



ST. ANNE'S COLLEGE OF ENGINEERING AND TECHNOLOGY

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

ANGUCHETTYPALAYAM, PANRUTI – 607 106.

ACADEMIC YEAR

2019 - 2020

**PROBLEM SOLVING
METHODOLOGIES**



ST. ANNE'S COLLEGE OF ENGINEERING AND TECHNOLOGY
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ANGUCHETTYPALAYAM, PANRUTI – 607 106.

PROBLEM SOLVING METHODOLOGIES

ACADEMIC YEAR 2019-2020

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ANGUCHETTYPALAYAM, PANRUTI – 607 106.

MAIN 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

PROJECT BATCH LIST

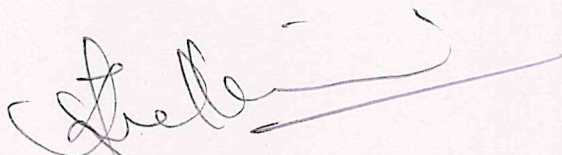
PERIOD: DEC 2019 – APRIL 2020


BATCH: 2016-2020

EAR/ SEMESTER: IV / VIII

S.NO	REGISTRATION NO. OF THE STUDENT	NAME OF THE STUDENT	TITLE OF THE PROJECT WORK	NAME OF THE GUIDE
1	422116104002	Abina.M	Accident Detection and Notification System using Android Application	Sr.Punitha Jilt, AP,
	422116104008	Babyshalini. S		
	422116104031	Sangavi.B		
	422116104033	Sathya.K		
2	422116104004	Anandharaj.P	Secure Authentication System at POS/ATM Terminal Using Machine Learning Algorithm	Mrs.D.Pauline Freeda, ASP,
	422116104018	Karthikeyan.D		
	422116104022	Logeshwaran.D		
3	422116104007	Arunkumar.V	Mobile Adhoc Network for Routing with Provenance and Verification	Mr. S. Rajarajan, AP,
	422116104010	Churchil John Amirtharaj.J		
	422116104034	Selva.R		
	422116104046	Thangarasu . T		
4	422116104011	Dhivya.S	A Secure Mutlicloud Storage System for Storing and Sharing Bigdata using Charon	Mr. S.Manavalan, ASP,
	422116104027	Nishanthi.R		
	422116104041	Suganya.N		
	422116104301	Keerthiga J		
5	422116104005	Aravind.E	Secure Data Sharing for Mobile Healthcare Social Network in Cloud Computing	Mr. S.Manavalan, ASP,
	422116104003	Agilan.A		
	422116104013	Gunaseelan S		
	422116104015	Juliatrafi. T		
6	422116104006	Arthi.R	Secure Data Group Sharing and Conditional Dissemination in Cloud Computing	Mrs.Z.Asmathunnisa, AP,
	422116104016	Kabila.B		
	422116104020	Lavanya.V		
	422116104050	Vijayadurga.V		

7	422116104019	Kayalvizhi.K	Trust Based E-Commerce Reviews Using Sentiment Similarity Analysis	Mrs.Z.Asmathunnisa, AP,
	422116104030	Ramya.T		
	422116104040	Subashini.V		
	422116104043	Susmitha.S		
8	422116104012	Gayathri.K	Detection of Finance Fraud Based on E-Commerce	Mr.N.Kumar, AP,
	422116104021	Leema Roseline.R		
	422116104044	Suwathi.V		
	422116104045	Thamilarasi.S		
9	422116104032	Sarita Nayak	Mobile Camera -Based Assistive Text and Product Label Reading Using Android for Blind Persons	Mr. S.Manavalan, ASP,
	422116104035	Selva Prasanna.S		
	422116104036	Shalini.V		
	422116104051	Vindhiya.M		
10	422116104023	Malarvizhi.S	Block Vote: An Aadhar Based Electronic Voting System using Blockchain	Mr.N.Kumar, AP,
	422116104037	Shamitha.A		
	422116104039	Srimathi.S		
	422116104052	Vinisha.A		
11	422116104001	Aarthi.V	Diagnosis of Plant Disease using Image Processing Technique	Mr.N.Kumar, AP,
	422116104029	Punitha Valli.V		
	422116104047	Thilagavathi.K		
	422116104303	Priya P		
12	422116104009	Chinnaiayan .C	AI Based on Human Health Care by using Chatbot in Android System and using Python Program	Mrs.Z.Asmathunnisa, AP,
	422116104026	Nirmal Raj.V		
	422116104028	Pugazhvarman.R		
	422116104048	Thirunavukarasu.A		


for **HOD**


4.1.23
PRINCIPAL

**ACCIDENT DETECTION AND RESCUE SYSTEM USING
ANDROID APPLICATION**

A PROJECT REPORT

Submitted by

M.ABINA	422116104002
S.BABYSHALINI	422116104008
B.SANGAVI	422116104031
K.SATHYA	422116104033

in partial fulfillment for the award of the degree

of

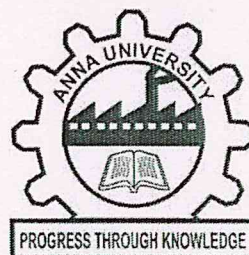
BACHELOR OF ENGINEERING

in

COMPUTER SCIENCE AND ENGINEERING

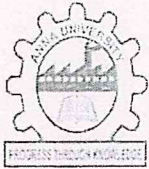


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APRIL 2020

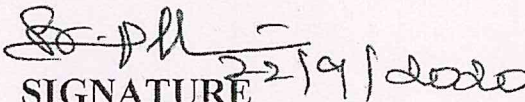


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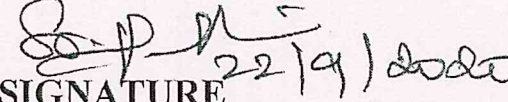


BONAFIDE CERTIFICATE

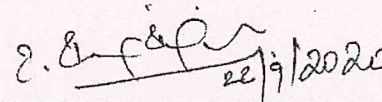
Certified that this project report "ACCIDENT DETECTION AND RESCUE SYSTEM USING ANDROID APPLICATION" is the bonafide work of "M.ABINA (422116104002), S.BABYSHALINI (422116104008), B.SANGAVI (422116104031), K.SATHYA (422116104033)" who carried out the project work under my supervision.

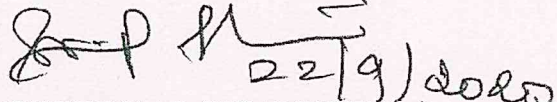

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INTERNAL EXAMINER


EXTERNAL EXAMINER

**SECURE AUTHENTICATION SYSTEM IN ATM/POS
TERMINAL USING MACHINE LEARNING
ALGORITHM**

A PROJECT REPORT

Submitted By

P. ANANDHARAJ	422116104004
D. KARTHIKEYAN	422116104018
D. LOGESHWARAN	422116104022

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

SEPTEMBER 2020

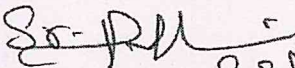


ANNA UNIVERSITY:CHENNAI 600 025



BONAFIDE CERTIFICATE

Certified that this project report “SECURE AUTHENTICATION SYSTEM IN ATM/POS TERMINAL USING MACHINE LEARNING ALGORITHM” is the bonafide work of “P. ANANDHARAJ (422116104004), D. KARTHIKEYAN (422116104018) D. LOGESHWARAN (422116104022)” who carried out the project work under my supervision.


SIGNATURE 22/9/2020

Sr. A. PUNITHA JILT, M. Tech.,
HEAD OF THE DEPARTMENT

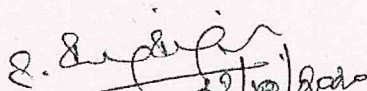
Department of Computer Science
and Engineering
St. Anne's College of Engineering
and Technology, Panruti.

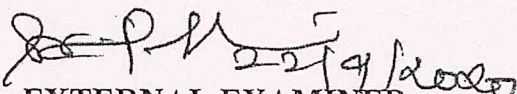

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Mrs. D. PAULINE FREEDA, M E.,
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Submitted for Project Viva- Voce Examination held on 22.09.2020


INTERNAL EXAMINER


EXTERNAL EXAMINER

**Mobile Ad hoc Networks for Routing with Provenance
and Verification**

A PROJECT REPORT

Submitted By

ARUN KUMAR .V 422116104007

CHURCHIL JOHN AMIRTHA RAJ .J 422116104010

SELVA .R 422116104034

THANGARASU .T 422116104046

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

MARCH 2020



ANNA UNIVERSITY:CHENNAI 600 025



BONAFIDE CERTIFICATE

Certified that this project report “**MOBILE AD HOC NETWORKS FOR ROUTING WITH PROVENANCE AND VERIFICATION**” is the bonafide work of “**ARUN KUMAR .V(422116104007) CHURCHIL JOHN AMIRTHA RAJ .J(422116104010) SELVA .R(422116104034) THANGARASU .T(422116104046)**” who carried out the project work under my supervision.

SIGNATURE

**Sr. A. PUNITHA JILT, M.Tech.,
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ASSISTANT PROFESSOR**

SUPERVISIOR

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and Technology,
Panruti - 607 110.

Submitted for Project Viva- Voce Examination held on ...22-09-2020...

INTERNAL EXAMINER
EXTERNAL EXAMINER

**A SECURE MULTI CLOUD STORAGE SYSTEM FOR
STORING AND SHARING BIGDATA USING CHARON**

A PROJECT REPORT

Submitted by

S.DHIVYA (422116104011)
R.NISHANTHI (422116104027)
N.SUGANYA (422116104041)
J.KEERTHIGA (422116104301)

in partial fulfillment for the award of the degree

of

BACHELOR OF ENGINEERING

IN

COMPUTER SCIENCE & ENGINEERING

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

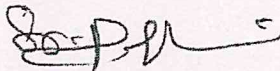
ANNA UNIVERSITY :: CHENNAI 600 025

SEPTEMBER 2020

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report “A SECURE MULTI CLOUD STORAGE SYSTEM FOR STORING AND SHARING BIGDATA USING CHARON ” is the bonafide work of “S.DHIVYA (422116104011), R.NISHANTHI (422116104027), N.SUGANYA (422116104041), J.KEERTHIGA (422116104301) ” who carried out the project work under my supervision.



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ASSOCIATE PROFESSOR

SUPERVISOR

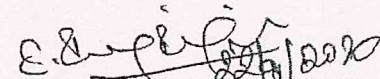
Computer Science and Engineering

St.Anne’s College of Engineering and

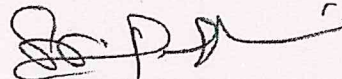
and Technology.

Panruti – 607 110.

Submitted for Project Viva – Voice Examination held on 22.9.2020



INTERNAL EXAMINER



EXTERNAL EXAMINER

**SECURED DATA SHARING FOR HEALTHCARE
SOCIAL NETWORK IN CLOUD COMPUTING**

A PROJECT REPORT

Submitted by

A. AGILAN	422116104003
E. ARAVIND	422116104005
S. GUNASEELAN	422116104013
T. JULIAT RAFI	422116104015

in partial fulfillment for the award of the degree

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COMPUTER SCIENCE AND ENGINEERING



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APRIL 2020



ANNA UNIVERSITY: CHENNAI 600 025



BONAFIDE CERTIFICATE

Certified that this project report “SECURE DATA SHARING FOR MOBILE HEALTHCARE SOCIAL NETWORK IN CLOUD COMPUTING” is the bonafide work of “AGILAN.A (422116104003), ARAVIN.E (422116104005), GUNASEELAN.S (422116104013), JULIAT RAFI.T (422116104015)” who carried out the project work under my supervision.

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SUPERVISOR

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Panruti - 607 106.

Submitted for Project Viva- Voce Examination held on 22.09.2020.

INTERNAL EXAMINER

EXTERNAL EXAMINER

**SECURE GROUP DATA SHARING AND CONDITION
DISSEMINATION WITH CLOUD COMPUTING**

A PROJECT REPORT

Submitted by

PRESENTED BY

R.ARTHI (422116104006)

B.KABILA (422116104016)

V.LAVANYA (422116104020)

V.VIJAYADURGA (422116104050)

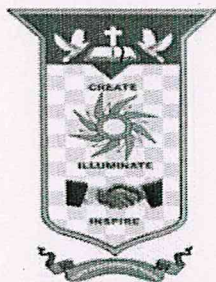
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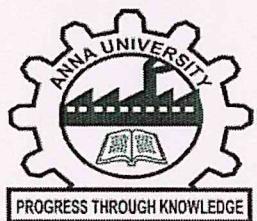
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COMPUTER SCIENCE AND ENGINEERING



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ANNA UNIVERSITY: CHENNAI 600 025

APRIL 2020

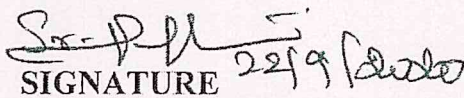


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Certified that this project report "SECURE GROUP DATA SHARING AND CONDITION DISSEMINATION WITH CLOUD COMPUTING" is the bonafide work of "ARTHIR (422116104006), KABILA.B (422116104016), LAVANYA.V (422116104020), VIJAYADURGA.V (422116104050) who carried out the project work under my supervision.


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Sr. A. PUNITHA JILT, M.Tech.,

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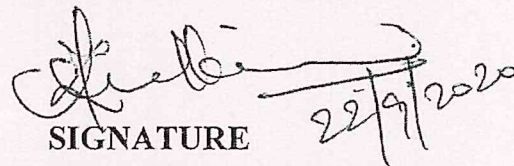
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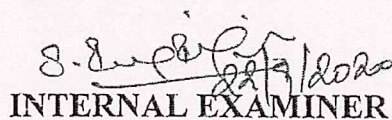
Computer Science and Engineering,

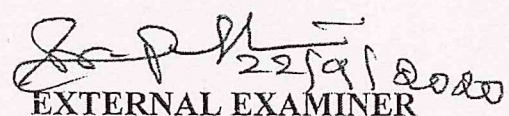
St.Anne's College of Engineering

and Technology,

Panruti - 607 106.

Submitted for Project Viva- Voce Examination held on 22.9.2020


INTERNAL EXAMINER


EXTERNAL EXAMINER

**TRUST BASED E-COMMERCE REVIEWS USING
SENTIMENT SIMILARITY ANALYSIS**

A PROJECT REPORT

Submitted by

K.KAYALVIZHI	422116104019
T.RAMYA	422116104030
V.SUBASHINI	422116104040
S.SUSMITHA	422116104043

In partial fulfillment for the award of the degree

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BACHELOR OF ENGINEERING

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COMPUTER SCIENCE AND ENGINEERING



ST.ANNE'S COLLEGE OF ENGINEERING AND TECHNOLOGY



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MARCH 2020

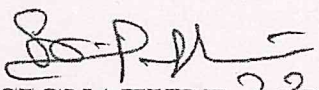


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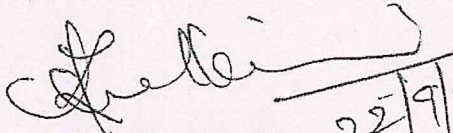


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Certified that this project “TRUST BASED ON E-COMMERCE REVIEWS USING SENTIMENT SIMILARITY ANALYSIS” is the bonafide work of “K.KAYALVIZHI(422116104019),T.RAMYA(422116104030),V.SUBASHI NI(422116104040),S.SUSMITHA(422116104043)” who carried out the project work under my supervision.



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Panruti.

Submitted for Project Viva – Voice Examination held on 22.9.2020


INTERNAL EXAMINER


EXTERNAL EXAMINER

Detection of financial Fraud based on E-Commerce

A PROJECT REPORT

Submitted by

K. GAYATHRI	422116104012
R. LEEMA ROSELINE	422116104021
V. SUWATHI	422116104044
S. THAMILARASI	422116104045

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APRIL 2020



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Certified that this project report “Detection of Financial Fraud based on E-Commerce” is the bonafide work of “K. GAYATHRI (422116104012), R.LEEMA ROSELINE (422116104021), V. SUWATHI (422116104044), S. THAMILARASI (422116104045)” who carried out the project work under my supervision.

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Submitted for Project Viva- Voce Examination held on 22.09.2020.

INTERNAL EXAMINER

EXTERNAL EXAMINER

**MOBILE CAMERA-BASED ASSISTIVE TEXT AND
PRODUCT LABEL READING USING ANDRIOD FOR
BLIND PERSONS
PROJECT REPORT**

Submitted by

SARITA NAYAK	422116104032
SELVA PRASANNA.S	422116104035
SHALINI.V	422116104036
VINDHIYA.M	422116104051

**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

MARCH 2020

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "MOBILE CAMERA BASED ASSISTIVE TEXT AND PRODUCT LABEL READING USING ANDROID FOR BLIND PERSON"

is the bonafide work of " SARITA NAYAK(42211604032), SELVA PRASANNA.S (422116104035), SHALIN.V(422116104036), VINDHIYA.M(422116104051) "

who carried out the project work under my supervision.



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St .Anne's College of Engineering
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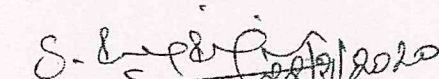


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and Technology
Panruti - 607110

Submitted for Project Viva- Voce Examination held on ..22.9.2020



INTERNAL EXAMINER



EXTERNAL EXAMINER

BLOCKVOTE: AN AADHAR BASED ELECTRONIC VOTING SYSTEM USING BLOCKCHAIN

A PROJECT REPORT

Submitted by

S. MALARVIZHI	422116104023
A. SHAMITHA	422116104037
S. SRIMATHI	422116104039
A. VINISHA	422116104052

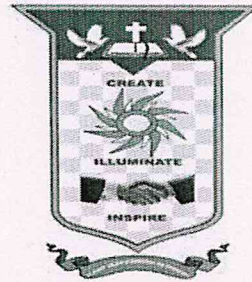
in partial fulfillment for the award of the degree

of

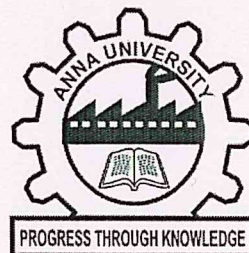
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in

COMPUTER SCIENCE AND ENGINEERING



ST. ANNE'S COLLEGE OF ENGINEERING AND TECHNOLOGY



ANNA UNIVERSITY: CHENNAI 600 025

APRIL 2020



ANNA UNIVERSITY: CHENNAI 600 025



BONAFIDE CERTIFICATE

Certified that this project report “BLOCKVOTE: AN AADHAR BASED ELECTRONIC VOTING SYSTEM USING BLOCKCHAIN” is the bonafide work of “MALARVIZHI.S (422116104023), SHAMITHA.A (422116104037), SRIMATHI.S (422116104039), VINISHA.A (422116104052) who carried out the project work under my supervision.

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Sr. A. PUNITHA JILT, M.Tech.,

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Submitted for Project Viva- Voce Examination held on 22.09.2020.

INTERNAL EXAMINER

EXTERNAL EXAMINER

**PLANT DISEASE DETECTION USING IMAGE
PROCESSING TECHNIQUE**

A PROJECT REPORT

Submitted by

V.AARTHI	422116104001
V.PUNITHAVALLI	422116104029
K.THILAGAVATHI	422116104047
P.PRIYA	422116104303

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

MARCH 2020

ANNA UNIVERSITY:CHENNAI 600 025

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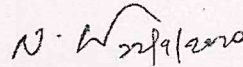
Certified that this project report “DIAGNOSIS OF PLANT DISEASE USING IMAGE PROCESSING TECHNIQUE” is the bonafide work of “V.AARTHI (422116104001), V.PUNITHAVALLI (422116104029), K.THILAGAVATHI (422116104047), P.PRIYA(422116104303)” , who carried out the project work under my supervision.



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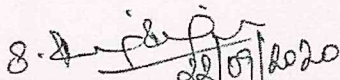


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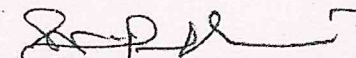
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Submitted for Project Viva- Voce Examination held on 22.09.2020



INTERNAL EXAMINER



EXTERNAL EXAMINER

**ARTIFICIAL INTELLIGENCE BASED ON HUMAN
HEALTHCARE USING CHATBOT**

A PROJECT REPORT

Submitted By

THIRUNAVUKARASU A	(422116104047)
CHINNAIYAN C	(422116104009)
PUGAZH VARMAN R	(422116104026)
NIRMAL RAJ R	(422116104025)

In partial fulfillment for the award of the degree

Of

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ST.ANNE'S COLLEGE OF ENGINEERING AND TECHNOLOGY

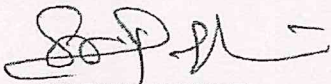
ANNA UNIVERSITY : CHENNAI 600 025

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Certified that this project report “AI BASED ON HUMAN HEALTH CARE BY USING CHATBOT IN ANDROID SYSTEM ” is the bonafide work of “THIRUNAVUKARASU A (422116104047), CHINNAIYAN C (422116104009), PUGAZHVARMAN R (422116104026), NIRMAL RAJ R (422116104025)” who carried out the project work under my supervision.



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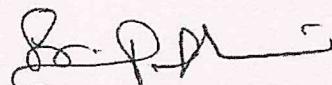
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Panruti - 607 110.

Submitted for Project Viva- Voce Examination held on 22.9.2020



INTERNAL EXAMINER



EXTERNAL EXAMINER



ST. ANNE'S

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

PROJECT BATCH LIST

2016-2020 BATCH

Sl.No	Register no	Name of the student	Name of the guide	Title of the Project	Related to Curriculum /Subject
1	422116105015	Kalpana K	SR. ANNAI THERESA	A novel 31 level asymmetrical cascaded multilevel inverter	POWER ELECTRONICS
	422116105020	Nirmala M			
	422116105033	Subisya B			
2	422116105002	Archana A	MS. M. PREMALATHA	Performance analysis of stand alone pv system using FLC.	RENEWABLE ENERGY
	422116105003	Balashanthini B			
	422116105014	Kabila R			
	422116105029	Santhini J			
3	422116105006	DenishArokiya Raj P	MR. J. RAMESH	Nocturnal solar energy system using IR transmitter	RENEWABLE ENERGY
	422116105022	Pasupathi P			
	422116105026	Rajkumar R			
	422116105302	Amithan.G			
4	422116105030	Satishkumar M	MR. K. SRIRAM	Experimental study on a semi active battery supercapacitor hybrid energy storage system forelectric vehicle application	RENEWABLE ENERGY
	422116105301	AjithKumar.D			
	422116105303	DuraiPandiyam.E			
	422116105304	Kaviyarasan			
5	422116105005	Chandru M	MR. A. RICHARD PRAVIN	Design of solar powered agriculture pump using dual output Buck Boost converter	POWER ELECTRONICS
	422116105007	Dhinakaran K			
	422116105017	Livenpartten A			
	422116105021	Parthiban B			
6	422116105009	Gnanavel S		Novel cascade multilevel	

**A NOVEL 31 LEVEL ASYMMETRICAL CASCADED
MULTILEVEL INVERTER**

A PROJECT REPORT

Submitted by

KALPANA .K	422116105015
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In partial fulfilment for the award of the degree

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BACHELOR OF ENGINEERING

IN

ELECTRICAL AND ELECTRONICS ENGINEERING

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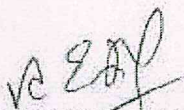
ANNAUNIVERSITY::CHENNAI 600025

APRIL 2020

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "A NOVEL 31 LEVEL ASYMMETRICAL CASCADED MULTILEVEL INVERTER" is the bonafide work of "KALPANA.K, NIRMALA.M, SUBISHYA.B," who carried out the project work under my supervision.

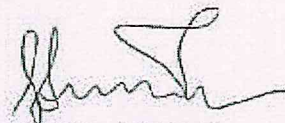

SIGNATURE

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Sr. Annai Theresa

SUPERVISOR

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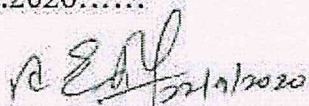
Department of Electrical and
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INTERNAL EXAMINER

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V.C. EUGIN MARTIN RAJ
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**PERFORMANCE IMPROVEMENT OF STAND-
ALONE PHOTOVOLTAIC SYSTEM USING FUZZY
LOGIC CONTROLLER**

A PROJECT REPORT

Submitted by

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BALASHANTHINI.B	422116105003
KABILA.R	422116105014
SANTHINI.J	422116105029

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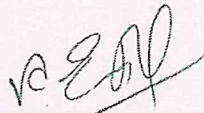
ANNAUNIVERSITY::CHENNAI 600025

SEPTEMBER 2020

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this Project Report "PERFORMANCE IMPROVEMENT OF STAND-ALONE PHOTOVOLTAIC SYSTEM USING FUZZY LOGIC CONTROLLER" is the bonafide work of "ARCHANA. A, BALASHANTHINI. B, KABILA. R, SANTHINI. J" who carried out the Project work under my Supervision.



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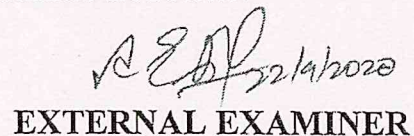
St. Anne's College of
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Submitted for the university examination held on ...22.09.2020.....



INTERNAL EXAMINER

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**NOCTURNAL SOLAR ENERGY USING IR
TRANSMITTER**

A PROJECT REPORT

Submitted by

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DENISH AROKIYA RAJ .P	422115105006
PASUPATHI .P	422115105022
RAJKUMAR .R	422115105026

In partial fulfilment for the award of the degree

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ANNAUNIVERSITY::CHENNAI 600025

SEPTEMBER 2020

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "NOCTURNAL SOLAR ENERGY USING IR TRANSMITTER" is the bonafide work of "AMITHAN.G, DENISH AROKIYA RAJ.P, PASUPATHI.P, RAJKUMAR.R" who carried out the project work under my supervision.


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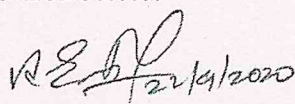
Department of Electrical and
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**EXPERIMENTAL STUDY ON A SEMI ACTIVE
BATTERY-SUPERCAPACITOR HYBRID ENERGY
STORAGE SYSTEM FOR ELECTRIC VEHICLE
APPLICATION**

A PROJECT REPORT

Submitted by

SATHISHKUMAR.M	422116105030
AJITHKUMAR.D	422116105301
DURAIPANDIAN.E	422116105303
KAVIARASAN.A	422116105304

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SEPTEMBER 2020

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BONAFIDE CERTIFICATE

Certified that this project report "EXPERIMENTAL STUDY ON A SEMI ACTIVE BATTERY-SUPERCAPACITOR HYBRID ENERGY STORAGE SYSTEM FOR ELECTRIC VEHICLE APPLICATION" is the bonafide work of "SATHISHKUMAR.M, AJITHKUMAR.D, DURAIPANDIAN.E, KAVIARASAN.A" who carried out the project work under my supervision..


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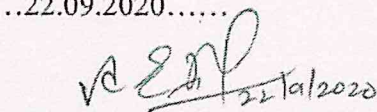
Department of Electrical and
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Submitted for the university examination held on ...22.09.2020.....


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**DESIGN OF SOLAR POWERED AGRICULTURE
PUMP USING DUAL OUTPUT BUCK BOOST
CONVERTER**

A PROJECT REPORT

Submitted by

CHANDRU. M	422116105005
DHINAKARAN. K	422116105007
LIVENPARTTEN. A	422116105017
PARTHIBAN. B	422116105021

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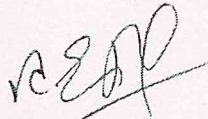
ANNA UNIVERSITY :: CHENNAI 600 025

SEPTEMBER 2020

ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "DESIGN OF SOLAR POWERED AGRICULTURE PUMP USING DUAL OUTPUT BUCK BOOST CONVERTER" is the bonafide work of "M. CHANDRU, K. DHINAKARAN, A. LIVENPARTTEN, B. PARTHIBAN" who carried out the project work under my supervision.



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A. Richard Pravin

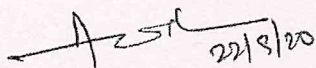
SUPERVISOR

Assistant Professor

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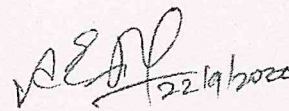
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NOVEL CASECADE MULTILEVEL CONVERTER
BASED ON FIVE LEVEL-CELLS FOR BATTERY
ENERGY MANAGEMENT APPLIED ELECTRIC
VEHICLES

A PROJECT REPORT

Submitted by

GNANAVEL.S	422116105009
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SRIRAM.G	422116105031

in partial fulfillment for the award of the degree

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ST. ANNE'S COLLEGE OF ENGINEERING AND TECHNOLOGY

ANNA UNIVERSITY:: CHENNAI 600 025

SEPTEMBER 2020

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "NOVEL CASECADE MULTILEVEL CONVERTER BASED ON FIVE LEVEL-CELLS FOR BATTERY ENERGY MANAGEMENT APPLIED ELECTRIC VEHICLES" is the bonafide work of "GNANA VEL.S, KARTHICK.P, SRIRAM.G" who carried out the project work under my supervision.

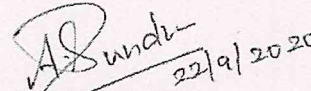

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A. Sundara Pandiyan

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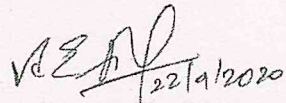
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Submitted for the university examination held on ...22.09.2020.....


INTERNAL EXAMINER

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**MODULAR MULTILEVEL CONVERTER BASED
VARIABLE SPEED DRIVE WITH REDUCED
CAPACITOR RIPPLE VOLTAGE**

A PROJECT REPORT

Submitted by

MAHAVISHNU.S	422116105019
RAJAMOORTHY.R	422116105025
SURESH.T	422116105035

in partial fulfillment for the award of the degree

of

BACHELOR OF ENGINEERING

in

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ANNA UNIVERSITY :: CHENNAI 600 025

SEPTEMBER 2020

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "MODULAR MULTILEVEL CONVERTER BASED VARIABLE SPEED DRIVE WITH REDUCED CAPACITOR RIPPLE VOLTAGE" is the bonafide work of "MAHAVISHNU.S RAJAMOORTHY.R SURESH.T" who carried out the project work under my supervision.

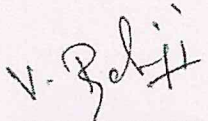

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Panruti.


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V. Balaji

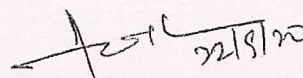
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Assistant Professor


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INTERNAL EXAMINER

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**A SINGLE PHASE TRANSFORMER
LESS INVERTER FOR PV APPLICATION
WITH REDUCED THD AND LEAKAGE
CURRENT ELIMINATION**

A PROJECT REPORT

Submitted by

ELUMALAI.R	422116105008
JAGATHEESAN.A	422116105012
MAGIMAI XAVI THOMAS.Y	422116105018
PUSHPANATHAN.G	422116105023

in partial fulfillment for the award of the degree

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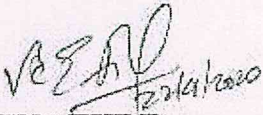
ANNA UNIVERSITY :: CHENNAI 600 025

SEPTEMBER 2020

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "A SINGLE PHASE TRANSFORMER LESS INVERTER FOR PV APPLICATION WITH REDUCED THD AND LEAKAGE CURRENT ELIMINATION" is the bonafide work of "PUSHPANATHAN.G, ELUMALAI.R, JAGATHEESAN.A, MAGIMAI XAVI THOMAS.Y" who carried out the project work under my supervision.



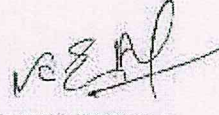
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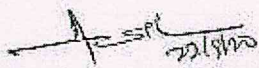
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INTERNAL EXAMINER

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EXTERNAL EXAMINER

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ANGUCHETTYPALAYAM, PANRUTI – 607 106.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

BATCH LIST

PERIOD: DEC-19 – MAY 2020 BATCH: 2016-2020 YEAR/ SEMESTER: IV / VIII

S.NO	REGISTER NO.	NAME OF THE STUDENTS	NAME OF THE GUIDE	TITLE OF THE PROJECT
1	422116106001	Abarna K	Mrs. D. Umamaheswari, ASP	Design and Implementation of Automatic system for early detection of Diabetic using Retinal Images
2	422116106019	Jayalakshmi J		
3	422116106029	Preetha S		
4	422116106035	Shalini S		
5	422116106016	Iswarya E	Ms. M. Sahini Priya, AP	Smart Gardening system using LoRa Technology
6	422116106024	Kousalya R		
7	422116106030	Preethiba A		
8	422116106037	Sumithi Melinda C		
9	422116106008	Chandiralekha P	Mr. S. Durai Raj, AP	Design and Analysis of Microstrip Patch Antenna using Jute Material
10	422116106014	Elakkiya S		
11	422116106018	Jasmindiana S		
12	422116106023	Kaviselvi R		
13	422116106007	Banupriya E	Mr. V. Venkatesan, AP	Design of 8-bit Multiplier using Gate Diffusion Input Technique
14	422116106011	Dhanavanthini S		
15	422116106015	Elayadharshini R		
16	422116106033	Saranya R		
17	422116106009	Delphina Mary P	Mr. R. Radhakrishnan, AP	Mobile based Voice prescription for Health Care System
18	422116106028	Pino Deepa M		
19	422116106032	Santhiya S		
20	422116106036	Shanthini S		
21	422116106020	Joachim Daniel S	Mr. S. BalaBasker, ASP	Autonomous Fire fighting and Rescue Robot using IOT
22	422116106038	Vijayaraj M		
23	422116106502	Vignesh Kumar. S		
24	422116106004	Ajithkumar A	Mr. S. BalaBasker, ASP	IOT Based Baby Monitoring Smart Cradle
25	422116106006	Balamurali M		
26	422116106013	Dilippandiyam N		
27	422116106022	Kavin K		
28	422116106005	Arokia Thomas F	Mrs. D. Umamaheswari, ASP	Innovative hybrid Image processing technique for diagnosing Diabetic Retinopathy
29	422116106031	Ragupathy R		
30	422116106501	Thinakaran. K		
31	422116106303	Sivaguru R		

32	422116106021	Kalaiselvan S	Mr. S. Durai Raj, AP	Design and Analysis of Microstrip Antenna with different slots for WiMax Applications
33	422116106025	Mohamed Sidick A		
34	422116106304	Vignesh G		
35	422116106305	Yuvan Shankar Raja A		
36	422116106002	Adhikesavan R	Mr. B. Arun Kumar, AP	Warning System for Drivers
37	422116106010	Dhamodaran R		
38	422116106027	Parthipan R		
39	422116106302	Sethulal S		

PROJECT BUDGET

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**DESIGN AND IMPLEMENTATION OF AUTOMATIC
SYSTEM FOR EARLY DETECTION OF DIABETIC
USING RETINAL IMAGES**

A PROJECT REPORT

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Certified that this project report "DESIGN AND IMPLEMENTATION OF AUTOMATIC SYSTEM FOR EARLY DETECTION OF DIABETIC USING RETINAL IMAGES" is the bonafide work of K.ABARNA (422116106001), J.JAYALAKSHMI(422116106019), S.PREETHA (422116106029),S.SHALINI (422116106035) who carried out the project work under my supervision.

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**SMART GARDENING SYSTEM USING LoRa
TECHNOLOGY**

A PROJECT REPORT

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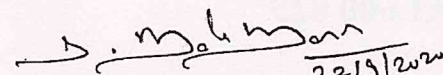
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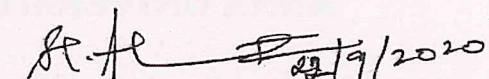
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DESIGN AND ANALYSIS OF MICROSTRIP SQUARE SLOT PATCHANTENNA USING JUTE MATERIAL

A PROJECT REPORT

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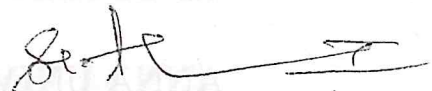


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**DESIGN OF 8-BIT MULTIPLIER USING FULL SWING
GATE DIFFUSION INPUT (GDI) TECHNIQUE
A PROJECT REPORT**

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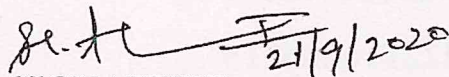
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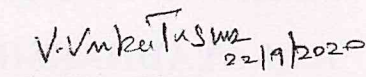
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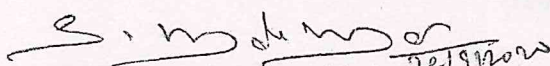

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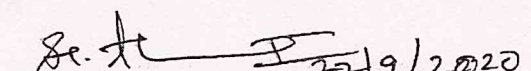
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SMART FLUID LEVEL MONITORING AND CONTROLLING SYSTEM

A PROJECT REPORT

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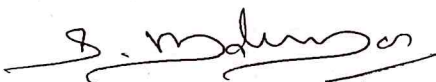
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**AUTONOMOUS FIRE FIGHTING AND RESCUE ROBOT
USING INTERNET OF THINGS**

A PROJECT REPORT

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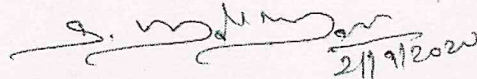
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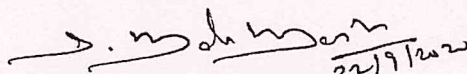

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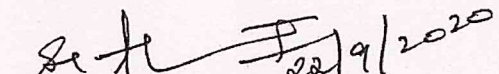

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**INTERNET OF THINGS BASED BABY MONITORING
SMART CRADLE**

A PROJECT REPORT

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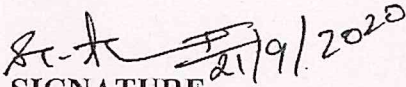
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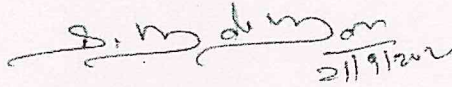
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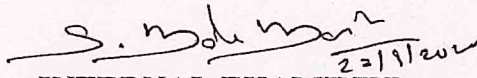

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**INNOVATIVE HYBRID IMAGE PROCESSING
TECHNIQUE FOR DIAGNOSIS FROM DIABETIC
RETINOPATHY**

A PROJECT REPORT

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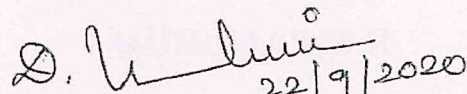

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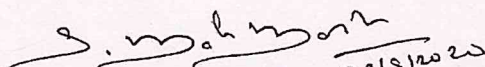
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**DESIGN AND ANALYSIS OF E-SLOT
RECTANGULAR PATCH ANTENNA USING
COAXIAL FEED FOR WIMAX LOWER BAND
APPLICATIONS**

A PROJECT REPORT

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WARNING SYSTEM FOR DRIVERS

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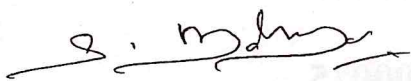
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YEAR/SEM: IV/VIII

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	422116114040	Sethuraman. A		
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2	422116114033	Rajamurugan. S	Characterization Of Aluminium7075/Sic/Tic Hybrid Composites	Dr.D.Ommurugadhasan Professor &Head Department Of Mechanical.
	422116114042	Varadharaj. A		
	422116114046	Vimalraj. V		
3	422116114001	AgilanM	Preparation Of Hybrid Polymer Composite Materials	Mr.T.Elangovan., Assistant Professor, Department Of Mechanical.
	422116114006	Bharath.B		
	422116114009	Dinesh Kumar M		
4	422116114003	Albrit S	Wear Behaviour Of Aluminium 7075 Alloy CoatedWith Ws2/Cu Using Electro Discharge Coating	Mr.K. ShanmugaElango Assistant Professor, Department Of Mechanical.
	422116114008	Dinesh M		
	422116114024	Nathinraj S		
5	422116114010	Edwinraj P	Surface Analysis And Mechanical Behaviour Of Polysiloxane Coating OnAlloy Steel Substrate	Mr.K. Saravanan., Assistant Professor, Department Of Mechanical.
	422116114026	Prakash A		
	422116114032	Rajamani T		
6	422116114020	Kalairasigan.D	Performance Analysis Of Manufacturing Ws2/CuComposite By Powder Metallurgy Route	Mr.K. ShanmugaElango Assistant Professor, Department Of Mechanical.
	422116114034	Rajan.M		
	422116114035	Rajkumar.A		
7	421116114012	Gunaseelan B	Versatile Intelligent Robotic ArmWith Object Detection Andsorting	MrR.Sasikumar Assistant Professor, Department Of Mechanical.
	421116114022	Mirzahasan H		

	421116114028	Pratheep T		
8	422116114029	Pugazenti.G	Design And Fabrication Of ParabolicSolar Water Heater	Mr.P.Murugan Assistant Professor, Department Of Mechanical.
	422116114030	Ragulraj.M		
	422116114302	Lingeswaran.K.B		
9	422116114019	John Maneesh A	Prediction Of Surface Roughness And Metal Removal Rate Of En8 Steel ByTaguchi Approach	Dr.R.Arokiadass Professor Department Of Mechanical
	422116114027	Ram Kumar R		
	422116114036	Prasanth A		
10	422116114023	Mohan Raj.B	Performance Analysis Of Manufacturing Wc/CuComposite By Powder Metallurgy Route	Mr.R.Jayakumar Assistant Professor, Department Of Mechanical.
	422116114037	Salethraj.S		
	422116114044	Vetrivel.S		
11	422116114002	Ajeeth Kumar M	Investigation Of Thermal Properties Of Hybrid Composite Polymer	Mr.T.Elangovan., Assistant Professor, Department Of Mechanical.
	422116114013	GunaSekaran D		
	422116114014	GunaSekaran S		
12	422116114018	Manikandan S	Characterization And Surface Analysis On Electroless Ni-P Coating Process On En – 8Steel	Mr.K. Saravanan., Assistant Professor, Department Of Mechanical.
	422116114043	Velan Kumar S		
	422116114045	Vignesh M S		
13	422116114007	Charan P	Performance And EmissionCharacteristics Of Diesel Engine Fueled By Chicken Fat Bio Diesel	MrR.Sasikumar Assistant Professor, Department Of Mechanical.
	422116114016	Jayachandran S		
	422116114301	Gokul A		
14	422116114004	Arulkumar K	Fabrication And MechanicalCharacterization Of Al-Si10cu3 Alloy With Boron Carbide	Mr.P.Murugan Assistant Professor, Department Of Mechanical.
	422116114305	Surendharkumar N		
	422116114501	Sathishkumar M		


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PRINCIPAL

**MECHANICAL BEHAVIOR OF AL 7075- T6
HYBRID COMPOSITES**

A PROJECT REPORT

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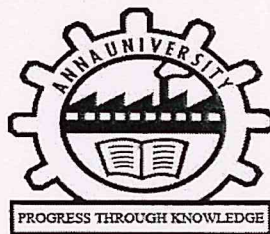
In partial fulfilment for the award of the degree

of

BACHELOR OF ENGINEERING

IN

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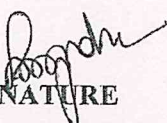


ANNA UNIVERSITY: CHENNAI 600025

SEP 2020

BONAFIDE CERTIFICATE

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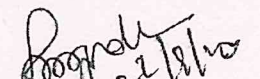
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Submitted for project viva voce examination held on 22.9.2020


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**CHARACTERIZATION OF ALUMINIUM
7075/SIC/TIC HYBRID COMPOSITES**

A PROJECT REPORT

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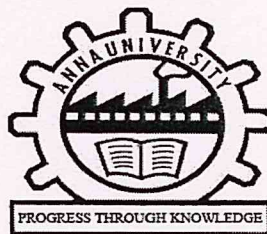
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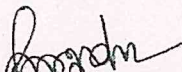


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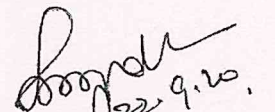
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K. Sengodan
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22.9.20.
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**PREPARATION OF HYBRID POLYMER COMPOSITE
MATERIALS**

A PROJECT REPORT

Submitted by

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B.BHARATH	422116114006
M.DINESH KUMAR	422116114009

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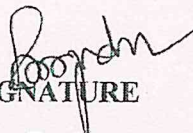
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APRIL 2020

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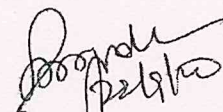
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K. Sharyash
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**WEAR BEHAVIOUR OF ALUMINIUM 7075 ALLOY COATED
WITH WS₂/Cu USING ELECTRO DISCHARGE COATING**

A Project Report

Submitted by

S.ALBRIT (422116114003)

M.DINESH (422116114008)

S.NATHINRAJ (422116114024)

in partial fulfilment for the award of the degree

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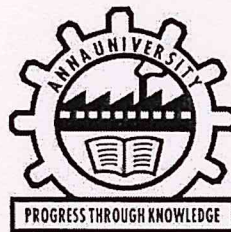
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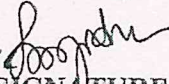


ANNA UNIVERSITY: CHENNAI 600 025

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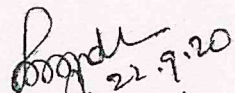
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Submitted for project viva-voice examination held on 22.9.2020


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**SURFACE ANALYSIS AND MECHANICAL
BEHAVIOUR OF POLYSILOXANE COATING ON
ALLOY STEEL SUBSTRATE**

A PROJECT REPORT

Submitted by

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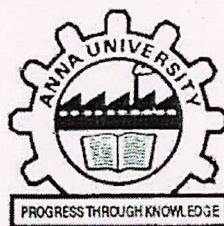
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DEPARTMENT OF MECHANICAL ENGINEERING

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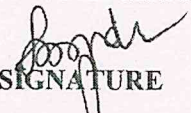
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April 2020

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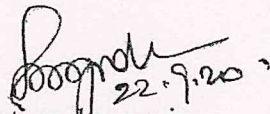
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**PERFORMANCE ANALYSIS OF MANUFACTURING WS₂/Cu
COMPOSITE BY POWDER METALLURGY ROUTE**

A PROJECT REPORT

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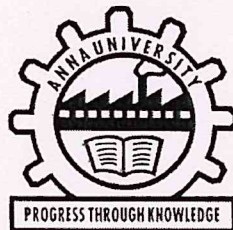
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ANNA UNIVERSITY: CHENNAI 600 025

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BONAFIDE CERTIFICATE

Certified that this project report “**PERFORMANCE ANALYSIS OF MANUFACTURING WS₂/Cu COMPOSITE BY POWDER METALLURGY ROUTE**” is the bonafide work of **KALAIRASIGAN.D (422116114020), RAJKUMARA.A (422116114035) and RAJAN.M (422116114034)** who carried out the project under my supervision.



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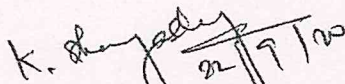
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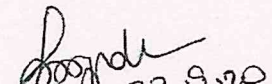
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**VERSATILE INTELLIGENT ROBOTIC ARM
WITH OBJECT DETECTION AND SORTING
A PROJECT REPORT**

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H.MIRZAHASAN (421116114022)

T.PRATHEEP (421116114028)

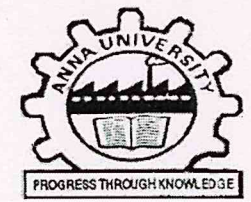
In partial fulfillment for the award of the degree

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IN

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ST.ANNE'S COLLEGE OF ENGINEERING AND

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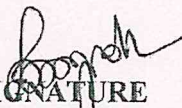
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APRIL 2020

BONAFIDE CERTIFICATE

Certified that the project report “VERSATILE INTELLIGENT ROBOTIC ARM WITH OBJECT DETECTION AND SORTING” is the bonafide work of GUNASEELAN B, MIRZAHASAN H and PRATHEEP T who carried out the project work under my supervision. Certified further that to the best of my knowledge the work reported here does not form part of any other thesis or dissertation on the basis of which a degree or award was conferred on an earlier occasion on this or any other candidate.



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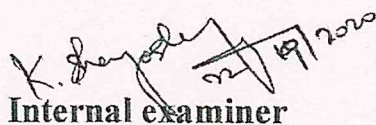
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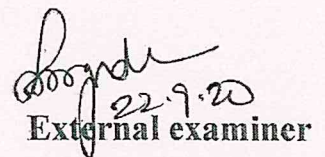
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DESIGN AND FABRICATION OF PARABOLIC SOLAR WATER HEATER

A PROJECT REPORT

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RAGULRAJ.M (422116114030)

LINGESWARAN.K.B (422116114302)

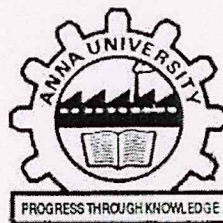
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April 2020

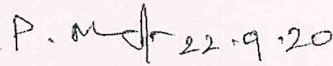
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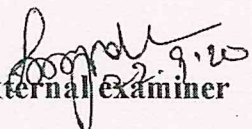
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External examiner

**PREDICTION OF SURFACE ROUGHNESS AND
METAL REMOVAL RATE OF EN8 STEEL BY
TAGUCHI APPROACH**

A PROJRCT REPORT

Submitted by

**A.PRASANTH (422116114027)
R.RAM KUMAR (422116114036)
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In partial fulfillment for the award of the degree

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in

MECHANICAL ENGINEERING



**ST.ANNE'S COLLEGE OF ENGINEERING AND TECHNOLOGY-
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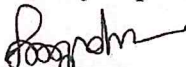
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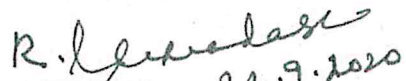
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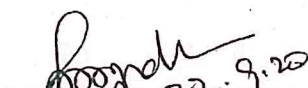
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**PERFORMANCE ANALYSIS OF MANUFACTURING WC/Cu
COMPOSITE BY POWDER METALLURGY ROUTE**

A Project Report

Submitted by

MOHAN RAJ.B

(422116114023)

SALETHRAJ.S

(422116114037)

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in partial fulfilment for the award of the degree

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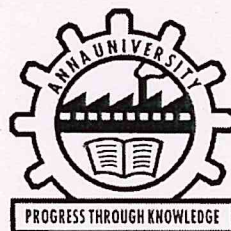
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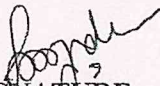


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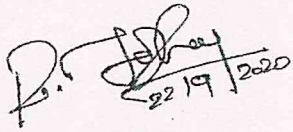
APRIL 2020

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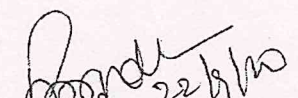
Dr. D. Ommurugadhasan M.E., Ph.D.,
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Panruti-607110

Submitted for project viva-voice examination held on 22.09.2020


Internal examiner


External examiner

**INVESTIGATION OF THERMAL PROPERTIES OF
HYBRID COMPOSITE POLYMER**

A PROJECT REPORT

Submitted by

M.AJEETH KUMAR	422116114002
D.GUNA SEKARAN	422116114013
S.GUNA SEKARAN	422116114014

in partial fulfillment for the award of the degree

of

BACHELOR OF ENGINEERING

in

MECHANICAL ENGINEERING

ST.ANNE'S COLLEGE OF ENGINEERING AND TECHNOLOGY

ANGUCHETTYPALAM, PANRUTI-607 106

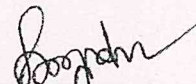
ANNA UNIVERSITY: CHENNAI 600 025

APRIL 2020

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "INVESTIGATION OF THERMAL PROPERTIES OF HYBRID COMPOSITE POLYMER" is the bonafide work of "M.AJEETH KUMAR (422116114002), D.GUNA SEKARAN (422116114013), S.GUNA SEKARAN (422116114014)" who carried out the project work under my supervision.



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Dr. D. Ommurugadhasan M.E., Ph.D.,
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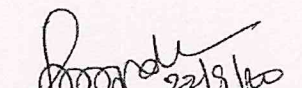
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Submitted for project viva voce examination held on 22.9.20



Internal examiner



External examiner

**CHARACTERIZATION AND SURFACE ANALYSIS ON
ELECTROLESS Ni-P COATING PROCESS ON EN – 8
STEEL**

A PROJECT REPORT

Submitted by

MANIKANDAN A (422116114021)

VELAN KUMAR S (422116114043)

VIGNESH M S (422116114345)

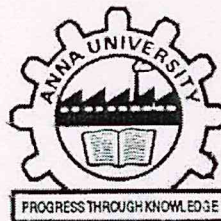
in partial fulfillment for the award of the degree

of

BACHELOR OF ENGINEERING

IN

MECHANICAL ENGINEERING



DEPARTMENT OF MECHANICAL ENGINEERING

ST.ANNE'S COLLEGE OF ENGINEERING AND TECHNOLOGY

ANGUCHETTY PALAYAM, PANRUTI 607 106

ANNA UNIVERSITY : CHENNAI 600 025

April 2020

ANNA UNIVERSITY : CHENNAI 600 025

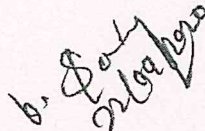
BONAFIDE CERTIFICATE

Certified that the Project report about "CHARACTERIZATION AND SURFACE ANALYSIS ON ELECTROLESS Ni-P COATING PROCESS ON EN - 8 STEEL" is a bonafide work of MANIKANDAN S (422116114018), VELAN KUMAR S (422116114043) and VIGNESH M S (422116114045) who carried out the project work under my supervision.



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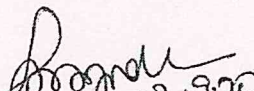
Dr. D. Ommurugadhasan M.E., Ph.D.,
Professor & Head,
Department of Mechanical Engineering
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Panruti-607110



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Submitted for project viva voce examination held on 22.9.20.


22/9/20
Internal examiner
22.9.20
External examiner

**PERFORMANCE AND EMISSION
CHARACTERISTICS OF DIESEL ENGINE
FUELLED BY CHICKEN FAT BIO DIESEL**

A PROJECT REPORT

Submitted by

CHARAN P (422116114007)

JAYACHANDRAN S (422116114016)

GOKUL A (422116114301)

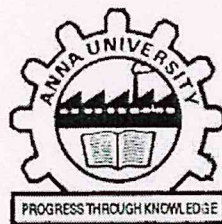
in partial fulfillment for the award of the degree

of

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IN

MECHANICAL ENGINEERING



DEPARTMENT OF MECHANICAL ENGINEERING

ST. ANNE'S COLLEGE OF ENGINEERING AND

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ANGUCHETTY PALAYAM, PANRUTI 607 106

ANNA UNIVERSITY: CHENNAI 600 025

April 2020

ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that the Project report about “PERFORMANCE AND EMISSION CHARACTERISTICS OF DIESEL ENGINE FUELLED BY CHICKEN FAT BIO DIESEL” is a bonafide work of CHARAN P (422116114007), JAYACHANDRAN S (422116114016) and GOKUL A (422116114301) who carried out the project work under my supervision.



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

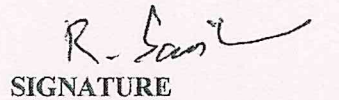
Professor & Head,

Department of Mechanical Engineering

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SIGNATURE

Mr. R. Sasikumar. M.E.,

Asst Professor & Project Guide,

Department of Mechanical Engineering

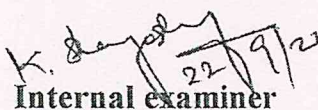
St. Anne's college of engineering &

Technology

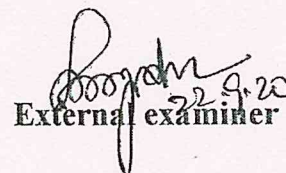
Panruti-607110

Submitted for project viva voce examination held on

22-9-20



Internal examiner



External examiner

**FABRICATION AND MECHANICAL
CHARACTERIZATION OF Al-Si10Cu3 ALLOY
WITH BORON CARBIDE**

A PROJECT REPORT

Submitted by

K.ARULKUMAR (422116114004)

N.SURENDHARKUMAR (422116114305)

M.SATHISHKUMAR (422116114501)

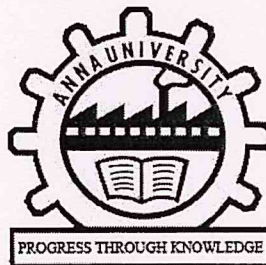
In partial fulfilment for the award of the degree

of

BACHELOR OF ENGINEERING

IN

MECHANICAL ENGINEERING




ANNA UNIVERSITY: CHENNAI 600025

SEP 2020

BONAFIDE CERTIFICATE

Certified that this project report "FABRICATION AND MECHANICAL CHARACTERIZATION OF Al-Si10Cu3 ALLOY WITH BORON CARBIDE " is the bonafide work of K.ARULKUMAR (422116114004), N.SURENDHARKUMAR (422116114305) and M.SATHISHKUMAR (422116114501) who carried out the project under my supervision.



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

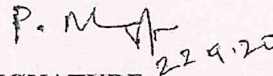
Professor & Head,

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Mr. P. Murugan M.E.,

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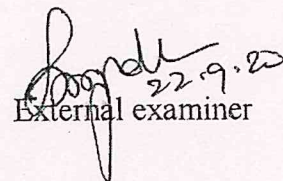
Technology

Panruti-607110

Submitted for project viva voce examination held on 22.9.20



K. Shanmugan
22/9/20
Internal examiner



22.9.20
External examiner



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

ANGUCHETTYPALAYAM, PANRUTI – 607 106.

INTERNAL SMART INDIA HACKTHON

Organisers



Platinum Partner

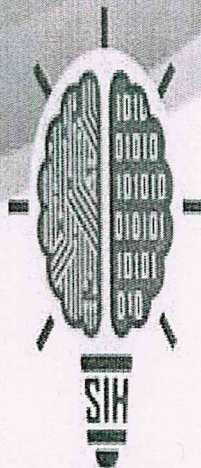


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**SMART INDIA
HACKATHON
2020**

**Internal Hackathon for
Smart India Hackathon 2020**

Organized by

Research and Development Cell

on 07.02.2020 @ R&D cell

Partners



DEVNET KPIT

Communication Partner



An internal hackathon for Smart India Hackathon 2020

LIST OF PARTICIPANTS

DATE : 07.02.2020

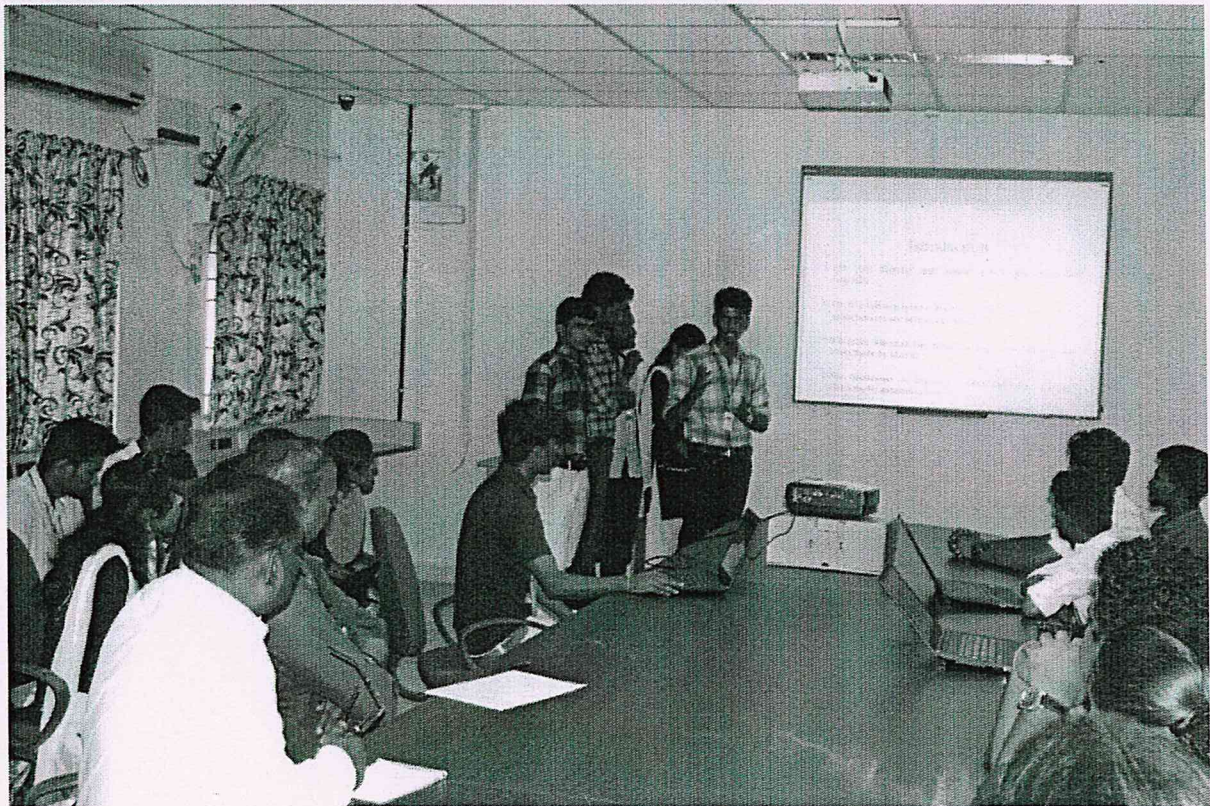
SL.NO.	BATCH MEMBERS	PROJECT TITLE
1	Nirmala.M	IoT based Smart bottle for Healthcare- AD356 /Hardware
	Kalpana.K	
	Subishya.B	
2	Santhini.J	Authenticating User while performing transaction at ATM/POS Terminal Securely /Software /NH447
	Archana.A	
	Kabila.R	
	Bala Shanthini.B	
3	Pushpanathan.G	Firefighting through high resistance robots/ Hardware/ AG53
	Magimai Xavior Thomas. Y	
	Elumalai.R	
	Jagathesan.A	
4	Rajkumar.R	Firefighting through high resistance robots/ Hardware/ AG53
	Pasupathi.P	
	Denish arokiyaraj.P	
	Amithan.G	
5	M.Balamurali	IoT based Smart bottle for Healthcare- AD356/ Hardware
	K.Kavin	
	A.Ajith Kumar	
	N.Dilip Pandiyan	
6	E.Ishwarya	Firefighting through high resistance robots/ Hardware/ AG53
	R.Kousalya	
	A.Preethipa	
	C.Sumathi Melinda	
7	S.Vigenesh kumar	Firefighting through high resistance robots/ Hardware/ AG53
	S.Jochim Daniel	
	M.Vijay Raj	
8	E.Banupriya	IoT based Smart bottle for Healthcare- AD356/ Hardware
	S.Dhanavanthini	
	R.Elayadharshini	
	R.Saranya	
9	A.Prashanth	Authenticating User while performing transaction at
	A.John Maneesh	

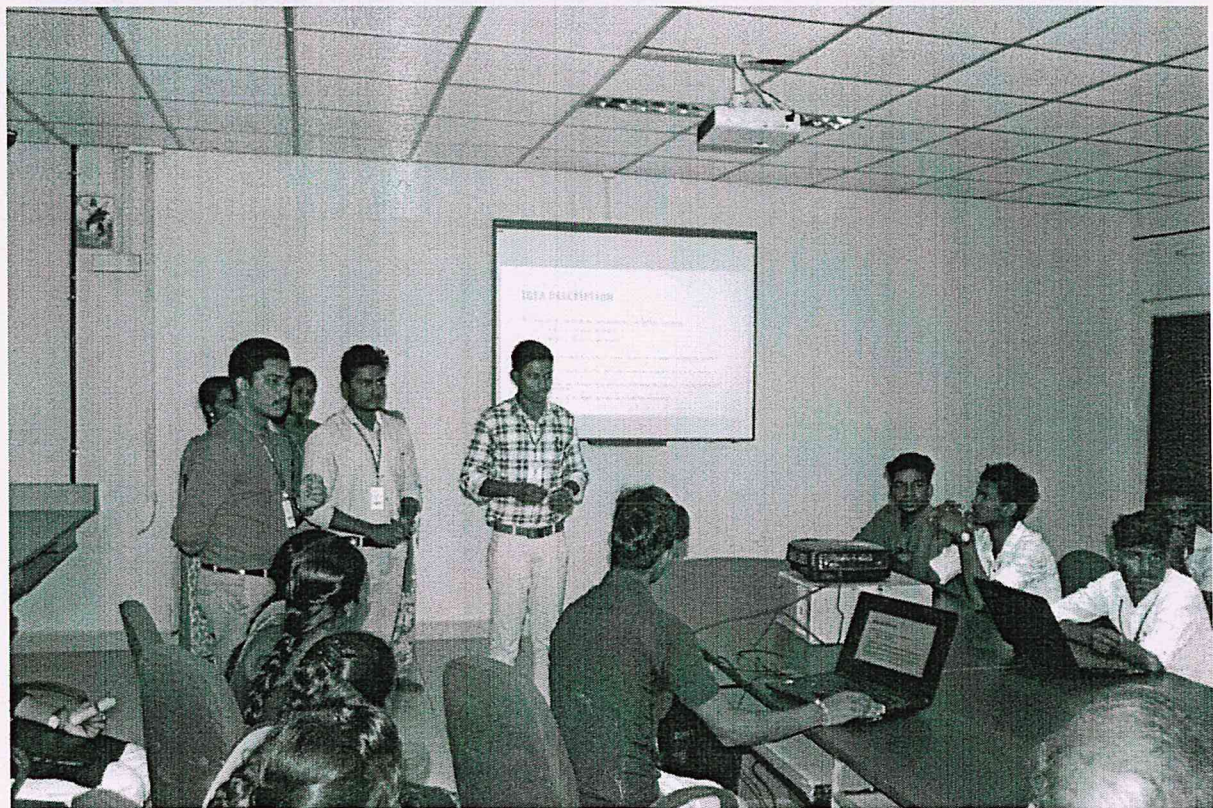
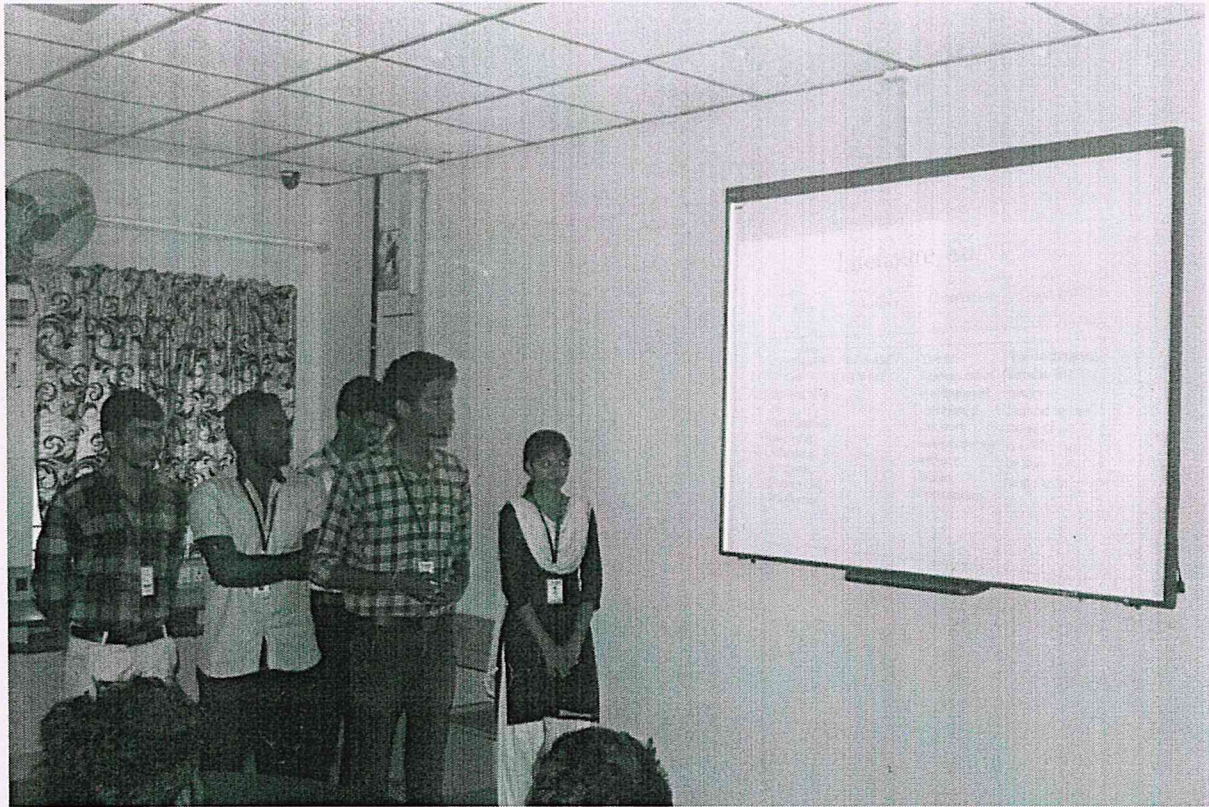
Smart India Hackathon 2020

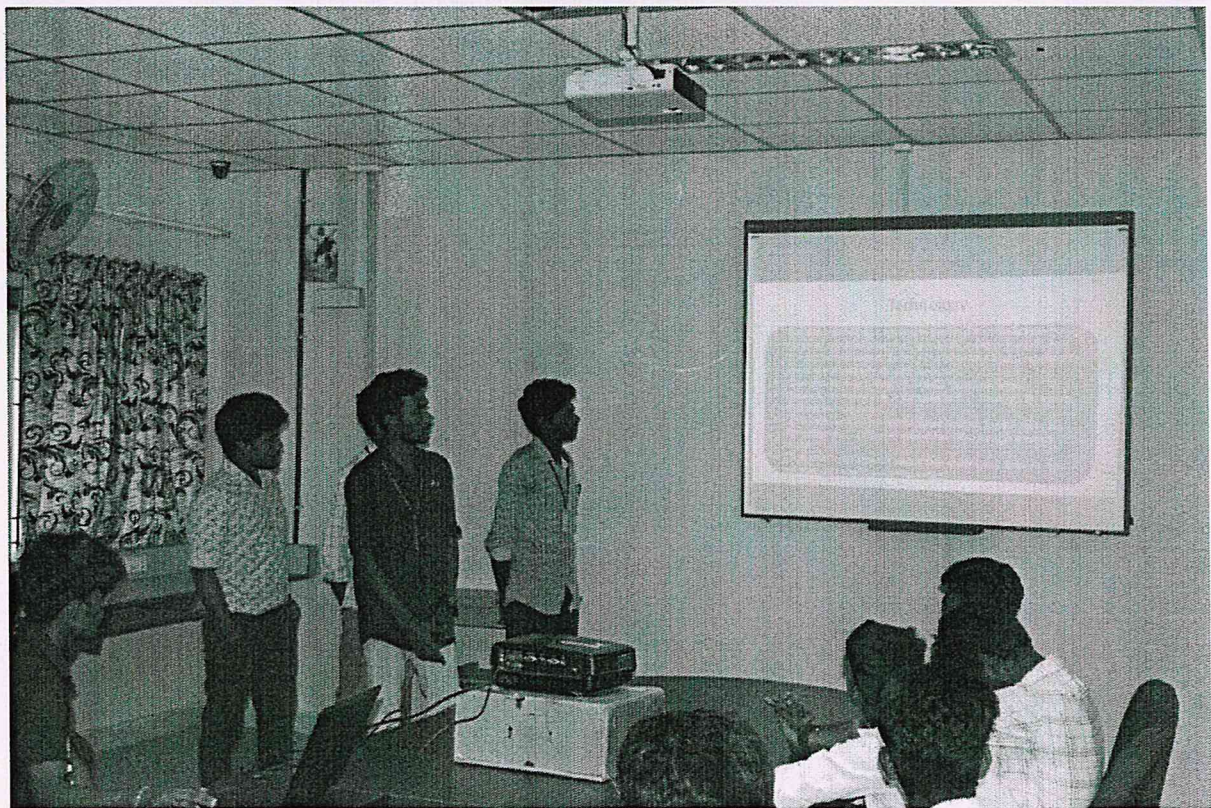
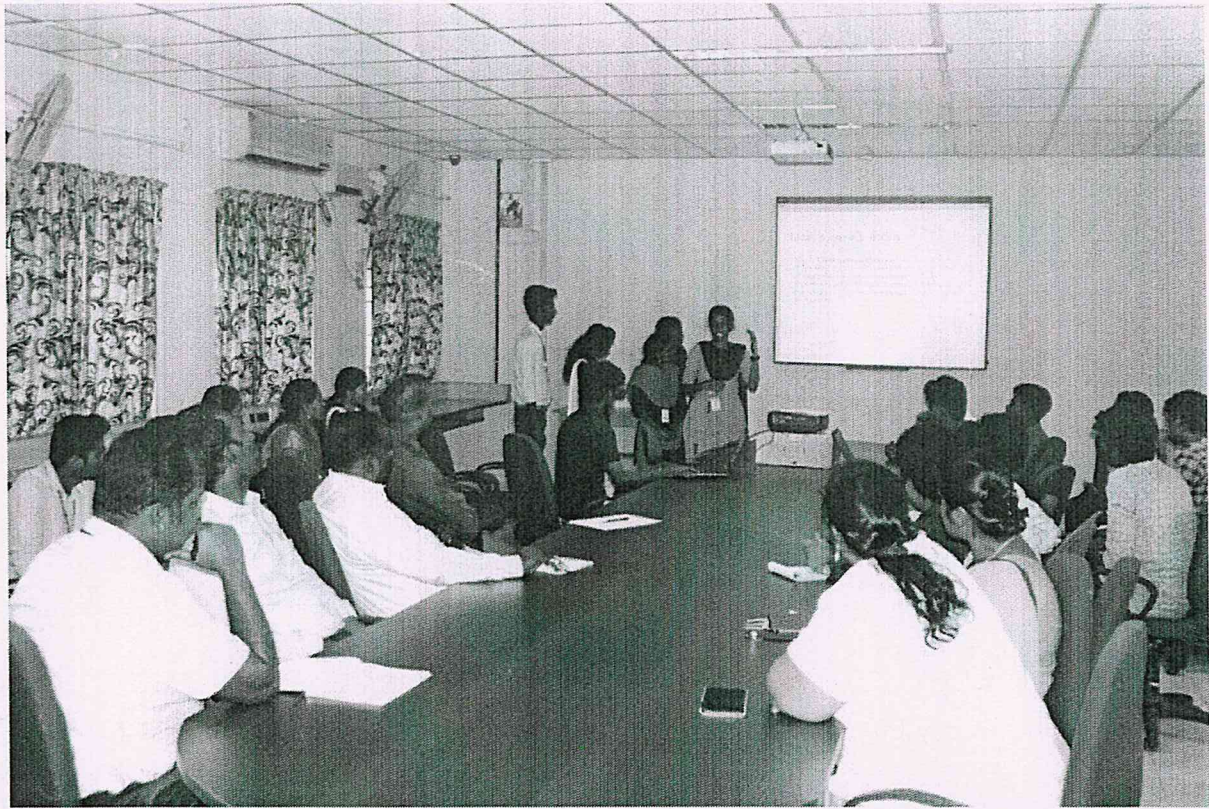


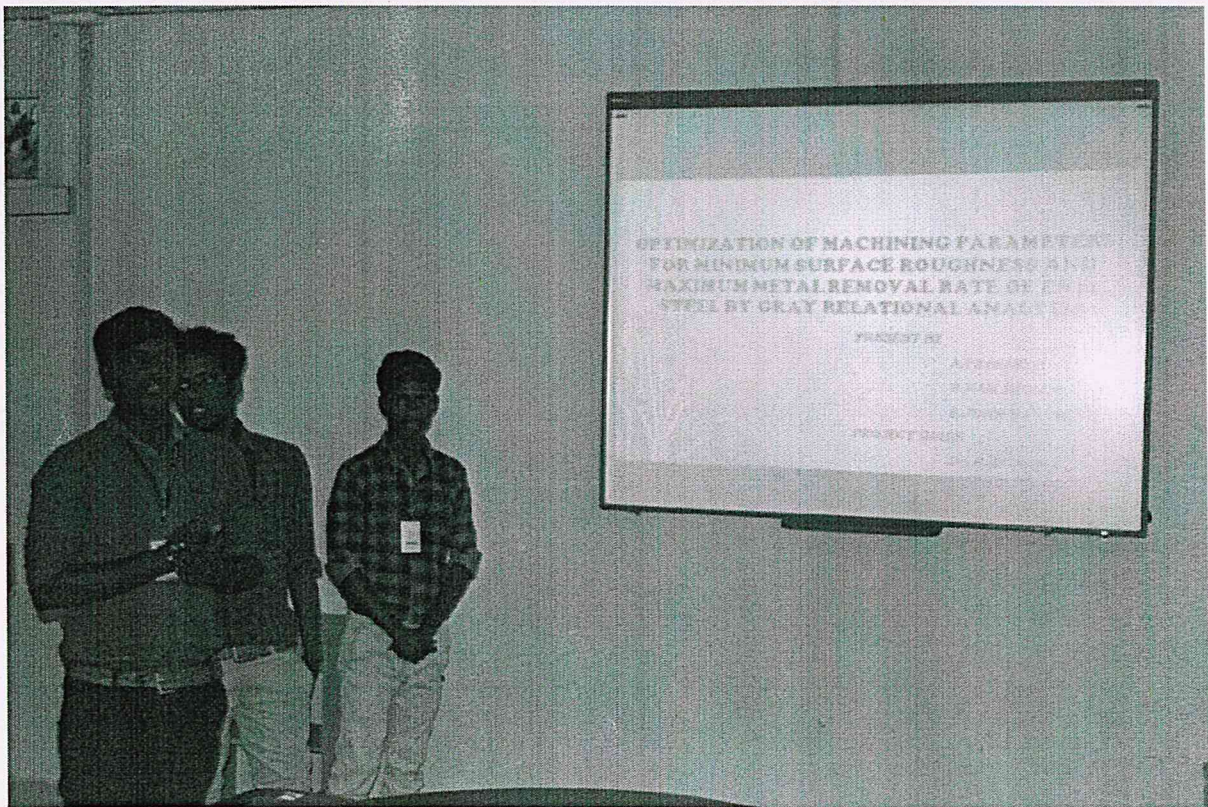
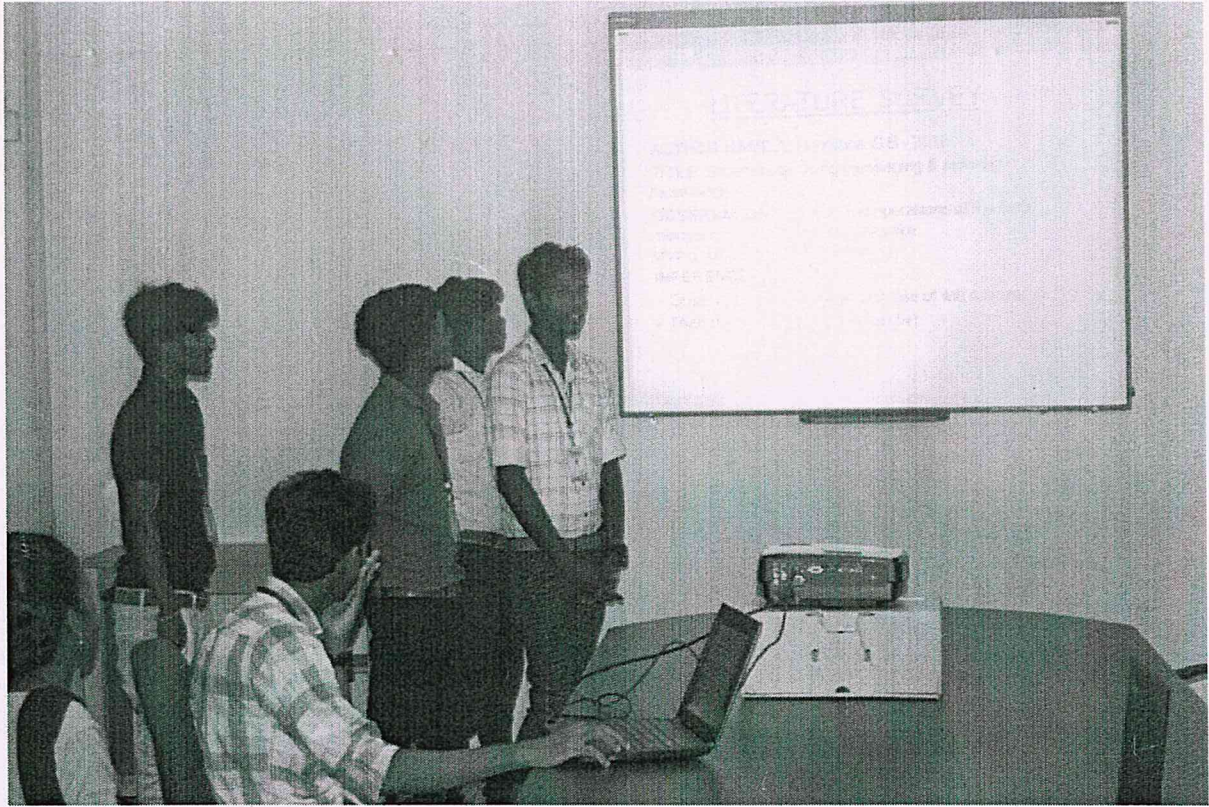
An internal hackathon for Smart India Hackathon 2020 was organized by Institute Innovation o-cell on 07.02.2020 at 2.00 pm in Research and Development Cell. Dr. R. Arokiadass, Principal, Mr. S. Rajarajan, Asst. Professor/CSE and Dr. A. John Peter, HOD/S&H were the jury of the Hackathon. Students from various department like Mechanical Engineering, Electrical and Electronics Engineering, Electronics and communication Engineering and Computer Science engineering had participated in the Hackathon. Totally 13 batches presented their projects based on the problem statements (AG53-03, UK149-02, AD356-05, NH447-01, innovation-02) given by the MHRD. Mentors or innovation ambassadors had participated and foot forth their ideas for the betterment of the projects. Out of it, 6 batches have been selected by the internal scrutinizing committee for representing the college in the grand finale of Smart India Hackathon (SIH) 2020. The selected teams are AG53-01, UK149, AD356-01, NH447-01, innovation-02, which are nominated for the grand finale SIH2020.

R. Arokiadass
Dr. R. AROKIADASS, M.E., Ph.D.,
Principal,
St. Anne's College of Engineering & Technology,
ANGUCHETTYPALAYAM,
Siruvathur-(Post), Panruti-(T.k),
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ANGUCHETTYPALAYAM, PANRUTI – 607 106.

PROJECT CONTEST



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COLLEGE OF ENGINEERING AND TECHNOLOGY

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MHRD'S
INNOVATION CELL
(GOVERNMENT OF INDIA)

National Science Day



INSTITUTION'S
INNOVATION
COUNCIL
(Ministry of HRD Initiative)

"I am the master of my failure.
If I never fail how will I ever learn"

— Sir CV Raman



Organized by Research and Development Cell

Date: Thursday, 28th February, 2020 | Time: 10:00AM Onwards | Venue: Research and Development Cell

National Science Day 2020
“STUDENT PROJECT CONTEST“
LIST OF PARTICIPANTS

Date : 28.2.2020

SL.NO.	BATCH MEMBERS	PROJECT TITLE	GUIDE NAME
1	Nirmala.M	A Novel 31 Level Aysmmertrical Cascaded Multilevel Inveter	Sr.Annai Teresa
	Kalpana.K		
	Subishya.B		
2	Santhini.J	Performance analysis of stand alonepv system using FLC	Ms.Premalatha
	Archana.A		
	Kabila.R		
	Bala Shanthini.B		
3	Pushpanathan.G	A single phase transformerless inverter for photovoltaic application with reduced THD and leakage current eliminatination	Mr.V.C.Eugin Martin Raj
	Magimai Xavior Thomas. Y		
	Elumalai.R		
	Jagathesan.A		
4	Rajkumar.R	Nocturnal solar energy system using IR transmitter	Mr.J.Ramesh
	Pasupathi.P		
	Denish arokiyaraj.P		
	Amithan.G		
5	M.Balamurali	Internet of things Based Baby monitoring Smart Cradle	Mr.S.Balabasker
	K.Kavin		
	A.Ajith Kumar		
	N.Dilip Pandiyan		
6	E.Ishwarya	Smart Gardening Systems using LORA Technology	Ms.M.Sahini Priya
	R.Kousalya		
	A.Preethipa		
	C.Sumathi Melinda		
7	S.Vigenesh kumar	Autonomous fire fighting and rescue using IOT	Mr.S.Bala Basker
	S.Jochim Daniel		
	M.Vijay Raj		
8	E.Banupriya	Design of 8 bit multiplier using Gate Diffusion Input Technique	Venkatesan
	S.Dhanavanthini		
	R.Elayadharshini		
	R.Saranya		
9	A.Prashanth	Optimization of Machine parametres fot minimum surface roughness and maximum metal removal rate of En-8 di steel by using Grey relational analysis method	Dr.R.Arokia dass
	A.John Maneesh		
	R.Ram kumar		
	A.Sujith Raj		

10	S.Albrit	Performance of Analysis of Manufacturing WS2/Cu powder metallurgy route	Mr.K.Shanmuga Elango
	A.Raj Kumar		
	D.Kalairasigan		
11	S.Srimathi	Blockvote- An Aadhar Based Electronic Voting System using Blockchain	Ms.V.Varalakshmi
	A.Shamitha		
	A.Vinisha		
	S.Malarvizhi		
12	P.Anandhraj	Secure Authentication System in ATM/POS Terminals	Mrs. D.Pauline Freeda
	D.Logeswaran		
13	Thirunavakarasu	AI based Human Healthcare using Chatbox	Mr. S.Rajarajan
	Chinnayan		
	Pugazhvarman		
	Nirmal Raj		
14	R.Leema Roseline	Detection of financial fraud based on E-Commerce	Mrs.Z.Asmathunnisa
	K.Gayathri		
	V.Suwathi		
	S.Thamizharasi		

R. Aradi

Dr. R. AROKIADASS, M.E., Ph.D.,
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ANGUCHETTYPALEM,
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Cuddalore-(Dist), Pin. 607 110.

STUDENT PROJECT CONTEST 2020



To mark the celebration of National Science Day 2020 and with a view to the promotion of new ideas in the existing technology and its application in a smart built environment St. Anne's College of Engineering and Technology, AICTE, MHRD Institute Innovation Cell & Research and Development Cell organized a one day STUDENT PROJECT CONTEST 2020 on 28th February, 2020.

The main goal of "STUDENT PROJECT CONTEST" is to acknowledge students with emerging ideas in this fascinating and expanding world of science and engineering and to provide a technical background for all the students from different streams with a perfect stage to showcase their technical expertise. Thus this festival manifests the conglomeration of talent, intellect, innovative and competitive spirit of the students.

The Technical Paper Presentation event hosted a total of 14 teams from varied engineering backgrounds, with an emphasis on the branches of Computer, Electronics, Electrical and Mechanical Engineering. The event commenced at 10 a.m. After the felicitation of the judges, with the participating teams eager to present their ideas and innovations. It was indeed a sea of brilliance, as team after another came forward armed with incredible, original prototypes, research papers and advancements. Fielding questions after questions by the judges, the participants displayed their undying thirst for knowledge, whilst showcasing their immense interest and the astonishing amount of effort and research put into each of their individual presentations.

Conservation of energy is the need of the hour, and a number of teams took it upon themselves to come up with innovative solutions to help curb the ongoing energy crisis, with ideas that leaned towards energy efficiency, renewable sources of energy and brought to light other viable options and alternatives. Overall it was a great learning experience for everyone. The 4 prize winners were presented with certificates.

As a part of the programme, Technical lectures on the very emerging topics were delivered. LoRa WAN technology by Mr. S. Balabasker, Associate professor, Department of ECE. Virtual Reality by Mrs. Z. Asmathunnisa, Assistant professor, Department of CSE. Moreover, they strongly recommended the students of St. Anne's CET to remain curious and become good observers of daily natural and scientific phenomena.

R. Arora
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Principal,
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Cuddalore-(Dist), Pin. 605 002.