty for one month (from 06-10-2021).


Thanking you,

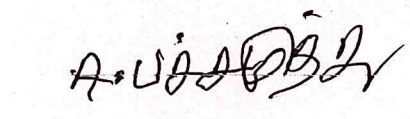
Yours obediently,
P. Senthambh Selvi

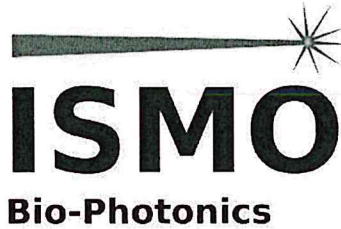
Date: 05.10.2021


P. Senthambh Selvi


5/10/21
CLASS INCHARGE


5/10/2021
HOD


(Parent Sign)



Date: 20/06/22

TO WHOMEVER IT MAY CONCERN

This is to certify that **Ms. SENTHAMIZHSELVI.P** (422118104018) from **St. Anne's college of Engineering and Technology** has successfully completed her Project on **"Web Design using AWS"** for the month of April 2022 to June 2022 with ISMO Bio-Photonics Pvt Ltd, IIT Madras Research Park.

A handwritten signature in black ink, appearing to read "Ikram Khan S I".

Ikram Khan S I
CEO and Director,
ISMO Bio-Photonics Pvt Ltd

| Email: ikram@ismobiophotonics.com
| www.ismobiophotonics.com



ISMO Bio-Photonics Pvt Ltd

3rd Floor, IITM Research Park, No.1,
Kanagam Rd, Tharamani, Chennai,
Tamil Nadu, IN 600097

CIN: U33119TN2020PTC137798

INDUSTRIAL PROJECT IN ISMO BIO-PHOTONICS

IIT MADRAS RESEARCH PARK

(April 2022 – June 2022)

REPORT

I have completed industrial Project on “Precision Automated syringe pump system” from April 2022 to June 2022.

We got an experience about IoT, Arduino, sensors and their technology. We gained knowledge about industrial projects. In this project our mentor motivated us a lot to do effectively within a stipulated time period.

By this project in industrial technology, we came to know that we should satisfy the customers’ expectations also.

Through this industrial Project, apart from the technical knowledge we learned the skills like

- Time management
- Working skills
- Self-learning
- Team work



Dr. R. AROKIADASS, M.E., Ph.D.,
Principal,
St. Anne's College of Engineering & Technology,
ANGUCHETTPALAYAM,
Siruvathur-(Post), Panruti-(T. B.),
Cuddalore-(Dist), Pin: 607 103.

Annexure A

You shall be governed by the following terms and conditions of service during your internship with ISMO, and those may be amended from time to time.

1. You are being hired as **Industrial Intern** and Mr. Ikram Khan would be your Reporting Manager and Mentor during the internship.
2. Your date of joining is 06-Oct-2021 and the duration of the internship would be for duration of 5 weeks. During this time you are expected to devote your time and efforts solely to our work. You are also required to let your mentor know about forthcoming events (if there are any) in advance so that your work can be planned accordingly.
3. All the work that you will produce at or in relation to ISMO will be the intellectual property of ISMO. You are not allowed to store, copy, sell, share, and distribute it to a third party under any circumstances. Similarly you are expected to refrain from talking about your work in public domains (both online such as blogging, social networking site and offline among your friends, college etc.) without prior discussion and approval with your mentor.
4. We take data privacy and security very seriously and to maintain confidentiality of any students, customers, clients, and companies' data and contact details that you may get access to during your internship will be your responsibility. We operate on **zero tolerance** principle with regard to any breach of data security guidelines.
5. At the completion of the internship you are expected to hand over all the work/data stored on. Handover your Personal Computer to your mentor and any data of the venture will be deleted from your machine.
6. During the appointment period you shall not engage yourselves directly or indirectly or in any capacity in any other organization (other than your college). In the event of breach of this condition, this appointment is liable to be terminated forthwith by the company. In addition, you shall be liable to pay liquidated damages to the Company of an extent estimated by the Company.
7. Under normal circumstances either the company or you may terminate this association by providing a notice of 30 days without assigning any reason. However, the company may terminate this agreement forthwith under situations of in-disciplined behavior.
8. You are expected to conduct yourself with utmost professionalism in dealing with your mentor, team members, colleagues, clients and customers and treat everyone with due respect.
9. ISMO is a start up and we love people who like to go beyond the normal call of the duty and can think out of the box. Surprise us with your passion, intelligence, creativity and hard work – and expect appreciation & rewards to follow.
10. You will be provided no stipend for this internship.

ISMO Bio-Photonics Private Limited

CIN:U33119TN2020PTC137798

IIT Madras Research Park, E Block, First Floor (RTBI),

Kanagam Road, Taramani- Chennai-600 113

www.ismobiophotonics.com

Date:10/05/2021

Ms. SINEKA RAMAMOORTHY,

St. Annes College of Engg.,,

sineka2001cud@gmail.com

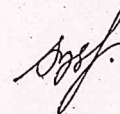
Dear SINEKA RAMAMOORTHY,

I am delighted & excited to welcome you to ISMO Bio-Photonics Pvt. Ltd. as an **Intern**.

At our company, we believe that our team is our biggest strength and we take pride in hiring **ONLY** the best and the brightest. We are confident that you would play a significant role in the overall success of the venture and wish you the most enjoyable, learning packed and truly *meaningful* internship experience with ISMO.

Your appointment will be governed by the terms and conditions presented in the **Annexure A**. We look forward to you joining us. Please do not hesitate to call us for any information you may need. Also, please sign the duplicate of this offer as your acceptance and forward the same to us. Congratulations!

For ISMO Bio-Photonics Pvt. Ltd



(DIRECTOR and CEO)

Permission Letter

From,

R. Sineka,
ECE - IV year,
St. Anne's CET,
Panruti.

To,

The HOD,
ECE Dept,
St. Anne's CET,
Panruti.

Respected sister,

As I got selected to go internship
in ISMO Bio-Photonics Private Limited, IT Madras.

I have to accommodate in nearby hostel [Royals]
for one month. So kindly grant me your
permission to take on duty for one month.

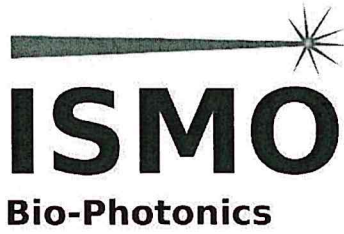
Thanking you,

your's obediently,
R. Sineka

Date: 05.10.2021

~~R. Sineka~~
6/10/2021

M. Ramamurthy
6/10/2021
(M. Ramamurthy)



Date: 20/06/22

TO WHOMEVER IT MAY CONCERN

This is to certify that **Ms. SINEKA RAMAMOORTHY** (422118106020) from **St. Anne's college of Engineering and Technology** has successfully completed her Project on **"Precision Automated Syringe Pump System"** for the month of April 2022 to June 2022 with ISMO Bio-Photonics Pvt Ltd, IIT Madras Research Park.

A handwritten signature in black ink, appearing to read "Ikram Khan S I".

Ikram Khan S I
CEO and Director,
ISMO Bio-Photonics Pvt Ltd

| Email: ikram@ismobiophotonics.com
| www.ismobiophotonics.com



ISMO Bio-Photonics Pvt Ltd

3rd Floor, IITM Research Park, No.1,
Kanagam Rd, Tharamani, Chennai,
Tamil Nadu, IN 600097

CIN: U33119TN2020PTC137798

INDUSTRIAL PROJECT IN ISMO BIO-PHOTONICS IIT MADRAS RESEARCH PARK

(April 2022 – June 2022)

REPORT

I have completed industrial Project on “Precision Automated syringe pump system” from April 2022 to June 2022.

We got an experience about IoT, Arduino, sensors and their technology. We gained knowledge about industrial projects. In this project our mentor motivated us a lot to do effectively within a stipulated time period.

By this project in industrial technology, we came to know that we should satisfy the customers’ expectations also.

Through this industrial Project, apart from the technical knowledge we learned the skills like

- Time management
- Working skills
- Self-learning
- Team work



Dr. R. AROKIADASS, M.E., Ph.D.,
Principal,
St. Anne's College of Engineering & Technology,
ANGUCHETYPALAYAM,
Siruvathur-(Post), Panruti-(T.k.),
Cuddalore-(Dist), Pin: 607 110.



You shall be governed by the following terms and conditions of service during your internship with ISMO, and those may be amended from time to time.

1. You are being hired as **Industrial Intern** and Mr. Ikram Khan would be your Reporting Manager and Mentor during the internship.
2. Your date of joining is 06-Oct-2021 and the duration of the internship would be for duration of 5 weeks. During this time you are expected to devote your time and efforts solely to our work. You are also required to let your mentor know about forthcoming events (if there are any) in advance so that your work can be planned accordingly.
3. All the work that you will produce at or in relation to ISMO will be the intellectual property of ISMO. You are not allowed to store, copy, sell, share, and distribute it to a third party under any circumstances. Similarly you are expected to refrain from talking about your work in public domains (both online such as blogging, social networking site and offline among your friends, college etc.) without prior discussion and approval with your mentor.
4. We take data privacy and security very seriously and to maintain confidentiality of any students, customers, clients, and companies' data and contact details that you may get access to during your internship will be your responsibility. We operate on **zero tolerance** principle with regard to any breach of data security guidelines.
5. At the completion of the internship you are expected to hand over all the work/data stored on. Handover your Personal Computer to your mentor and any data of the venture will be deleted from your machine.
6. During the appointment period you shall not engage yourselves directly or indirectly or in any capacity in any other organization (other than your college). In the event of breach of this condition, this appointment is liable to be terminated forthwith by the company. In addition, you shall be liable to pay liquidated damages to the Company of an extent estimated by the Company.
7. Under normal circumstances either the company or you may terminate this association by providing a notice of 30 days without assigning any reason. However, the company may terminate this agreement forthwith under situations of in-disciplined behavior.
8. You are expected to conduct yourself with utmost professionalism in dealing with your mentor, team members, colleagues, clients and customers and treat everyone with due respect.
9. ISMO is a start up and we love people who like to go beyond the normal call of the duty and can think out of the box. Surprise us with your passion, intelligence, creativity and hard work – and expect appreciation & rewards to follow.
10. You will be provided no stipend for this internship.

ISMO Bio-Photonics Private Limited

CIN:U33119TN2020PTC137798

IIT Madras Research Park, E Block, First Floor (RTBI),

Kanagam Road, Taramani- Chennai-600 113

www.ismobiophotonics.com

Date:10/05/2021

Ms. KAVITHA K,

St. Annes College of Engg.,

arulkavi1101999@gmail.com

Dear ^{Kavitha.k.} ~~Shariq Ibrahim,~~

I am delighted & excited to welcome you to ISMO Bio-Photonics Pvt. Ltd. as an **Intern**.

At our company, we believe that our team is our biggest strength and we take pride in hiring ONLY the best and the brightest. We are confident that you would play a significant role in the overall success of the venture and wish you the most enjoyable, learning packed and truly *meaningful* internship experience with ISMO.

Your appointment will be governed by the terms and conditions presented in the **Annexure A**. We look forward to you joining us. Please do not hesitate to call us for any information you may need. Also, please sign the duplicate of this offer as your acceptance and forward the same to us. Congratulations!

For ISMO Bio-Photonics Pvt. Ltd



(DIRECTOR and CEO)

Annexure A

ISMO Bio-Photonics Private Limited

CIN:U33119TN2020PTC137798

IIT Madras Research Park, E Block, First Floor (RTBI),

Kanagam Road, Taramani- Chennai-600 113

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permission letter.

Date: 5.10.21

From:

K. KAVITHA,

ECE - IV - year,

St. Annas College CET
Anguchetti palaiyom.

To:

The HOD,

ECE Department,

St. Annas College CET
Anguchetti palaiyom.

Respected Sir,

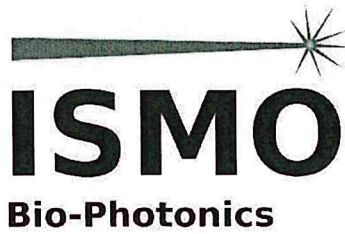
AS my lab key board AS been damage
In need a USB keyboard from our department.
I kindly request you to issue the USB
keyboard which I would return after completing
my internship at (IIT) madras. I assure
that I will return the keyboard enable condition

Thankyou

~~Sr. A~~ 5/10/21

Yours obediently,

K. Kavitha.



Date: 20/06/22

TO WHOMEVER IT MAY CONCERN

This is to certify that **Ms. KAVITHA K** (422118106302) from **St. Anne's college of Engineering and Technology** has successfully completed her Project on **"PCB Designing using ORCAD"** for the month of April 2022 to June 2022 with ISMO Bio-Photonics Pvt Ltd, IIT Madras Research Park.

A handwritten signature in black ink, appearing to read "Ikram Khan S I".

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