

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Course: B.E

Subject Code: EE8611

Staff Name: Mrs. V. Chandra & Mr. T. Hari Prasath

Sub. Name: Mini Project

Academic Year: 2020-21(Even Sem)

Class/Sem: III EEE / VI Sem.

Regulation 2017

L T P C: 0 0 4 2

OBJECTIVES:

- To develop their own innovative prototype of ideas.
- To train the students in preparing mini project reports and examination.

The students in a group of 5 to 6 works on a topic approved by the head of the department and prepares a comprehensive mini project report after completing the work to the satisfaction. The progress of the project is evaluated based on a minimum of two reviews.

The review committee may be constituted by the Head of the Department. A mini project report is required at the end of the semester. The mini project work is evaluated based on oral presentation and the mini project report jointly by external and internal examiners constituted by the Head of the Department.

TOTAL: 60 PERIODS

OUTCOMES:

On Completion of the mini project work students will be in a position to take up their final year project work and find solution by formulating proper methodology.



Staff In Charge



HoD/EEE

MINI PROJECT BATCH LIST

S. No	Name of the Student	Reg. No	Roll. No	Project Title	Guide Name
1	M.Muthunayagam	920418105024	18UEEE001	Development of Pumping Motor Protection System	Dr.D.Prince Winston
2	P.Sudharsun	920418105034	18UEEE008		
3	M.Mohamed Kaseem	920418105022	18UEEE025		
4	M.Malathi	920418105019	18UEEE021	Home Automation Using Node MCU and BLYNK	Dr.S.Kalyani Mr.D Mariappan
5	B.R.Kerthiga	920418105017	18UEEE029		
6	P.Shanmukipriyadharshini	920418105032	18UEEE004		
7	V.Durgalakshmi	920418105009	18UEEE023	Contactless Tachometer using Arduino	Mrs.C.Naga Devi Mrs. S.Vimala Devi
8	K.Subhashini	920418105033	18UEEE022		
9	A.S.Dona Mol	920418105008	18UEEE028		
10	H.Akchaya Devi	920418105002	18UEEE032	Smart Agriculture Technology 5.0 using Arduino	Mrs.V.Chandra Dr.J.Jeslin Drusila Nesamalar
11	U.Karthicka	920418105016	18UEEE014		
12	M.Devisridhivyadharshini	920418105006	18UEEE020	Solar Power Monitoring System Based on IoT using ESP32	Dr.J.Jeslin Drusila Nesamalar Mrs.V.Chandra
13	M.Saranya	920418105031	18UEEE013		
14	S.Mathumeena	920418105020	18UEEE009		
15	K.Harish Kumar	920418105015	18UEEE002	Simulation and Modelling of Lead Acid Battery	Dr.B.Guru Karthik Babu
16	M.Manimaran	920418105302	18UEEE040		
17	P.Pothiraj	920418105304	18UEEE041		
18	S.Sivakumar	920418105306	18UEEE039	General Purpose Remote Based Home Automation	Dr.M.Sudalaimani
19	B.Mahendran	920418105301	18UEEE038		
20	B.Rajasekaran	920418105029	18UEEE024	Design of Voltage Generator using Photovoltaic Cell	Dr.S.Rajesh Babu
21	S.Benet Asir	920418105004	18UEEE012	Secured IoT based Monitoring and	Mr.K.Ganesan
22	B.Petchi Raja	920418105303	18UEEE037		



Staff In Charge



HoD/EEE

S. No	Name of the Student	Reg. No	Roll. No	Project Title	Guide Name
23	S.Abdul Fahad	920418105001	18UEEE031	Controlling of Micro Grid	
24	A.Dhanaseelan	920418105007	18UEEE003	RF Based Secure Door Lock System for Aged and Physically Challenged Persons	Mr.R.Ganesan
25	S.Hariharan	920418105013	18UEEE007		
26	P.Lingesh Dhanaraj	920418105018	18UEEE030		
27	S.Mohamed Mathar Hussain	920418105023	18UEEE017	Automatic Headlight Controller	Ms.R.Reenu
28	J.Anto Vimal	920418105003	18UEEE019		
29	P.Narayana Prabhu	920418105025	18UEEE011		
30	B.Raj Kumar	920418105030	18UEEE026	Voice Controlled Home Automation	Mr.T.Hari Prasath
31	S.Velmurugan	920418105035	18UEEE015		
32	M.Hariprasad	920418105014	18UEEE018		
33	S.Mohamed Bazith	920418105021	18UEEE006	Home Automation Using Labview	Mr.S.Jegan
34	R.Raj Kumar	920418105305	18UEEE042		
35	P.Vimal	920418105036	18UEEE027		
36	K.Deepak	920418105005	18UEEE035	Automatic Control of Water Pumping System	Mr.A.Karthikyan
37	J.Nivith Kumar	920418105028	18UEEE034		
38	D.Gaaviyan	920418105010	18UEEE010		
39	A.Hameed Raja	920418105011	18UEEE033	Automatic Sensor Sanitizer	Mrs.B.Noorul Hamitha Mr.Azarudeen
40	R.Hari	920418105012	18UEEE036		



Staff In Charge



HoD/EEE

DEVELOPMENT OF PUMPING MOTOR PROTECTION SYSTEM

A MINI-PROJECT REPORT

Submitted by

M.MOHAMED KASEEM -920418105022

M.MUTHUNAYAGAM -920418105024

P.SUDHARSUN -920418105034

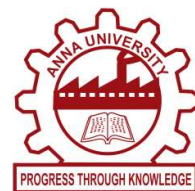
In partial fulfillment for the award of the degree

of

BACHELOR OF ENGINEERING

in

ELECTRICAL AND ELECTRONICS ENGINEERING



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

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JUNE 2021

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BONAFIDE CERTIFICATE

Certified that this project report “**DEVELOPMENT OF PUMPING MOTOR PROTECTION SYSTEM**” is the bonafide work of “**M.Mohamed kaseem (920418105022), M.Muthunayagam (920418105024), P.Sudharsun (920418105034)**” who carried out the mini-project work under my supervision.



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INTERNAL EXAMINER



EXTERNAL EXAMINER

HOME AUTOMAION USING NODE MCU AND BLYNK

A PROJECT REPORT

Submitted by

M.MALATHI -920418105019

B.R.KERTHIGA -920418105017

P.SHANMUKI -920418105032
PRIYADHARSHINI

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BONAFIDE CERTIFICATE

Certified that this project report **“HOME AUTOMATION USING NODE MCU AND BLYNK”** is the bonafide work of **“M.Malathi (920418105019), B.R.Kerthiga (920418105017), and P.Shanmuki priyadharshini (920418105032)”** who carried out the project work under my supervision.



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INTERNAL EXAMINER



EXTERNAL EXAMINER

CONTACTLESS TACHOMETER USING ARDUINO
A PROJECT REPORT

Submitted by

A.S DONA MOL -920418105008

V. DURGALAKSHMI -920418105009

K. SUBHASHINI -920418105033

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BONAFIDE CERTIFICATE

Certified that this project report “**CONTACTLESS TACHOMETER USING ARDUINO**” is the bonafide work of “**A.S Dona mol (920418105008), V. Durgalakshmi (920418105009), and K. Subhashini (920418105033)**” who carried out the project work under my supervision.

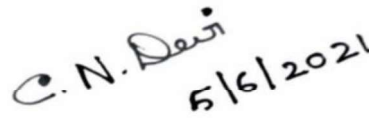


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Mrs. S. VIMALA DEVI,**

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INTERNAL EXAMINER



EXTERNAL EXAMINER

SMART AGRICULTURE TECHNOLOGY 5.0 USING ARDUINO

A PROJECT REPORT

Submitted by

U.KARTHICKA

-920418105016

H.AKCHAYA DEVI

-920418105002

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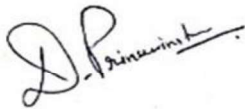
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BONAFIDE CERTIFICATE

Certified that this project report “**SMART AGRICULTURE TECHNOLOGY 5.0 USING ARDUINO**” is the bonafide work of “**U.Karthicka (920418105016) and H.Akchaya Devi (920418105002)**” who carried out the project work under my supervision.



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INTERNAL EXAMINER



EXTERNAL EXAMINER

SOLAR POWER MONITORING SYSTEM BASED ON IoT USING ESP32

A PROJECT REPORT

Submitted by

M.DEVISRIDHIVYADHARSHINI - 920418105006
S.MATHUMEENA - 920418105020
M.SARANYA - 920418105031

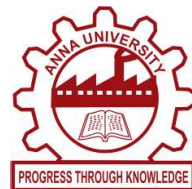
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BONAFIDE CERTIFICATE

Certified that this project report “**SOLAR POWER MONITORING SYSTEM BASED ON IoT USING ESP32**” is the bonafide work of “**M.Devisridhivyadharshini (920418105006), S.Mathumeena (920418105020) and M.Saranya (920418105031)**” who carried out the project work under my supervision.



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INTERNAL EXAMINER



EXTERNAL EXAMINER

SIMULATION AND MODELLING OF LEAD ACID BATTERY INCORPORATED WITH NANO FILLER

A PROJECT REPORT

Submitted by

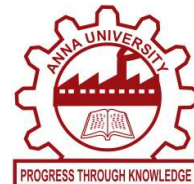
K.HARISHKUMAR	-920418105015
M.MANIMARAN	-920418105302
P.POTHIRAJ	-920418105304

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BONAFIDE CERTIFICATE

Certified that this project report “**SIMULATING AND MODELLING OF LEAD ACID BATTERY USING INCORPORATED NANO FILLER**” is the bonafide work of “**K. HARISHKUMAR (920418105015), M. MANIMARAN (920418105302), P. POTHIRAJ (920418105304),**” who carried out the project under my supervision.



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INTERNAL EXAMINER



EXTERNAL EXAMINER

GENERAL PURPOSE REMOTE BASE HOME AUTOMATION

A PROJECT REPORT

Submitted by

B.MAHENDRAN

-920418105301

S.SIVA KUMAR

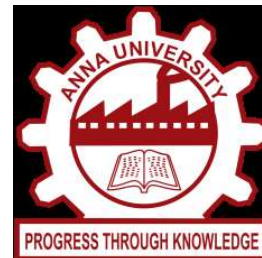
-920418105306

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BONAFIDE CERTIFICATE

Certified that this project report “**GENERAL PURPOSE REMOTE BASE HOME AUTOMATION**” is the bonafide work of “**B.Mahendran (920418105301), S.Sivakumar(920418105306)**” who carried out the project work under my supervision.



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INTERNAL EXAMINER



EXTERNAL EXAMINER

DESIGN OF A VOLTAGE GENERATOR USING PHOTOVOLTAIC CELL

A PROJECT REPORT

Submitted by

B.RAJASEKARAN

- **920418105029**

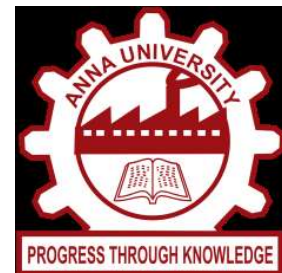
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MAY 2021


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Certified that this project report “ **DESIGN OF A VOLTAGE GENERATOR USING PHOTOVOLTAIC CELL**” is the bonafide work of “**B.RAJASEKARAN(920418105029)**” who carried out the project work under my supervision.


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INTERNAL EXAMINER



EXTERNAL EXAMINER

**SECURED IOT BASED MONITORING AND
CONTROLLING OF MICROGRID**

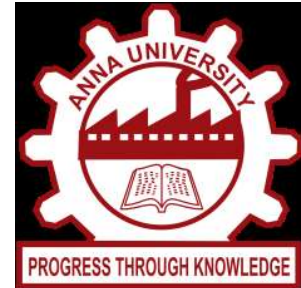
A PROJECT REPORT

Submitted by

ABDUL FAHAD .S (920418105001)

BENET ASIR .S (920418105004)

PETCHI RAJA .B (920418105303)



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BONAFIDE CERTIFICATE

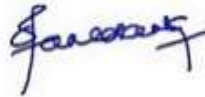
Certified that this project report “**SECURED IOT BASED MONITORING AND CONTROLLING OF MICROGRID**” is the bonafide work of “**ABDUL FAHAD.S (920418105001), BENET ASIR .S (920418105004), and PETCHI RAJA.B (920418105303)**” who carried out the project work under my supervision.



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INTERNAL EXAMINER



EXTERNAL EXAMINER

**RF BASED SECURE DOOR LOCK SYSTEM FOR AGED AND
PHYSICALLY CHALLENGED PERSONS**

A PROJECT REPORT

Submitted by

A.DHANASEELAN	-920418105007
S.HARIHARAN	-920418105013
P.LINGESH DHANARAJ	-920418105018

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BONAFIDE CERTIFICATE

Certified that this “RF BASED SECURE DOOR LOCK SYSTEM FOR AGED AND PYSICALLY CHALLENGED PERSONS” is the bonafide workof “A.Dhanaseelan(920418105007), S.Hariharan(920418105013), and P.Lingesh Dhanaraj (920418105018)” who carried out project work under my supervision.



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INTERNAL EXAMINER



EXTERNAL EXAMINER

AUTOMATIC HEAD LIGHT CONTROLLER

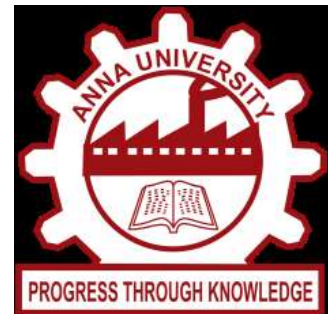
A Mini Project Report

By

J. Anto Vimal – 920418105003

S. Mohamed Mathar Hussain – 920418105023

P. Narayana Prabhu - 920418105025



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BACHELOR OF ENGINEERING

In

ELECTRICAL AND ELECTRONICS ENGINEERING

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution Affiliated to Anna University, Chennai)


K. VELLAKULAM – 625 701 (Near Virudhunagar)

**KAMARAJ COLLEGE OF ENGINEERING AND
TECHNOLOGY**

**(An Autonomous Institution Affiliated to Anna University, Chennai)
K.VELLAKULAM – 625 701 (Near Virudhunagar)**


BONAFIDE CERTIFICATE

Certified that this project report “**AUTOMATIC HEADLIGHT CONTROLLER**” is the bonafide work of “**J. Anto Vimal (920418105003), P. Narayana Prabhu (920418105025), S. Mohamed Mathar Hussain (920418105023)**” who carried out the project work under my supervision.




Dr. D. Prince Winston, M.E., Ph.D.,
HoD, Department of EEE,
Kamaraj College of Engineering and Technology (Autonomous)
K. Vellakulam - 625 701.


SIGNATURE
Dr. D. PRINCE WINSTON, M.E., Ph.D.,
HEAD OF THE DEPARTMENT
PROFESSOR,
Department of EEE,
Kamaraj College of
Engineering and Technology



INTERNAL EXAMINER



SIGNATURE
Ms. R. Reenu, M.E.
SUPERVISOR,
ASSISTANT PROFESSOR,
Department of EEE,
Kamaraj College of
Engineering and Technology



EXTERNAL EXAMINER

VOICE CONTROLLED HOME AUTOMATION
A PROJECT REPORT

Submitted by

M.HARIPRASAD **-920418105014**

B.RAJKUMAR **-920418105030**

S.VELMURUGAN **-920418105035**

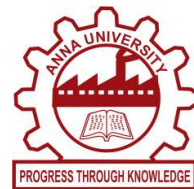
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JUNE 2021

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BONAFIDE CERTIFICATE

Certified that this project report “**VOICE CONTROLLED HOME AUTOMATION**” is the bonafide work of “**M.Hariprasad (920418105014), B.Rajkumar (920418105030), and S.Velmurugan (920418105035)**” who carried out the project work under my supervision.



Dr. D. Prince Winston, M.E., Ph.D.,
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SIGNATURE

Dr.D.PRINCE WINSTON,M.E.,Ph.D
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Virudhunagar.



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Mr.T.HARIPRASATH, M.E.,
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ASSISTANT PROFESSOR,
Department of EEE,
Kamaraj College of Engineering
& Technology,
Virudhunagar.



INTERNAL EXAMINER



EXTERNAL EXAMINER

HOME AUTOMATION USING LabVIEW

A MINI-PROJECT REPORT

Submitted by

S. MOHAMED BAZITH **-920418105021**

P. VIMAL **-920418105036**

R. RAJKUMAR **-920418105305**

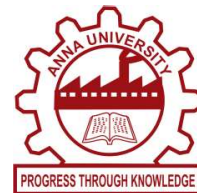
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JUNE-2021


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BONAFIDE CERTIFICATE

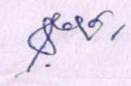
Certified that this project report “**HOME AUTOMOTION USING LabVIEW**” is the bonafide work of “**S. Mohamed bazith (920418105021) P. Vimal (920418105036) R. Rajkumar (920418105305)**” who carried out the project work under my supervision.



Dr. D. Prince Winston, M.E., Ph.D.,
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**Dr. D. PRINCE WINSTON, M.E.,
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**Mr. S. JEGAN, AP/EEE.,
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Department of EEE,
Kamaraj college of engineering & technology,
Virudhunagar.**



INTERNAL EXAMINER



EXTERNAL EXAMINER

AUTOMATIC CONTROL OF WATER PUMPING SYSTEM

A MINI-PROJECT REPORT

Submitted by

K. DEEPAK -920418105005

J. NIVITH KUMAR -920418105028

D.GAAVIYAN -920418105010

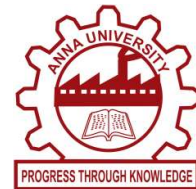
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ELECTRICAL AND ELECTRONICS ENGINEERING



In partial fulfillment for the award of the degree

Of

**BACHELOR OF ENGINEERING in ELECTRICAL AND
ELECTRONICS ENGINEERING DEPARTMENT OF
ELECTRICAL AND ELECTRONICS ENGINEERING**

BONAFIDE CERTIFICATE

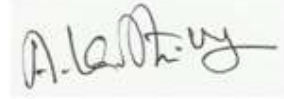
Certified that this project report “**AUTOMATIC CONTROL OF WATER PUMPING SYSTEM**” is the bonafide work of “**J. NIVITH KUMAR (920418105028), K. DEEPAK (920418105005), D. GAAVIYAN (920418105010)**” who carried out the mini-project work under my supervision.



Dr. D. Prince Winston, M.E., Ph.D.,
Professor, Department of EEE,
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SIGNATURE

Mr. A. KARTHIKEYAN, M.E., (Ph.D.)
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ASSISTANT PROFESSOR,
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Technology, Virudhunagar.



INTERNAL EXAMINER



EXTERNAL EXAMINER

AUTOMATIC SENSOR SANITIZER

A PROJECT REPORT

Submitted by

R.HARI

-920418105012

A.HAMEED RAJA

-920418105011

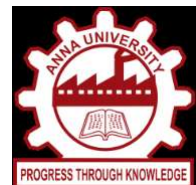
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BONAFIDE CERTIFICATE

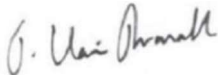
Certified that this project report “**AUTOMATIC SENSOR SANITIZER**” is the bonafide work of “**R.Hari (920419105012), A.Hameed Raja (920418105011)**” who carried out the project work under my supervision.





Dr. D. Prince Winston, M.E., Ph.D.,
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SIGNATURE
Dr. D. PRINCE WINSTON, M.E., Ph.D.,

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INTERNAL EXAMINER



SIGNATURE
Mrs.B.NOORULHAMITHA, M.E.,
Mrs.A.AZARUDEEN, M.E.,
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EXTERNAL EXAMINER



(An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI)
S.P.G.Chidambara Nadar - C.Nagammal Campus
S.P.G.C.Nagar, K.Vellakulam - 625 701, (Near Virudhunagar), Madurai District.

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Course: B.E

Subject Code: EE8811

Staff Name: Dr. M. Sudalaimani

Sub. Name: Project work

Academic Year: 2020-21(Even Sem)

Class/Sem: IV EEE / VIII Sem.

Regulation: 2017

L T P C: 0 0 20 10

OBJECTIVES:

- To develop the ability to solve a specific problem right from its identification and literature review till the successful solution of the same.
- To train the students in preparing project reports and to face reviews and viva voce examination.

The students in a group of 3 to 4 works on a topic approved by the head of the department under the guidance of a faculty member and prepares a comprehensive project report after completing the work to the satisfaction of the supervisor. The progress of the project is evaluated based on a minimum of three reviews. The review committee may be constituted by the Head of the Department. A project report is required at the end of the semester. The project work is evaluated based on oral presentation and the project report jointly by external and internal examiners constituted by the Head of the Department.

TOTAL: 300 PERIODS

OUTCOMES:

On Completion of the project work students will be in a position to take up any challenging practical problems and find solution by formulating proper methodology.

Staff In Charge

HoD/EEE

2017 - 21 Batch Project Topics					
S. No	Roll No	Register No	Name	Guide Name	Project Title
B1	17UEEE079	920417105031	KABILAN.S	Dr. D. PRINCE WINSTON, M.E.,Ph.D.,	Development of Novel Battery Balancing Kit with Zero Charging Loss for Electric Vehicle Applications
	17UEEE025	920417105068	PRAVIN.M		
	17UEEE069	920417105003	AKASH.A.G		
	17UEEE070	920417105061	NITHISH.S		
B2	17UEEE059	920417105022	GURUDHACHANA MOORTHY.M	Dr. D. PRINCE WINSTON, M.E.,Ph.D.,	Design And Analysis Of Efficient Charging System For Lead-Acid Batteries
	17UEEE039	920417105019	GOKUL.R		
	17UEEE108	920417105308	PANDIYARAJ.S		
	17UEEE047	920417105057	MUTHU MADESH.S		
B3	17UEEE012	920417105005	ANANTHAKRISHN AN.K	Dr. S.RAJESHBAB U M.E.,Ph.D	Design of charger controller using closed loop buck controller
	17UEEE031	920417105052	MOHAMMED VAVAKANIS		
	17UEEE090	920417105010	CHAN BASHA.A		
	17UEEE082	920417105056	MUTHU GANESH.T		
B4	17UEEE007	920417105001	ABIRAM.I.C	Dr M. SUDALAIMAN I, M.E.,Ph.D.,	Iot Based Intelligent Home
	17UEEE040	920417105081	SHALINI.E		
	17UEEE103	920417105043	LAKSHMIPRIYA.A		
B5	17UEEE106	920417105701	PREETHI.M.V	Dr.Jeslin Drusila Nesamalar	Development of Load Management Through Local Consumer Demand
	17UEEE068	920417105016	DHARSHINI.M		
	17UEEE016	920417105090	SULBIKA SHAKIN.S		
B6	17UEEE013	920417105035	KARPAGAM.M	Dr.Jeslin Drusila Nesamalar	IoT Based Automation Using Raspberry Pi
	17UEEE071	920417105032	KALADEVI.K		
B7	17UEEE042	920417105046	MANO RAJ.N.R	Mrs. B. NoorulHamitha M.E	Arduino Based Helmet For Coal Mine Worker
	17UEEE088	920417105009	AZHAR.A		
	17UEEE024	920417105029	JEEVA.G		
	17UEEE091	920417105006	AROCKIA DENNIS.G		
B8	17UEEE050	920417105102	VISHNU KARAN.B	Mrs. V. CHANDRA	Iot Based Field Monitoring And Smart Agriculture System
	17UEEE038	920417105048	MARIPANDI.M		
	17UEEE093	920417105014	DHANASEKARAN. V		



Staff In Charge



HoD/EEE

B9	17UEEE076	920417105089	SUBASH PANDIAN.M	Mr. R.GANESAN, M.E., (Ph.D).,	Commercial security system based on arduino using gsm.
	17UEEE063	920417105100	VIJAY.A		
	17UEEE100	920417105025	HARISHKUMAR.P		
	17UEEE005	920417105012	DHAKSHIN SURYA.G		
B10	17UEEE051	920417105079	SATHISHKUMAR.K	Mr. A. KARTHIKEYA N, M.E., (Ph.D.),	Industrial Energy Audit For Flour Mill Plant
	17UEEE023	920417105064	PON KISHON.V		
	17UEEE049	920417105059	NAVEEN KUMAR.P		
	17UEEE052	920417105074	RAJKUMAR.B		
B11	17UEEE064	920417105045	MANIKANDAN.G	Mr. A. AZARUDEEN, M.E.	IOT Based Smart Energy Meter
	17UEEE110	920417105307	MANIKANDAN.R		
	17UEEE111	920417105309	THANGAPANDI.P		
	17UEEE113	920417105306	MAHENDRAN.D		
B12	17UEEE056	920417105098	VENKATESH.S	Mr.S. JEGAN	Automatic Spraying of Mixture in Bale (cotton) Plucker Machine
	17UEEE065	920417105033	S.KANNAN		
	17UEEE034	920417105013	DHAMOTHARA KANNAN.S		
	17UEEE067	920417105099	VIGNESH.M		
B13	17UEEE022	920417105073	RAAJAMAHALAKS HMI.S	Mr.S. JEGAN	Iot Based Fall Detection System For Elderly/Physically Challenged People
	17UEEE089	920417105094	THEJESHREE.S		
	17UEEE021	920417105085	SHYAMALA DEVI.M		
B14	17UEEE036	920417105007	ARTHIK SHIVANI.D	Mrs. C.NAGADEVI	Solar PV based grid connected Dc microgrid for primary schools
	17UEEE045	920417105075	RAMASUBBULAKS HMI.R		
	17UEEE060	920417105044	MAHESWARI.M		
B15	17UEEE019	920417105054	MOUNI.A	Ms. REENU., M.E	Smart Prosthetic Hand
	17UEEE081	920417105036	KARTHIGA.T		
	17UEEE074	920417105042	KIRUBA COLIN QUEEN.S		
	17UEEE019	920417105054	MOUNI.A		
B16	17UEEE008	920417105047	MARIA ANTONY XAVIER.L	Dr. S. KALYANI	A Deep learning approach for Power prediction and State- of-Charge estimation in battery operated Electric Vehicles
	17UEEE055	920417105020	GOKULANARAYAN AN.J		
	17UEEE062	920417105004	ANANDHA BALAJI.A		

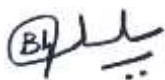


Staff In Charge



HoD/EEE

B17	17UEEE027	920417105097	VENKATESH.B.K	Dr M. SUDALAIMAN I, M.E.,Ph.D.,	Machine learning based condition monitoring of transmission line using iot
	17UEEE053	920417105070	PRITHVIRAJ.S		
	17UEEE098	920417105078	SANKAR VINOTH.S		
B18	17UEEE032	920417105096	VARSHA.C.B	Dr M. SUDALAIMAN I, M.E.,Ph.D.,	Machine Learning based Condition Monitoring of Three Phase Induction Motor
	17UEEE035	920417105063	PON ISWARYA.K		
	17UEEE075	920417105088	SUBANITHYA.S		
B19	17UEEE004	920417105084	SHINE SUVAITHA VALLIM	Dr. S.RAJESHBAB U M.E.,Ph.D	Artificial Intelligence Based Prediction Of Driver's Drowsiness
	17UEEE037	920417105015	DHARANI.S		
	17UEEE054	920417105093	SWATHIKA.R		
B20	17UEEE073	920417105039	KARTHI KEYAN.S	Dr. B. GURUKARTHI K BABU	Enhancement Of Palatable Water Production In Pv/T System Using Industrial Sludges And Nautical Husks
	17UEEE029	920417105038	KARTHIKEYAN.S		
	17UEEE030	920417105095	THIRUPPATHY.R		
B21	17UEEE115	920417105301	ABDUL RAHEEM.M	Mrs. B. Noorul Hamitha	Automatic Parking System in E-Vehicle
	17UEEE048	920417105091	SURYA.N		
	17UEEE078	920417105082	SHANGAR GHANESH.S		
B22	17UEEE003	920417105103	YOGESHWARAN.P	Mrs. V. CHANDRA	Drunk & Drive Detection With Automatic Engine Locking System
	17UEEE018	920417105024	GURU VISWA.B		
	16UEEE034	920417105501	SIVA SANKAR		
B23	17UEEE006	920417105040	KARTHIK PRASANNA.S	Mr. K. GANESAN	Performance Enchantment Of Bifacial Solar Module
	17UEEE058	920417105027	ISMAIL ABDUL RIYAS.M		
	17UEEE097	920417105060	NITHEESH KUMAR.R		
B24	17UEEE002	920417105011	DEEPALAKSHMI.N	Mr. K. GANESAN	Iot Based Solar Pv Parameters Monitoring System
	17UEEE046	920417105083	SHANMUGA PRIYA.M.G		
	17UEEE086	920417105028	ISWARIYA.G		
B25	17UEEE080	920417105017	DHINAKARAN.S	Mr.A.Karthikeyan M.E.,	Fuzzy Based Weighted Min-Max
	17UEEE083	920417105021	GOWTHAM.R		



Staff In Charge



HoD/EEE

	17UEEE084	920417105101	VIJAY RAMKUMAR.P		Fair Charge Allocation For Electric Vehicles
B26	17UEEE087	920417105077	SANJAY KANNAN.M	Mr. R.GANESAN, M.E., (Ph.D).,	Microcontroller Based Home Automation System Using Rfid
	17UEEE099	920417105092	SURYA PRAKASH.S		
B27	17UEEE001	920417105055	MUGESH BABU.G	Dr. D. Mariappan, M.E.,Ph.D.,	Automatic Hand Sanitizer Dispenser
	17UEEE020	920417105087	SRIDHARAN.D.S		
	17UEEE028	920417105008	ARUN KUMAR.S		
B28	17UEEE072	920417105058	MUTHU VIJAYAN.PA	Mrs. S. VIMALA DEVI, M.E.,	Rfid Based Automatic Temperature Monitoring System
	17UEEE061	920417105066	PRAVEEN KUMAN.A		
	17UEEE094	920417105002	AJAY KARTHICK.P		
B29	17UEEE057	920417105072	PRIYANKA.L	VIMALADEVI S	Real Time Iot Based Energy Meter and Fault Identification System
	17UEEE077	920417105076	SABAREESHWARI.B		
	17UEEE085	920417105069	PREETHA.P		
B30	17UEEE010	920417105086	SREE VIDHYA JANANI.J.K	Mrs.C.NAGAD EVI,M.E.,(Ph.D.),,	Adaptive state of charge estimator for rechargeable batteries using microcontroller.
	17UEEE044	920417105023	GURUNANDHINI.S		
	17UEEE066	920417105026	ISHWARYA.T.A		
B31	17UEEE109	920417105303	ARUN KUMAR.A	T.HARI PRASATH M.E.,	Smart Irrigation using IoT
	17UEEE112	920417105304	DINESH MOORTHY.K		
	17UEEE114	920417105302	AJITHKUMAR.D		
B32	17UEEE026	920417105037	KARTHIKEYAN.P	T.HARI PRASATH M.E.,	Asafoetida dough press
	17UEEE095	920417105034	KARMUGILAN.R		
	17UEEE105	920417105062	PANDIARAJ.M		
	17UEEE107	920417105305	KATHIR VEL.T		
B33	17UEEE009	920417105051	MOHAMED IRBHAN.A	Ms. R. REENU, M.E.,	Rf Based Speed Control System For Electric Vehicle
	17UEEE015	920417105065	PRASANNA.K		
	17UEEE033	920417105080	SELVA ARUN.P		
	17UEEE092	920417105053	MOHAMMEDYASIN .B		



Staff In Charge



HoD/EEE

DEVELOPMENT OF NOVEL BATTERY BALANCING KIT WITH ZERO CHARGING LOSS FOR ELECTRIC VEHICLE APPLICATIONS

A PROJECT REPORT

Submitted by

M.PRAVIN	-920417105068
S.KABILAN	-920417105031
S.NITHISH	-920417105061
A.G.AKASH	-920417105003

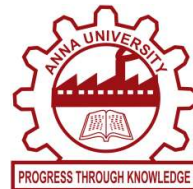
In partial fulfillment for the award of the degree

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APRIL 2021

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(An Autonomous Institution Affiliated to Anna University, Chennai)

K.VELLAKULAM – 625 701 (Near Virudhunagar)

BONAFIDE CERTIFICATE

Certified that this project report “DEVELOPMENT OF NOVEL BATTERY BALANCING KIT WITH ZERO CHARGING LOSS FOR ELECTRIC VEHICLE APPLICATIONS” is the bonafide work of “M.Pravin (920417105068), S.Kabilan (920417105031), S.Nithish (920417105061), and A.G.Akash (920417105003)” who carried out the project work under my supervision.



Dr. D. Prince Winston, M.E., Ph.D.,
Professor, Department of EEE,
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SIGNATURE


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PROFESSOR,
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Dr. D. Prince Winston, M.E., Ph.D.,
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Department of EEE,
Kamaraj College of Engineering & Technology,
Virudhunagar.


27/4/21

INTERNAL EXAMINER


27/4/21

EXTERNAL EXAMINER

DESIGN AND ANALYSIS OF EFFICIENT CHARGING SYSTEM FOR LEAD-ACID BATTERIES

A PROJECT REPORT

Submitted by

R.GOKUL (920417105019)

M.GURUDHACHANAMOORTHY (920417105022)

S.PANDIYARAJ (920417105308)

S.MUTHU MADESH (920417105057)

In partial fulfilment for the award of the degree

Of

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KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

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K. VELLAKULAM- 625701 (Near Virudhunagar)

APRIL 2021

KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY
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K. VELLAKULAM- 625701 (Near Virudhunagar)

BONAFIDE CERTIFICATE

Certified that this report “**DESIGN AND ANALYSIS OF EFFICIENT CHARGING SYSTEM FOR LEAD-ACID BATTERIES**” is the bonafide work of **R.GOKUL (920417105019)**, **M.GURUDHACHANAMOORTHY (920417105022)**, **S.PANDIYARAJ (920417105308)**, and **S.MUTHU MADESH (920417105057)** who carried out the project work under my supervision.

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EXTERNAL EXAMINER

DESIGN OF CHARGER CONTROLLER USING BUCK CONVERTER

PROJECT REPORT

Submitted by

S.MOHAMMADVAVAKANI -920417105052

T.MUTHU GANESH -920417105056

K.ANANTHAKRISHNAN -920417105005

A.CHANBASHA -920417105010

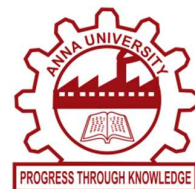
In partial fulfillment for the award of the degree

of

BACHELOR OF ENGINEERING

in

ELECTRICAL AND ELECTRONICS ENGINEERING



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

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BONAFIDE CERTIFICATE

Certified that this project report “**DESIGN OF CHARGER CONTROLLER USING BUCK CONVERTER**” is the bonafide work of “**S.MOHAMMEDVAVAKANI (920417105052), T.MUTHUGANESH (920417105056), K.ANANTHAKRISHNAN (920417105005), and A.CHANBASHA (920417105010)**” who carried out the project work under my supervision.



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27/4/21

INTERNAL EXAMINER



27/4/21

EXTERNAL EXAMINER

IOT BASED INTELLIGENT HOME

A PROJECT REPORT

Submitted by

SHALINI E-920417105081

ABIRAMI C-920417105001

LAKSHMI PRIYA A-920417105043

in partial fulfillment for the award of the degree

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BACHELOR OF ENGINEERING

in

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APRIL-2021



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K. VELLAKULAM-625701(Near Virudhunagar)

BONAFIDE CERTIFICATE

Certified that this project report “**IOT BASED INTELLIGENT HOME**” is the Bonafide work of **SHALINI E-920417105081, ABIRAMI C-920417105001** and **LAKSHMI PRIYA A -920417105043** who carried out the project work under my supervision.



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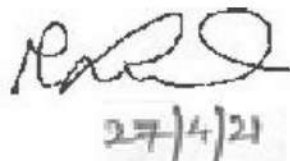
Assistant professor,

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INTERNAL EXAMINER



EXTERNAL EXAMINER

DEVELOPMENT OF LOAD MANAGEMENT THROUGH LOCAL CONSUMER DEMAND CONTROL

PROJECT REPORT

Submitted by

PREETHI.M.V

DHARSHINI.M

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BACHELOR OF ENGINEERING

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APRIL 2021

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BONAFIDE CERTIFICATE

Certified that the project report **“DEVELOPMENT OF LOAD MANAGEMENT THROUGH LOCAL CONSUMER DEMAND CONTROL”**

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27/4/21

INTERNAL EXAMINER

**DEAN
(ACADEMIC COURSES)**



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27/4/21

EXTERNAL EXAMINER

**DEAN
(EXAMINATIONS)**

PRINCIPAL

IoT BASED AUTOMATION USING RASPBERRY PI

A PROJECT REPORT

Submitted by

K.Kala Devi (17UEEE071)

M.Karpagam (17UEEE013)

In Partial Fulfillment for the award of the degree of

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In

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DEPARTMENT OF

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APRIL 2021

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27/4/21

EXTERNAL EXAMINER

ARDUINO BASED HELMET FOR COAL MINE WORKER

A PROJECT REPORT

Submitted by

G.Jeeva	920417105029
A.Azhar	920417105009
N.R.Mano Raj	920417105046
G.Arockia Dennis	920417105006

In partial fulfillment for the award of the degree

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BONAFIDE CERTIFICATE

Certified that this project report “ ARDUINO BASED HELMET FOR COAL MINE WORKER ” is the bonafide work of “JEEVA G (920417105029), Azhar A (920417105009), ManoRaj N R (920417105046) and Arockia Dennis G (920417105006)” who carried out the project work under my supervision.



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27/4/21

INTERNAL EXAMINAR


27/4/21

EXTERNAL EXAMINAR

IOT BASED FIELD MONITORING AND SMART AGRICULTURE SYSTEM

A PROJECT REPORT

Submitted by

VISHNU KARAN B - 920417105102

DHANASEKARAN V- 920417105014

MARIPANDI M - 920417105048

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APRIL-2021

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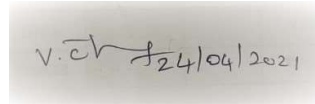
BONAFIDE CERTIFICATE

Certified that this project report “**IOT BASED FIELD MONITORING AND SMART AGRICULTURE SYSTEM**” is the Bonafide work of VISHNU KARAN B - 920417105102, DHANASEKARAN V- 920417105014 and MARIPANDI M -920417105048 who carried out the project work under my supervision.



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INTERNAL EXAMINER



EXTERNAL EXAMINER

COMMERCIAL SECURITY SYSTEM BASED ON ARDUINO USING GSM

A PROJECT REPORT

Submitted by

M.SUBASH PANDIAN	-920417105089
A.VIJAY	-920417105100
G.DHAKSHIN SURYA	-920417105012
P.HARISH KUMAR	-920417105025

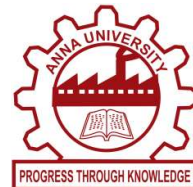
In partial fulfillment for the award of the

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APRIL 2021

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Certified that this report “**COMMERCIAL SECURITY SYSTEM BASED ON ARDUINO USING GSM**” is the bonafide work of **M.SUBASH PANDIAN (920417105089), A.VIJAY (920417105100), G.DHAKSHIN SURYA (920417105012), P.HARISH KUMAR (920417105025)** who carried out the project work under my supervision.



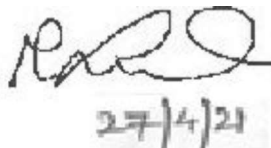
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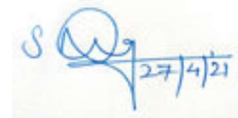


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INTERNAL EXAMINER



EXTERNAL EXAMINER

INDUSTRIAL ENERGY AUDIT FOR FLOUR MILL PLANT

A PROJECT REPORT

Submitted by

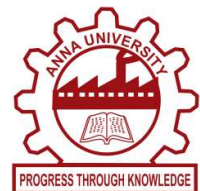
V.PON KISHON	-920417105064
B.RAJ KUMAR	-920417105074
P.NAVEEN KUMAR	-920417105059
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APRIL 2021

KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

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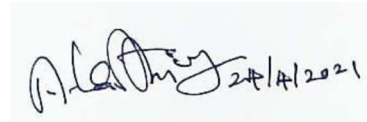
K.VELLAKULAM – 625 701 (Near Virudhunagar)

BONAFIDE CERTIFICATE

Certified that this report “**INDUSTRIAL ENERGY AUDIT FOR FLOUR MILL PLANT**” is the bonafide work of **V.PON KISHON (920417105064), B.RAJ KUMAR (920417105074), P.NAVEEN KUMAR (920417105059) and K.SATHISH KUMAR (920417105079)** who carried out the project work under my supervision.



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INTERNAL EXAMINER



EXTERNAL EXAMINER

IOT BASED ENERGY METER MONITORING SYSTEM

A PROJECT REPORT

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D.MAHENDRAN -920417105306

R.MANIKANDAN -920417105307

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BONAFIDE CERTIFICATE

Certified that this project report “IOT BASED ENERGY METER MONITORING SYSTEM” is the bonafide work of “G.Manikandan (920417105045), D.Mahendran (920417105306), R.Manikandan (920417105307), and P.Thangappandi (920417105309)” who carried out the project work under my supervision.




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27/4/21



27/4/21

AUTOMATIC SPRAYING OF MIXTURE IN BALE (COTTON) PLUCKER MACHINE

A PROJECT REPORT

Submitted by

S.KANNAN (920417105033)

M.VIGNESH (920417105099)

S.VENKATESH (920417105098)

S.DHAMOTHARA KANNAN (920417105013)

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BONAFIDE CERTIFICATE

Certified that this report “**AUTOMATIC SPRAYING OF MIXTURE IN BALE(COTTON) PLUCKER MACHINE**” is the bonafide work of **S.KANNAN (920417105033), M.VIGNESH (920417105099), S.VENKATESH (920417105098), and S.DHAMOTHARA KANNAN (920417105013)** who carried out the project work under my supervision.

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AP/EEE

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INTERNAL EXAMINER



27/4/21

EXTERNAL EXAMINER



27/4/21

IoT BASED FALL DETECTION SYSTEM FOR ELDERLY/PHYSICALLY CHALLENGED PEOPLE

A PROJECT REPORT

Submitted by

S.THEJESHREE	-920417105094
S.RAAJAMAHALAKSHMI	-920417105073
M.SHYAMALA DEVI	-920417105085

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APRIL 2021

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Certified that this project report **“IoT BASED FALL DETECTION SYSTEM FOR ELDERLY/PHYSICALLY CHALLENGED PEOPLE”** is the bonafide work of **“S.Thejeshsree (920417105094), S.Raajamahalakshmi (920417105073), and M.Shyamala Devi (920417105085)”** who carried out the project work under my supervision.



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27/4/21

INTERNAL EXAMINER



27/4/21

EXTERNAL EXAMINER

SOLAR PV BASED GRID CONNECTED DC MICROGRID FOR PRIMARY SCHOOLS

A PROJECT REPORT

Submitted by

D.ARTHIK SHIVANI

-920417105007

M.MAHESWARI

-920417105044

R.RAMASUBBULAKSHMI

-920417105075

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APRIL 2021

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Certificate that this project report “**SOLAR PV BASED GRID CONNECTED DC MICROGRID FOR PRIMARY SCHOOL**” is the bonafide work of “**D.Arthikshivani (920417105007), M.Maheswari (920417105044), and R.Ramasubbulakshmi (920117015075)**” who carried out the Project work under my supervision.



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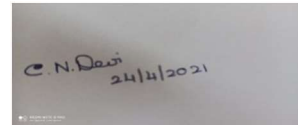
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INTERNAL EXAMINER



2

EXTERNAL EXAMINER



SMART PROSTHETIC HAND

A PROJECT REPORT

Submitted by

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KIRUBA COLIN QUEEN S	- 920417105042
MOUNI A	- 920417105054
PRIYA DHARSHANA P	- 920417105071

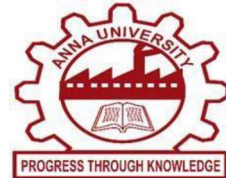
In partial fulfillment for the award of the degree

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APRIL 2021

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Certified that this project report “SMART PROSTHETIC HAND” is the bonafide work of “T. KARTHIGA (920417105036), S. KIRUBA COLIN QUEEN (920417105042), A. MOUNI (920417105054) and P. PRIYA DHARSHANA (920417105071)” who carried out the project work under my supervision.



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27/4/21

INTERNAL EXAMINER



27/4/21

EXTERNAL EXAMINER

**A DEEP LEARNING APPROACH FOR POWER
PREDICTION AND STATE-OF-CHARGE
ESTIMATION IN BATTERY OPERATED ELECTRIC
VEHICLES**

A PROJECT REPORT

Submitted by

**ANANDHA BALAJI A (920417105004)
J GOKULA NARAYANAN (920417105020)
L MARIA ANTONY XAVIER (920417105047)**

In partial fulfillment for the award of the degree

of

BACHELOR OF ENGINEERING

In

ELECTRICAL AND ELECTRONICS ENGINEERING



**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
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(An Autonomous Institution Affiliated to Anna University, Chennai)**



K. VELLAKULAM – 625 701 (Near Virudhunagar)

APRIL 2021

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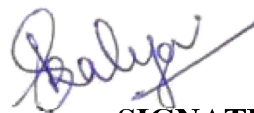
BONAFIDE CERTIFICATE

Certified that the Project Report “**A DEEP LEARNING APPROACH FOR POWER PREDICTION AND STATE-OF-CHARGE ESTIMATION IN BATTERY OPERATED ELECTRIC VEHICLES**” is a bonafide work of **ANANDHA BALAJI A (920417105004), J GOKULA NARAYANAN (920417105020) and L MARIA ANTONY XAVIER (920417105047)** who carried out the project work under my supervision.



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INTERNAL EXAMINER



27/4/21

EXTERNAL EXAMINER



27/4/21

MACHINE LEARNING BASED CONDITION MONITORING OF TRANSMISSION LINE USING IOT

A PROJECT REPORT

Submitted by

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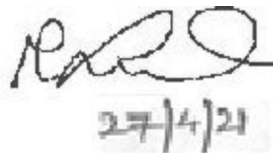
Certified that this report “**MACHINE LEARNING BASED CONDITION MONITORING OF TRANSMISSION LINE USING IOT**” is the bonafide work of **PRITHVIRAJ S (920417105070)**, **VENKATESH B K (920417105097)**, **SANKAR VINOTH S (920417105078)**, who carried out the project work under my supervision.



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INTERNAL EXAMINER



EXTERNAL EXAMINER

MACHINE LEARNING BASED CONDITION MONITORING OF THREE PHASE INDUCTION MOTOR

PROJECT REPORT

Submitted by

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S. SUBANITHYA	-920417105088

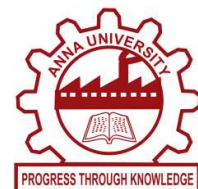
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Certified that the project report “**MACHINE LEARNING BASED CONDITION MONITORING OF THREE PHASE INDUCTION MOTOR**” is the bonafide work of “**K.PON ISWARYA – 920417105063, S.SUBANITHYA – 920417105088, and C.B. VARSHA – 920417105096**” who carried out the project work under my supervision.

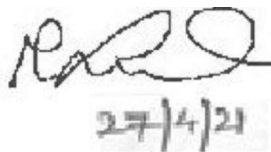


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27/4/21

INTERNAL EXAMINER



27/4/21

EXTERNAL EXAMINER

ARTIFICIAL INTELLIGENCE BASED PREDICTION OF DRIVER'S DROWSINESS

A PROJECT REPORT

Submitted by

Dharani S (920417105015)

Shine SuvaithaValli M (920417105084)

Swathika R (92041710593)

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EXTERNAL EXAMINER

**ENHANCEMENT OF PALATABLE WATER PRODUCTION
IN PV/T SYSTEM USING INDUSTRIAL SLUDGES AND
NAUTICAL HUSKS**

A PROJECT REPORT

Submitted by

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S. KARTHI KEYAN	-920417105039
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Certified that this project report “**ENHANCEMENT OF PALATABLE WATER PRODUCTION IN PV/T SYSTEM USING INDUSTRIAL SLUDGES AND NAUTICAL HUSK**” is the bonafide work of **S.KARTHIKEYAN (920417105038), S.KARTHI KEYAN (920417105039), R.THIRUPPATHY (920417105095)**” who carried out the project work under my supervision.



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27/4/21

INTERNAL EXAMINER



27/4/21

EXTERNAL EXAMINER

AUTOMATIC PARKING SYSTEM IN E-VEHICLE

PROJECET REPORT

Submitted by

ABDUL RAHEEM M

SHANGAR GHANESH S

SURYA N

In partial fulfillment for the award of the degree of

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April 2021

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Certified that this project report “**AUTOMATIC PARKING SYSTEM IN E-VEHICLE**” is the bonafide work of “**ABDUL RAHEEM M (17UEEE115), SHANGAR GHANESH S (17UEEE078) and SURYA N (17UEEE048)**” who carried out the project work under my supervision.



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27/4/21

EXTERNAL EXAMINAR

DEAN
(ACADEMIC COURSES)

DEAN
(EXAMINATIONS)

PRINCIPAL

DRUNK & DRIVE DETECTION WITH AUTOMATIC ENGINE LOCKING SYSTEM

A PROJECT REPORT

Submitted by

P.YOGESHWARAN -920417105103

B.GURU VISWA -920417105024

R.SIVASHANKAR -920417105501

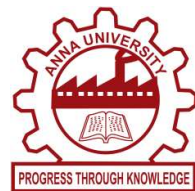
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Certified that this project report “**DRUNK & DRIVE DETECTION WITH ENGINE LOCKING SYSTEM**” is the bonafide work of “**P.YOGESHWARAN (920417105103), B.GURUVISWA (920417105024), and R.SIVA SHANKAR (920417105501)**” who carried out the project work under my supervision.



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27/4/21

INTERNAL EXAMINER



27/4/21

EXTERNAL EXAMINER

PERFORMANCE ENCHANMENT OF BIFACIAL SOLAR MODULE

A PROJECT REPORT

Submitted by

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In partial fulfillment for the award of the degree

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Certified that this report “**PERFORMANCE ENCHANMENT OF BIFACIAL SOLAR MODULE**” is the bonafide work of **NITHEESH KUMAR R (920417105060) ISMAIL ABDUL RIYAS .M (920417105027) KARTHICK PRASANNA.S (920417105040)** Who carried out the project work under my supervision



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INTERNAL EXAMINER



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27/4/21

EXTERNAL EXAMINER

IOT BASED SOLAR PV PARAMETERS MONITORING SYSTEM

PROJECT REPORT

Submitted by

DEEPALAXMI N(17UEEE002)

SHANMUGA PRIYA M G (17UEEE046)

ISWARIYA G (17UEEE086)

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BONAFIDE CERTIFICATE


Certified that the project report “ IOT BASED SOLAR PV PARAMETERS
MONITORING SYSTEM” is the bonafide work of
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EXTERNAL EXAMINER



27/4/21

FUZZY BASED WEIGHTED MIN-MAX CHARGE ALLOCATION FOR ELECTRIC VEHICLES

A PROJECT REPORT

Submitted by

S.DINAKARAN	-920417105017
R.GOWTHAM	-920417105021
P.VIJAY RAMKUMAR	-920417105101

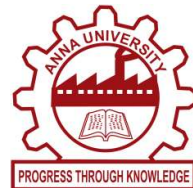
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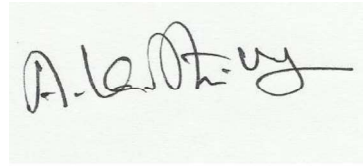
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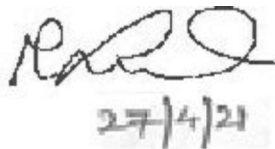
Certified that this project report “**FUZZY BASED WEIGHTED MIN-MAX CHARGE ALLOCATION FOR ELECTRIC VEHICLES**” is the bonafide work of “**S.Dinakaran(920417105017), R.Gowtham (920417105021), and P.Vijay RamKumar(920417105101)**” who carried out the project work under my supervision.



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27/4/21

INTERNAL EXAMINER



27/4/21

EXTERNAL EXAMINER

**MICROCONTROLLER BASED HOME AUTOMATION
SYSTEM USING RFID**

A PROJECT REPORT

Submitted by

SURYA PRAKASH S

-920417105092

SANJAY KANNAN M

-920417105077

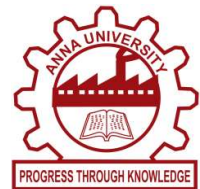
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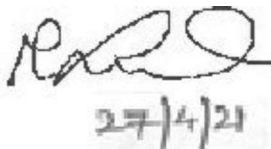
Certified that this project report “**MICROCONTROLLER BASED HOME AUTOMATION SYSTEM USING RFID**” is the bonafide work of “**S.SURYA PRAKASH (920417105092), and M.SANJAY KANNAN (920417105077)**” who carried out the project work under my supervision.



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INTERNAL EXAMINER



EXTERNAL EXAMINER

**AUTOMATIC HAND SANITIZER
DISPENSER**

A PROJECT REPORT

Submitted by

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D.S.SRIDHARAN -920417105087

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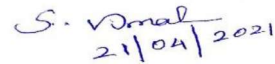
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Certified that this project report “**RFID BASED AUTOMATIC TEMPERATURE MONITORING SYSTEM**” is the bonafide work of “**P. Ajay Karthick (920417105002), PA. Muthu Vijayan (920417105058) and A.Praveen Kuman (920417105066)**” who carried out the project work under my supervision.




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INTERNAL EXAMINER



EXTERNAL EXAMINER

REAL TIME IOT BASED ENERGY METER AND FAULT IDENTIFICATION SYSTEM

A PROJECT REPORT

Submitted by

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P.PREETHA -920417105069

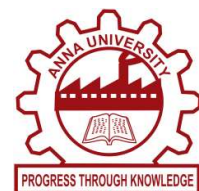
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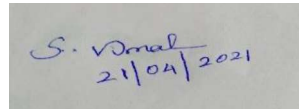
BONAFIDE CERTIFICATE

Certified that this project report “**REAL TIME IOT BASED ENERGY METER AND FAULT IDENTIFICATION SYSTEM**” is the bonafide work of “**PRIYANKA.L (920417105072), SABAREESHWARI.B(17UEEE077)** and **PREETHA.P(920417105069)**” who carried out the project work under my supervision.



SIGNATURE

PRINCEWINSTON D
HEAD OF THE DEPARTMENT
Professor and Head,
Department of Electrical & Electronics
Engineering,
Kamaraj College of Engineering and
Technology,
Virudhunagar.



SIGNATURE

VIMALADEVI S
SUPERVISOR
Assistant Professor,
Department of Electrical & Electronics
Engineering,
Kamaraj College of Engineering and
Technology,
Virudhunagar.

INTERNAL EXAMINER



EXTERNAL EXAMINER



ADAPTIVE STATE OF CHARGE ESTIMATOR FOR RECHARGEABLE BATTERIES USING MICROCONTROLLER

A PROJECT REPORT

Submitted by

J.K. SREE VIDHYA JANANI	-920417105086
S. GURUNANDHINI	-920417105023
T.A. ISHWARYA	-920417105026

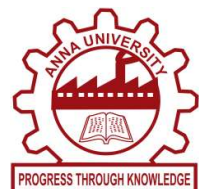
In partial fulfillment for the award of the degree

of

BACHELOR OF ENGINEERING

in

ELECTRICAL AND ELECTRONICS ENGINEERING



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution Affiliated to Anna University, Chennai)

K.VELLAKULAM – 625 701 (Near Virudhunagar)

APRIL 2021

KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution Affiliated to Anna University, Chennai)

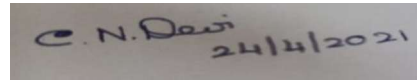
K.VELLAKULAM – 625 701 (Near Virudhunagar)

BONAFIDE CERTIFICATE

Certified that this project report “**ADAPTIVE STATE OF CHARGE ESTIMATOR FOR RECHARGEABLE BATTERIES USING MICROCONTROLLER**” is the bonafide work of “**J.K.SREE VIDHYA JANANI (920417105086), S.GURUNANDHINI (920417105023), T.A.ISHWARYA (920417105026)**” who carried out the project work under my supervision.



SIGNATURE
Dr. D. PRINCE WINSTON, M.E.,Ph.D.,
HEAD OF THE DEPARTMENT
PROFESSOR,
Department of EEE,
Kamaraj College of Engineering & Technology,
Virudhunagar.



SIGNATURE
Mrs.C.NAGADEVI,M.E.,(Ph.D.),
SUPERVISOR,
PROFESSOR,
Department of EEE,
Kamaraj College of Engineering & Technology,
Virudhunagar.



INTERNAL EXAMINER



EXTERNAL EXAMINER

SMART IRRIGATION METHOD USING IOT

A PROJECT REPORT

Submitted by

K.DINESH MOORTHY (920417105304)

D.AJITH KUMAR (920417105301)

A.ARUN KUMAR (920417105303)

In partial fulfillment of the requirements for the degree of

BACHELOR OF ENGINEERING

IN

ELECTRICAL AND ELECTRONICS ENGINEERING



KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution Affiliated to Anna University, Chennai)

K.VELLAKULAM - 625 701 (Near Virudhunagar)

APRIL 2021

KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY
(An Autonomous Institution Affiliated to Anna University, Chennai)

K.VELLAKULAM - 625 701 (Near Virudhunagar)

BONAFIDE CERTIFICATE

Certified that this report “**SMART IRRIGATION METHOD USING IOT**” is the bonafide work of **K.DINESH MOORTHY (920417105304)**, **D.AJITH KUMAR(920417105301)**, **A.ARUN KUMAR(920417105303)**,
Who carried out the project work under my supervision?

SIGNATURE

Dr. D. PRINCE WINSTON,
Professor and Head Of
Department Electrical and
Electronics Engineering,
Kamaraj College of Engineering
and Technology, Madurai.

INTERNAL EXAMINER

SIGNATURE

T. HARI PRASATH
SUPERVISOR
Assistant Professor
Department Electrical and
Electronics Engineering,
Kamaraj College of Engineering
and Technology, Madurai.

EXTERNAL EXAMINER

ASAFOETIDA DOUGH PRESS

A PROJECT REPORT

Submitted by

R.KARMUGILAN	-920417105034
P.KARTHIKEYAN	-920417105037
M.PANDIARAJ	-920417105062
T.KATHIRVEL	-920417105305

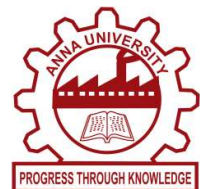
In partial fulfillment for the award of the degree

of

BACHELOR OF ENGINEERING

in

ELECTRICAL AND ELECTRONICS ENGINEERING



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

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K.VELLAKULAM – 625 701 (Near Virudhunagar)

APRIL 2021

KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

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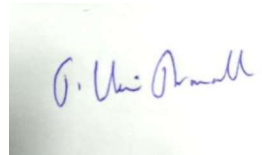
K.VELLAKULAM – 625 701 (Near Virudhunagar)

BONAFIDE CERTIFICATE

Certified that this project report “ASAFOETIDA DOUGH PRESS” is the bonafide work of “**R.KARMUGILAN (920417105034), P.KARTHIKEYAN (920417105037), M.PANDIARAJ (920417105062), and T.KATHIRVEL (920417105305)**” who carried out the project work under my supervision.



SIGNATURE
Dr. D. PRINCE WINSTON, M.E.,Ph.D.,
HEAD OF THE DEPARTMENT
PROFESSOR,
Department of EEE,
Kamaraj College of Engineering & Technology,
Virudhunagar.



SIGNATURE
T.HARI PRASATH M.E.,
SUPERVISOR,
ASSISTANT PROFESSOR,
Department of EEE,
Kamaraj College of Engineering & Technology,
Virudhunagar.


27/4/21

INTERNAL EXAMINER


27/4/21

EXTERNAL EXAMINER



SRI & CO fssai No: 12417032000646
Plot No: 44/D/38, Taluk Office Backside,
Virudhunagar
E-Mail: velsundar67@gmail.com
Ph. No.: 9443545364

Ref: ST/MAR 2021/1392-1

31-03-2021

TO WHOM SO EVER IT MAY CONCERN

This is to certify that Karmugilan R (920417105034) pursuing B.E. Final year (Electrical and Electronics Engineering) at Kamaraj College of Engineering and Technology (Autonomous), Madurai, has carried out his project work in our industrial premises from 10-02-2021 to 16-03-2021. He has shown his excellence in the Design of Enhanced Safety Hing Press Mechanism and during this training his conduct and character was GOOD. We wish him success in his future careers.

A rectangular box containing a handwritten signature in blue ink, which appears to be 'S. Sundaravel'.

(Mr. S. Sundaravel)
Proprietor



SRI & CO fssai No: 12417032000646

Plot No: 44/D/38, Taluk Office Backside,
Virudhunagar

E-Mail: velsundar67@gmail.com

Ph. No.: 9443545364

Ref: ST/MAR 2021/1392-2

31-03-2021

TO WHOM SO EVER IT MAY CONCERN

This is to certify that Karthikeyan P (920417105037) pursuing B.E. Final year (Electrical and Electronics Engineering) at Kamaraj College of Engineering and Technology (Autonomous), Madurai, has carried out his project work in our industrial premises from 10-02-2021 to 16-03-2021.. He has shown his excellence in the Design of Enhanced Safety Hing Press Mechanism and during this training his conduct and character was GOOD. We wish him success in his future careers.

A rectangular box containing a handwritten signature in blue ink, which appears to be 'S. Sundaravel'.

(Mr. S. Sundaravel)
Proprietor



SRI & CO fssai No: 12417032000646
Plot No: 44/D/38, Taluk Office Backside,
Virudhunagar
E-Mail: velsundar67@gmail.com
Ph. No.: 9443545364

Ref: ST/MAR 2021/1392-3

31-03-2021

TO WHOM SO EVER IT MAY CONCERN

This is to certify that Pandiaraj M (920417105062) pursuing B.E. Final year (Electrical and Electronics Engineering) at Kamaraj College of Engineering and Technology (Autonomous), Madurai, has carried out his project work in our industrial premises from 10-02-2021 to 16-03-2021.. He has shown his excellence in the Design of Enhanced Safety Hing Press Mechanism and during this training his conduct and character was GOOD. We wish him success in his future careers.

A rectangular box containing a handwritten signature in black ink, which appears to be 'S. Sundaravel'.

(Mr. S. Sundaravel)
Proprietor



SRI & CO fssai No: 12417032000646

Plot No: 44/D/38, Taluk Office Backside,
Virudhunagar

E-Mail: velsundar67@gmail.com

Ph. No.: 9443545364

Ref: ST/MAR 2021/1392-4

31-03-2021

TO WHOM SO EVER IT MAY CONCERN

This is to certify that Kathirvel T (920417105305) pursuing B.E. Final year (Electrical and Electronics Engineering) at Kamaraj College of Engineering and Technology(Autonomous), Madurai, has carried out his project work in our industrial premises from 10-02-2021 to 16-03-2021. He has shown his excellence in the Design of Enhanced Safety Hing Press Mechanism and during this training his conduct and character was GOOD. We wish him success in his future careers.

A handwritten signature in black ink, appearing to read 'S. Sundaravel', is placed on a light gray rectangular background.

(Mr. S. Sundaravel)
Proprietor

RF BASED SPEED CONTROL SYSTEM FOR ELECTRIC VEHICLES

A PROJECT REPORT

Submitted by

A.MOHAMED IRBHAN	-920417105051
B.MOHAMMED YASIN	-920417105053
K.PRASANNA	-920417105065
P.SELVA ARUN	-920417105080

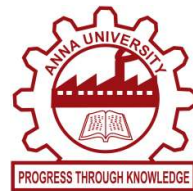
In partial fulfillment for the award of the degree

of

BACHELOR OF ENGINEERING

In

ELECTRICAL AND ELECTRONICS ENGINEERING



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution Affiliated to Anna University, Chennai)

K.VELLAKULAM – 625 701 (Near Virudhunagar)

APRIL 2021

KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution Affiliated to Anna University, Chennai)

K.VELLAKULAM – 625 701 (Near Virudhunagar)

BONAFIDE CERTIFICATE

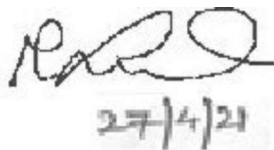
Certified that this project report “**RF BASED SPEED CONTROL SYSTEM FOR ELECTRIC VEHICLES**” is the bonafide work of “**A. MOHAMED IRBHAN (920417105051), B.MOHAMMED YASIN (920417105053), K.PRASANNA (920417105065), and P.SELVA ARUN (920417105080)**” who carried out the project work under my supervision.



SIGNATURE
Dr. D. PRINCE WINSTON, M.E., Ph.D.,
HEAD OF THE DEPARTMENT
PROFESSOR,
Department of EEE,
Kamaraj College of Engineering & Technology,
Virudhunagar.



SIGNATURE
Ms. R. REENU, M.E.,
SUPERVISOR,
ASSISTANT PROFESSOR,
Department of EEE,
Kamaraj College of Engineering & Technology,
Virudhunagar.



27/4/21

INTERNAL EXAMINER



27/4/21

EXTERNAL EXAMINER

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Course: M.E.,

Sub. Code: PS1321

Staff Name: Dr. D. Prince Winston

Sub. Name: Project work Phase I

Academic Year: 2021-22 (Odd Sem)

Class/Sem: II PSE / III Sem.

Regulation: 2020

L T P C:

0 0 12 6

PROJECT WORK PHASE I (2020-22) BATCH LIST

S. No	Name of the Student	Reg. No	Roll. No	Project Title	Guide Name
1	P.Sathya	920420PPS01	20PPS01	INVESTIGATION SON ELECTRICAL RECONFIGURAT ION IN SOLAR PV ARRAY	Dr. D. Prince Winston & Dr.S. Kalyani



Staff In Charge



HoD/EEE

JANUARY 2022

**INVESTIGATIONS ON ELECTRICAL
RECONFIGURATION IN SOLAR PV ARRAY**

PHASE I REPORT

Submitted by

**SATHYA P
Reg No. 920420PPS01**

In partial fulfillment for the award of the degree of

**MASTER OF ENGINEERING IN
POWER SYSTEMS ENGINEERING**



**DEPARTMENT OF ELECTRICAL AND
ELECTRONICS ENGINEERING**

**KAMARAJ COLLEGE OF ENGINEERING & TECHNOLOGY,
(An Autonomous Institution)
VIRUDHUNAGAR**

BONAFIDE CERTIFICATE

Certified that this project report “INVESTIGATIONS ON ELECTRICAL RECONFIGURATIONS IN SOLAR PV ARRAY” is the bonafide work of “ P.Sathya (20PPS01)” who carried out the project work under my supervision.



SIGNATURE

Dr. S. KALYANI, M.E., Ph.D.,


Co-guide

Professor

Department of EEE,

Kamaraj College of Engineering
and Technology,

Virudhunagar



SIGNATURE

Dr. D. PRINCE WINSTON, M.E., Ph.D.,

supervisor,

professor,

Department of EEE,

Kamaraj College of Engineering and
Technology,

Virudhunagar.



SIGNATURE

Dr. D. PRINCE WINSTON, M.E., Ph.D.

Head of the Department

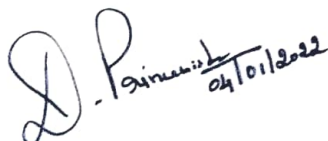
professor,

Department of EEE,

Kamaraj College of Engineering and
Technology,


Virudhunagar.

Certified that the candidates were examined by me in the Viva-Voce examination held at Kamaraj College of Engineering and Technology, Virudhunagar on 04/01/2022



INTERNAL EXAMINER

INTERNAL EXAMINER



EXTERNAL EXAMINER

EXTERNAL EXAMINER

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Course: M.E.,

Sub. Code: PS5411

Staff Name: Dr. B. GURUKARTHIK BABU

Sub. Name: Project work Phase II

Academic Year: 2021-22 (Even Sem)

Class/Sem: II PSE / IV Sem.

Regulation: 2017

L T P C: 0 0 12 6

PROJECT WORK PHASE II (2019-21) BATCH LIST

S. No	Name of the Student	Reg. No	Roll. No	Project Title	Guide Name
1	MANIKKAARTHIG A.S	920419411001	19PPSE01	A NEW STATIC RECONFIGURATI ON TECHNIQUE FOR SOLAR PV SYSTEMS	Dr. D. Prince Winston, M.E., Ph.D., HOD / EEE, KCET
2	PANDI SELVI.M	920419411002	19PPSE03	COMPARISON OF VARIOUS AI TECHNIQUES IN FAULT IDENTIFICATION SYSTEM	Guide : Dr.S.Kalyani, M.E., Ph.D., (Prof/EEE & COE-KCET) Co-Guide : Mr.S.Jegan, AP/EEE
3	RAJESH KANNAN.M	920419411003	19PPSE02	REAL TIME INDUSTRIAL AUTOMATION ON POULTRY INDUSTRY AND PRODUCT DEVELOPMENT	Internal Er. K. Ganesan. AP/ EEE External – P.THANGARA J. AEE-TNEB & CEO, SHARON SOLAR SOLUTION



Staff In Charge



HoD/EEE

A NEW STATIC RECONFIGURATION TECHNIQUE FOR SOLAR PV SYSTEMS

**A PROJECT
PHASE II REPORT**

Submitted by

**MANIKKAARTHIGA S
(920419411001)**

In partial fulfillment for the award of the degree

of

MASTER OF ENGINEERING

IN

POWER SYSTEMS ENGINEERING



**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY
(An Autonomous Institution Affiliated to Anna University, Chennai)**



K. VELLAKULAM – 625 701 (Near Virudhunagar)

APRIL 2021

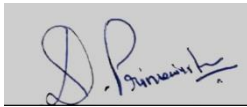
KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution Affiliated to Anna University, Chennai)

K. VELLAKULAM – 625 701 (Near Virudhunagar)

BONAFIDE CERTIFICATE

Certified that the Project Report “**A NEW STATIC RECONFIGURATION TECHNIQUE FOR SOLAR PV SYSTEMS**” is a bonafide work of **MANIKKAARTHIGA S (920419411001)** who carried out the project work under my supervision.



SIGNATURE

Dr. D. PRINCE WINSTON

Head of the Department,

Professor,

Department of Electrical and

Electronics Engg.,

Kamaraj College of Engg. & Tech.,

K. Vellakulam, Madurai



SIGNATURE

Dr. D. PRINCE WINSTON

Head of the Department,

Professor,

Department of Electrical and Electronics

Engg.,

Kamaraj College of Engg. & Tech.,

K. Vellakulam, Madurai



INTERNAL EXAMINER

Dr. B. Gurukarthik Babu



EXTERNAL EXAMINER

Dr. A. Shunmugalatha

COMPARISON OF VARIOUS ARTIFICIAL INTELLIGENCE TECHNIQUES IN FAULT IDENTIFICATION SYSTEM

A PROJECT REPORT

Submitted by,

M.PANDISELVI

- 920419411002

In partial fulfilment for the award of the degree

of

MASTER OF ENGINEERING

In

POWER SYSTEM ENGINEERING



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institution Affiliated To Anna University, Chennai)

K.Vellakulam – 625701 (near Virudhunagr)

JUNE 2021

KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY
(An Autonomous Institution Affiliated To Anna University, Chennai)

K.Vellakulam – 625701 (near Virudhunagr)

BONAFIDE CERTIFICATE

Certified that this project report “**COMPARISON OF VARIOUS ARTIFICIAL INTELLIGENCE FAULT IDENTIFICATION SYSTEM**” is the bonafide work of **M.Pandiselvi (920419411002)** who carried out the project work under my supervision.



SIGNATURE

Dr. D. Prince Winston, M.E., Ph.D.,
Head of the department
Professor,
Department of EEE,
Kamaraj college of engineering &
Technology, Madurai.



SIGNATURE

Dr. S. Kalyani, M.E., Ph.D.,
Professor/EEE and Dean (Examination),
Department of EEE,
Kamaraj college of engineering &
Technology, Madurai.

Certified that the candidates were examined by me in the Viva-Voce examination held at Kamaraj College of Engineering and Technology, Virudhunagar on 09-06-2021.



INTERNAL EXAMINER

Dr. B. Gurukarthik Babu



EXTERNAL EXAMINER

Dr. A. Shunmugalatha

**REAL TIME INDUSTRIAL AUTOMATION ON
POULTRY INDUSTRY AND PRODUCT
DEVELOPMENT
PHASE II REPORT**

Submitted by

RAJESH KANNAN M (920419411003)

In partial fulfillment for the award of the degree

of

MASTER OF ENGINEERING

in

POWER SYSTEM ENGINEERING



**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY
(An Autonomous Institution Affiliated to Anna University, Chennai)
K. VELLAKULAM – 625 701, MADURAI**

JUNE 2021

KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY
(An Autonomous Institution Affiliated to Anna University, Chennai)
K. VELLAKULAM – 625 701 MADURAI

BONAFIDE CERTIFICATE

This is certified that this project titled “**REAL TIME INDUSTRIAL AUTOMATION ON POULTRY INDUSTRY AND PRODUCT DEVELOPMENT**” is the bonafide work of **M.RAJESH KANNAN (920419411003)**, who carried out the work under my supervision. Certified further that to the best of my knowledge the work reported herein 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.

SIGNATURE



Dr. D. Prince Winston

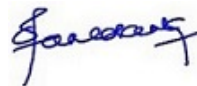
Head of the Department

Electrical and Electronics Engineerin

Kamaraj College of Engineering &

Technology, Madurai- 625 701

SIGNATURE



Er. K. Ganesan

Assistant Professor

Electrical and Electronics Engineering

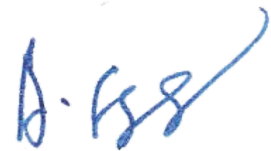
Kamaraj College of Engineering &

Technology, Madurai- 625 701



INTERNAL EXAMINER

Dr. B. Gurukarthik Babu



EXTERNAL EXAMINER

Dr. A. Shunmugalatha