



HP PPS INDIA OPERATIONS PVT.LTD
Ground to 3rd & 8th Floor
Block No 6A, Pritech Park SEZ
Marathahalli Outer Ring Road
Bellandur Village, Sarjapur
Bangalore - 560103

Date: 20/04/2018

BONAFIDE CERTIFICATE

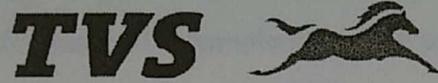
This is to certify that the project titled "PREDICTIVE ANALYSIS FOR PRINT TIME JOB IN LASER JET PRINTERS BY MACHINE LEARNING", is a bonafide work done under my supervision during the period January 2018 to April 2018, by K.S.SOWBIKHA, final year Electrical and Electronics Engineering student of Thiagarajar College of Engineering, Madurai, Tamil Nadu, in partial fulfillment for the requirement of B.E Degree in Electrical and Electronics Engineering of Anna University.

Signature of the Technical Lead

V. Sivakami
SIVAKAMI VELUSAMY
DEVICE FIRMWARE AND SOFTWARE
HP PPS INDIA OPERATIONS PVT.LTD.

CERTIFICATE

TVSMOTORCOMPANYLTD,HOSUR



This is to certify that the project on,
AUTONOMOUS VEHICLE CONTROL USING CAMERA

is a bonafide work of

KARTHICK.M (REGNO: 14E55)

KUMUDHAVALLI.T (REGNO: 14E64)

MOHANA PRIYA. S (REGNO: 14E72)

8th SEMESTER B.E.ELECTRICAL & ELECTRONICS ENGINEERING



**THIAGARAJAR COLLEGE OF ENGINEERING,
MADURAI**

who have successfully carried out the project work between **DECEMBER2017**
and **APRIL2018** under my supervision.

.....
Mr A.SRIKUMAR

LEAD ENGINEER
ADVANCED ENGINEERING GROUP
TVS MOTOR COMPANY LTD.

CERTIFICATE

TVS MOTOR COMPANY LTD, HOSUR



This is to certify that the project on,
AUTONOMOUS VEHICLE USING SENSORS

is a bonafide work of

ARUN GAYATHRI (REGNO: 14E10)

AR.JANAKI NARAYANI (REGNO: 14E40)

M.JYOTHI KANNAN (REGNO: 14E48)

8th SEMESTER B.E.ELECTRICAL & ELECTRONICS ENGINEERING



**THIAGARAJAR COLLEGE OF
ENGINEERING, MADURAI**

**who have successfully carried out the project work between
DECEMBER2017 and APRIL2018 under my supervision.**

A handwritten signature in black ink, appearing to read 'A. Srikumar', written over a dotted line.

Mr A. SRIKUMAR

LEAD ENGINEER
ADVANCED ENGINEERING GROUP
TVS MOTOR COMPANY LTD.



HP PPS INDIA OPERATIONS PVT.LTD

Ground to 3rd & 8th Floor
Block No 6A, Pritech Park SEZ
Marathahalli Outer Ring Road
Bellandur Village, Sarjapur
Bangalore – 560103

Date: 26/04/2018

BONAFIDE CERTIFICATE

This is to certify that project titled “**AUTOMATIC SCREEN REVIEWER FOR SIRIUS CONTROL PANEL**”, is a bonafide work done under my supervision during the period January 2018 to April 2018, by **G. MUTHU RAJA SEKAR**, final year Electrical and Electronics Engineering student of **Thiagarajar College of Engineering, Madurai, Tamil Nadu**, in partial fulfillment for the requirement of B.E Degree in Electrical and Electronics Engineering of Anna University.

A handwritten signature in black ink, appearing to read 'Ramakrishna Kandi', with a long horizontal line extending to the right.

Signature of the Technical lead

RAMAKRISHNA KANDI
DEVICE FIRWARE AND SOFTWARE
HP PPS INDIA OPERATIONS PVT.LTD.



CERTIFICATE



This is to certify that the 14EE880 Project entitled "*Bio-Electrical Impedance Signals: Analysis and Classification using Machine Learning*", being submitted by **Mr. Venkatesh Gopalakrishnan (14E 115)** in partial fulfillment for the requirement of **Bachelor of Engineering Degree in Electrical and Electronics Engineering**, is a record of bonafide work.

A handwritten signature in black ink, appearing to be "V. Gopalakrishnan".

Mr. Venkatesh Gopalakrishnan
(B.E. Student)

A handwritten signature in black ink, appearing to be "Yen Ching Chiuan".

Prof. Dr. Yen Ching Chiuan
(Supervisor)
Co-Director
Keio-NUS CUTE Center
Smart Systems Institute
National University of Singapore

Station: National University of Singapore

Date: 30-04-2018

HP PPS INDIA OPERATIONS PVT.LTD.
Block No 6A, Pritech Park SEZ, Sarjapur,
Marathahalli Outer Ring Road,
Bellandur Village, Bangalore - 560103



Date: 26.04.2018

BONAFIDE CERTIFICATE

This is to certify that project titled “**SIRIUS FAX SIMULATOR**”, is a bonafide work done under my supervision during the period January 2018 to April 2018, by **V.M. GOKUL NATH**, final year Electrical and Electronics Engineering student of **Thiagarajar College of Engineering, Madurai, Tamil Nadu**, in partial fulfillment for the requirement of B.E Degree in Electrical and Electronics Engineering of Anna University.

A handwritten signature in blue ink, appearing to read 'Venu Prasad'.

Signature of the Technical lead
venu PRASAD, GNANAMOORTHY
DEVICE AND FIRMWARE SOLUTIONS
HP PPS INDIA OPERATIONS PVT.LTD.

HP PPS INDIA OPERATIONS PVT.LTD.
Block No 6A, Pritech Park SEZ, Sarjapur,
Marathahalli Outer Ring Road,
Bellandur Village, Bangalore - 560103



Date: 26.04.2018

BONAFIDE CERTIFICATE

This is to certify that project titled “**SIRIUS FAX SIMULATOR**”, is a bonafide work done under my supervision during the period January 2018 to April 2018, by **V.M. GOKUL NATH**, final year Electrical and Electronics Engineering student of **Thiagarajar College of Engineering, Madurai, Tamil Nadu**, in partial fulfillment for the requirement of B.E Degree in Electrical and Electronics Engineering of Anna University.

A handwritten signature in black ink, appearing to read 'Venu Prasad'.

Signature of the Technical lead
VENU PRASAD, GNANAMOORTHY
DEVICE AND FIRMWARE SOLUTIONS
HP PPS INDIA OPERATIONS PVT.LTD.



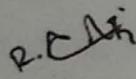
ZOHO Corporation Private Limited

Estancia IT Park, Plot No. 140, 151,
Vallanchery Village, Chergalpet Taluk,
Kancheepuram District - 603 202 Tamilnadu
Ph: +91-44-6744 7070, Fax: +91-44-2270 7172
www.zohocorp.com

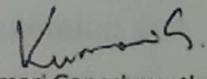
Dated : 28-Mar-2018

PROJECT COMPLETION CERTIFICATE

This is to certify that Mr/Ms. PT-1628/18 Syed Ikhlās S final year **Electrical and Electronics Engineering** of Thiagarajar College of Engineering has successfully completed his/her final year project titled **Zomato with Zoho Cliq and Channels in Cliq in Zoho Corporation Pvt Ltd**, from 04-Dec-2017 to 30-Mar-2018. During the above period, his/her performance and conduct were found to be Good.


Aravind Raj R
(Project Manager)




Kumari Ganeshmurthy
(Senior Associate-HR)



MICROCHIP

This is certifying that Ms. Reshma Subramanian (Employee ID: I20870) student of Thiagarajar College of Engineering, Madurai is undergoing her internship for a span of 6 months in CAD group of Microchip Technology, Chennai from December 11, 2017.

The title of her Project is "Power Network Design and Analysis of High Performance, Low Power ASIC Design".

The project on evaluation fulfills all stated criteria and your findings are your original work.

In the duration of internship, her candidature was found sincere and hardworking.

We congratulate her and wish her bright future.

Sincerely,

For Microchip Technology (India) Pvt. Ltd.

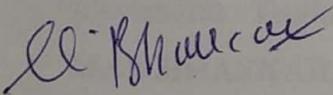
Sam Wilson
Human Resources
Date: April 12, 2018

Date: 11-04-2018

BONAFIDE CERTIFICATE

This is to certify that project titled "**Development and Testing of Next Generation Access Point with Wireless LAN Controller**", is a bonafide work done under my supervision during the period January 2018 to April 2018, by **R. Vasanthan**, final year Electrical and Electronics Engineering student of **Thiagarajar College of Engineering, Madurai, Tamil Nadu**, in partial fulfillment for the requirement of B.E. Degree in Electrical & Electronics Engineering of Anna University.

Signature of the Guide

A handwritten signature in blue ink, appearing to read "K. Bhaskar".

K. Bhaskar
Director of Engineering
embedUR systems India Private Limited

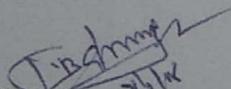
Date: 31.03.2018

To Whom So Ever It May Concern

This is to certify that **Mr. E. Venkatesh**, Final Year B.E, E.E.E, had undergone Internship training from 03.01.2018 to 31.03.2018 in our Organization. During this training tenure, his Contact and Character were good.

We wish him great success for future endeavors.

For **VOLTECH MANUFACTURING COMPANY LTD**


T. Balamurugan

Manager HR

Factory 1 : VOLTECH TECHNO PARK No.132,133 &134 Sri Kumaran Nagar, Kundrathur Main Road, Kovur, Chennai - 600128.
Phone : +91-44-64586126, Email : vmc@voltechgroup.com, Web : www.voltechgroup.com

Factory 2 : VOLTECH TECHNO PARK, No.2/431-B, Sri Kumaran Nagar, Kundrathur Main Road, Kovur, Chennai - 600128.
Phone : +91-44-29301092, Email : panel@voltechgroup.com, Web : www.voltechgroup.com



ZOHO Corporation Private Limited

Estancia IT Park, Plot No. 140, 151,
Vallanchery Village, Chengalpet Taluk,
Kancheepuram District - 603 202 Tamilnadu.
Ph: +91- 44 - 6744 7070, Fax: +91 - 44 - 2270 7172
www.zohocorp.com

Dated : 23-May-2018

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Saravanan S of Bachelor of Engineering - EEE Department has undergone his/her final semester curriculum project at our premises with effect from 23-May-2018. The title of the project is "**Data Extraction From KYC Documents**". During the project his/her attendance for the period 04-Dec-2017 till 15-May-2018 was regular.

Yours Sincerely,

for ZOHO Corporation Private Limited,



Sangeetha Balaji

Assistant Manager – HR Operations



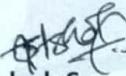
ZOHO Corporation Private Limited

Estancia IT Park, Plot No. 140, 151,
Vallanchery Village, Chengalpet Taluk,
Kancheepuram District - 603 202 Tamilnadu.
Ph: +91- 44 - 6744 7070, Fax: +91 - 44 - 2270 7172
www.zohocorp.com

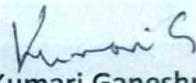
Dated : 19-Apr-2018

PROJECT COMPLETION CERTIFICATE

This is to certify that **Mr/Ms. Nandhakumar R PT-1730/18** final year EEE of Thiagarajar College of Engineering has successfully completed his/her final year project titled Secured Customer Details and Rest API in **Zoho Corporation Pvt Ltd**, from 13-Dec-2017 to 19-Apr-2018. During the above period, his/her performance and conduct were found to be Good.


Ashok S
Project Manager




Kumari Ganeshmurthy
Senior Associate - HR

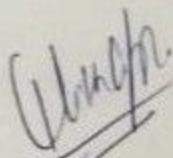
April 26, 2018

To whomsoever it may concern,

Ajithkumar Raja did his internship with us from 03rd January, 2018 till 26th April, 2018.

During this tenure he is working on Test case coverage for functional test case.

We found him to be good in his work and quick in getting to the context of the works.



Mithun Gupta
Senior Manager- Human Resources

PROJECT COMPLETION CERTIFICATE

This is to certify that **LOKESHWARAN G, FINAL** year **B.E- in ELECTRICAL AND ELECTRONICS ENGINEERING** of **THIAGARAJAR COLLEGE OF ENGINEERING, Madurai** has completed his Project **“SHORT CIRCUIT COORDINATION STUDY FOR KAP-5 PROJECT”** Successfully for Saudi Manufacturing Operation & Technical Systems Co (MOTS), Riyadh, Saudi Arabia, from **20-12-2017 to 02-03-2018**.

For Saudi Manufacturing Operation & Technical Systems
Co.(MOTS)

Hassan
03-03-18

شركة التصنيع السعودية للأنظمة الفنية
الإدارة الفنية
Technical Department

Engr. Hassan Hosni
Engineering Head

00966540232899

PROJECT COMPLETION CERTIFICATE

This is to certify that **MOHAN MANICKA VASAGAM J**, FINAL year **B.E-** in **ELECTRICAL AND ELECTRONICS ENGINEERING** of **THIAGARAJAR COLLEGE OF ENGINEERING**, Madurai has completed his Project **“SHORT CIRCUIT COORDINATION STUDY FOR KAP-5 PROJECT”** Successfully for Saudi Manufacturing Operation & Technical Systems Co (MOTS), Riyadh, Saudi Arabia, from **20-12-2017** to **02-03-2018**.

For Saudi Manufacturing Operation & Technical Systems
Co.(MOTS)

Hassa
03-03-18

شركة التصنيع السعودية للأنظمة الفنية
الإدارة الفنية
Technical Department
MANUFACTURING OPERATION & TECHNICAL SYSTEMS CO

Engr. Hassan Hosni

Engineering Head

0540232899



Dated : 23-Apr-2018

PROJECT COMPLETION CERTIFICATE

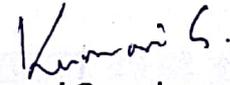
This is to certify that **Mr/Ms. Ramasamy V PT-1725/18** final year EEE of Thiagarajar College of Engineering has successfully completed his/her final year project titled Secured Customer Details and REST API in **Zoho Corporation Pvt Ltd**, from 13-Dec-2017 to 23-Apr-2018. During the above period, his/her performance and conduct were found to be Good.



Akilan T S

Project Manager





Kumari Ganeshmurthy

Senior Associate - HR

Name	Gnana Prakash Y
Department	Human Resources
Phone	+91 (44) 8878 4005
Fax	+91 (44) 8878 4011
Mobile	+91 9962343448
E-mail	gnana.prakash@siemens.com
Your letter of Our reference	SL/HR/CHE
Date	30.03.2018

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. Sai Krishna. V** from Thiagarajar College of Engineering has undertaken his Internship in our Chennai office. The duration of his project work was from 18.12.2017 to 30.03.2018

His work & conduct during the project work was good.

We wish him all the best for a bright and prosperous career.

Yours faithfully,
SIEMENS LTD



Gnana Prakash Y
Human Resources

Siemens Ltd.
Management: Sunil Mathur

Birsa Aurora, Level 21, Plot No,
1060, Dr. Annie Besant Road,
Worli, Mumbai – 400030
India

Tel: +91 (22) 3967 7000

Registered Office: Birsa Aurora, Level 21, Plot No. 1060, Dr. Annie Besant Road, Worli, Mumbai – 400030. Corporate Identity number: L28920MH1957PLC010839.
Tel: +91 (22) 3967 7000; Fax: +91 22 3967 7500;
Contact / Email: www.siemens.co.in/contact; Website: www.siemens.co.in.
Sales Offices: Ahmedabad, Bengaluru, Bhopal, Bhubaneswar, Chandigarh, Chennai, Coimbatore, Gurgaon, Hyderabad, Jaipur, Jamshedpur, Kharghar, Kolkata, Lucknow, Kochi, Mumbai, Nagpur, Navi Mumbai, New Delhi, Puducherry, Pune, Vadodara, Visakhapatnam.

THIAGARAJAR COLLEGE OF ENGINEERING

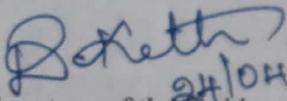
(An Autonomous Institution Affiliated to Anna University)

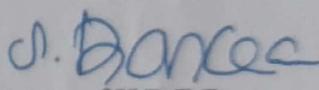
MADURAI – 625 015.



CERTIFICATE

Certified that this is a bonafide record of the E84 Project Work & Viva Voce done by Ms.S.K.AARTHI(14E01), Ms.A.ELAKYA(14E27) and Ms.V.J.KARPAGA PRIYA (14E54) of Eighth Semester B.E. Electrical and Electronics Engineering during the year 2017 - 2018.

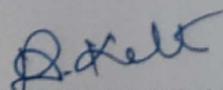

Signature of the Guide

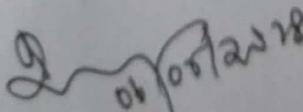

Signature of H.D.E.E.

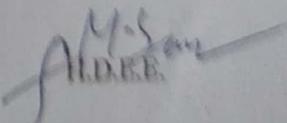
Station: Madurai

Date:

Submitted for Viva-Voce examination held at Thiagarajar College of Engineering, Madurai – 625 015, on 06/05/2018


INTERNAL EXAMINER


EXTERNAL EXAMINER


H.D.E.E.

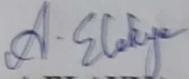
CERTIFICATE

This is to certify that the Project Work Report entitled "MAGNETIC LEVITATION OF HOMES DURING EARTHQUAKE", being submitted by Ms.S.K.AARTHI, Ms.A.ELAKYA and Ms.V.J.KARPAGA PRIYA in partial fulfillment for the requirement of Bachelor of Engineering Degree in Electrical and Electronics Engineering, is a record of bonafide work. The results embodied in this report have not been submitted to any other university or institute for the award of any degree or diploma.



Ms.S.K.AARTHI

(B.E. STUDENT)



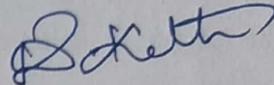
Ms.A.ELAKYA

(B.E. STUDENT)



Ms.V.J.KARPAGA PRIYA

(B.E. STUDENT)



Dr. D.KAVITHA

(GUIDE)

Station: Madurai

Date: 24/04/18

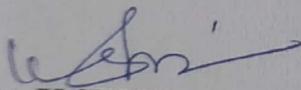
THIAGARAJAR COLLEGE OF ENGINEERING
(An Autonomous Institution Affiliated to Anna University)

MADURAI – 625 015

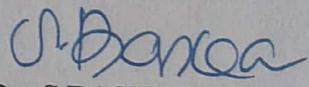


CERTIFICATE

Certified that this is a bonafide record of the 14EE880 Project done by
Miss.N.JAYASREE (Reg.No.14E42) Miss.J.JENISH SWEETLIN BRIGHT
(Reg.No.14E43) Miss.J.JESLIN KEBA (Reg.No.14E44) of Eighth Semester
B.E (Electrical & Electronics Engineering), during the year 2017-2018.


Dr. K.SELVI

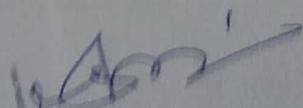
Associate Professor
Department of Electrical & Electronics Engg.
(Guide)

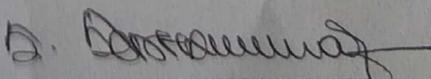

Dr. S.BASKAR
Professor & Head
Department of EEE

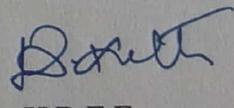
Station: Madurai

Date:

Submitted for VIVA-VOCE examination held at Thiagarajar College of
Engineering, Madurai – 625 015, on 05/05/18.


INTERNAL EXAMINER

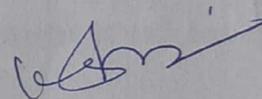

EXTERNAL EXAMINER


H.D.E.E
fr

BONAFIDE CERTIFICATE

This is to certify that the 14EE880 Project Report entitled "*Maximum Power point Tracking Scheme For Solar Photovoltaic System*", being submitted by *N.JAYASREE, J.JENISH SWEETLIN BRIGHT, J.JESLIN KEBA* in partial fulfillment for the requirement of **B.E. Degree in Electrical & Electronics Engineering** is a record of bonafide work. The results embodied in this report have not been submitted to any other university or institute for the award of any degree or diploma.

N. Jayasree
Miss.N.JAYASREE
J. Jenish Sweetlin Bright
Miss.J.JENISH SWEETLIN BRIGHT
J. Jeslin Keba
Miss.J.JESLIN KEBA


Dr.K.Selvi
(Guide)

Station: Madurai

Date: *24/4/2018*

THIAGARAJAR COLLEGE OF ENGINEERING

(An Autonomous Institution Affiliated to Anna University)

MADURAI – 625 015.



CERTIFICATE

certified that this is a bonafide record of the 14EE880 Project & Viva Voce done by **Ms.M.Kanagaselvaramu (14E51)**, **Mr.N.Balaji (14E131)** and **Mr.K.Tamilarasan (14E150)** of Eighth Semester B.E. Electrical and Electronics Engineering during the year 2017 - 2018.

Signature of the Guide

Signature of H.D.E.E

Station: Madurai

Date: 02/05/18

Submitted for Viva-Voce examination held at Thiagarajar College of Engineering, Madurai – 625 015, on 06/05/2018.

INTERNAL EXAMINER

EXTERNAL EXAMINER

H.D.E.E

CERTIFICATE

This is to certify that the **14EE880** Project Report entitled "**DEVELOPMENT OF MINIATURE HEAT EXCHANGER INTEGRATED WITH DCS**", being submitted by **Ms.M.Kanagaselvaramu, Mr.N.Balaji and Mr.K.Tamilarasan** in partial fulfillment for the requirement of **Bachelor of Engineering Degree in Electrical and Electronics Engineering**, is a record of bonafidework. The results embodied in this report have not been submitted to any other university or institute for the award of any degree or diploma.

M. S. Ramu
Ms.M.Kanagaselvaramu
(B.E. STUDENT)

N. Balaji
Mr.N.Balaji
(B.E. STUDENT)

K. Tamilarasan
Mr.K.Tamilarasan
(B.E. STUDENT)

V. Mahesh
Dr.V.Mahesh
(Guide)

Station: Madurai

Date: *02/05/24*

THIAGARAJAR COLLEGE OF ENGINEERING

(An Autonomous Institution Affiliated to Anna University)

MADURAI – 625 015.



CERTIFICATE

Certified that this is a bonafide record of the 14EE880 Project & Viva Voce done by Ms.RENUKA.G (14E92) and Ms.SHARMILA DEVI.G.R (14E102) of Eighth Semester B.E. Electrical and Electronics Engineering during the year 2017 - 2018.

Signature of the Guide

Dr.R.HELEN
Assistant Professor
Department of Electrical & Electronics Engg.

Signature of H.D.E.E

Dr. S.BASKAR
Professor & Head
Department of EEE

Station: Madurai

Date: 25-04-18

Submitted for Viva-Voce examination held at Thiagarajar College of Engineering, Madurai – 625 015, on 6/5/18.

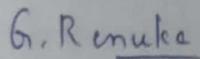
INTERNAL EXAMINER

EXTERNAL EXAMINER

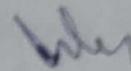
H.D.E.E.

BONAFIDE CERTIFICATE

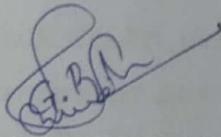
This is to certify that the 14EE880 Project Report entitled "*Gesture based automation using FPGA*", being submitted by Ms. RENUKA.G and Ms. SHARMILA DEVI.G.R in partial fulfillment for the requirement of *Bachelor of Engineering Degree in Electrical and Electronics Engineering*, is a record of *bonafide work*. The results embodied in this report have not been submitted to any other *university or institute* for the award of any degree or diploma.



Ms.RENUKA.G
(B.E. STUDENT)



Dr.R.HELEN
(GUIDE)



Ms.SHARMILA DEVI.G.R
(B.E. STUDENT)

Station: Madurai

Date: 25-04-18

THIAGARAJAR COLLEGE OF ENGINEERING

(An Autonomous Institution Affiliated to Anna University)

MADURAI - 625 015.



CERTIFICATE

Certified that this is a bonafide record of the 14EE880 Project & Viva Voce done Ms.S.S.Gayathri (14E29), Ms.P.Jeyasheela (14E46) and Mr.P.Karthick (14E56) of Eighth Semester B.E. Electrical and Electronics Engineering during the year 2017 - 2018.

26.04.18

Signature of the Guide

Signature of H.D.E.E

Station: Madurai

Date: 26.04.2018

Submitted for Viva-Voce examination held at Thiagarajar College of Engineering,
Madurai - 625 015, on 06.05.2018

6/5/18

INTERNAL EXAMINER

EXTERNAL EXAMINER

H.D.E.E.

BONAFIDE CERTIFICATE

This is to certify that the 14EE880 Project Report entitled "ATM SECURITY WITH ILLUSION PIN USING RASPBERRY PI", being submitted by Ms.S.S.Gayathri , Ms.P.Jeyasheela and Mr.P.Karthick in partial fulfillment for the requirement of Bachelor of Engineering Degree in Electrical and Electronics Engineering, is a record of bonafide work. The results embodied in this report have not been submitted to any other university or institute for the award of any degree or diploma.

S.S.Gayathri
Ms.S.S.Gayathri
(B.E. STUDENT)

P.Jeyasheela
Ms.P.Jeyasheela
(B.E. STUDENT)

P.Karthick
Mr.P.Karthick
(B.E. STUDENT)

Helen
Dr.R.Helen
(GUIDE)

Station: Madurai

Date: 26.04.2018

THIAGARAJAR COLLEGE OF ENGINEERING

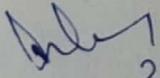
(An Autonomous Institution Affiliated to Anna University)

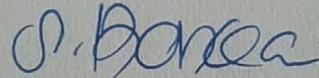
MADURAI – 625 015.



BONAFIDE CERTIFICATE

Certified that this is a bonafide record of the 14EE880 Project done by **Mr.K.Aravindan** (Reg.No.14E09) **Mr.K.Karthik** (Reg.No.14E57) and **Mr.S.Vimal Raaj** (Reg.No.14E121) of Eighth Semester B.E. Electrical and Electronics Engineering during the year 2017 - 2018.

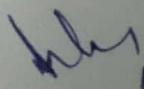

Signature of the Guide 26/4/18

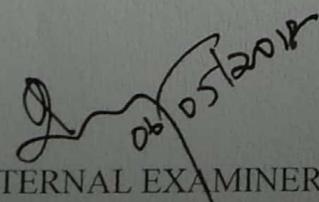

Signature of H.D.E.E

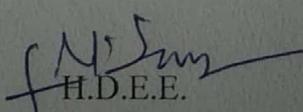
Station: Madurai

Date: 26.04.18

Submitted for Viva-Voce examination held at Thiagarajar College of Engineering, Madurai – 625 015, on 06.05.2018.

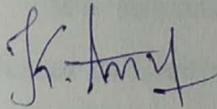

INTERNAL EXAMINER 06/5/18


EXTERNAL EXAMINER 06/05/2018

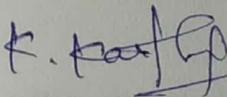

H.D.E.E.

CERTIFICATE

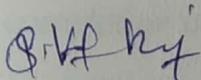
This is to certify that the 14E880 Project Report entitled "**BORDER LOCALIZATION USING GPS AND CONTROLLING THE MOVEMENT OF THE ROBOT**", being submitted by Mr.K.ARAVINDAN, Mr.K.KARTHIK and Mr.S.VIMAL RAAJ in partial fulfillment for the requirement of **Bachelor of Engineering Degree in Electrical and Electronics Engineering**, is a record of bonafide work. The results embodied in this report have not been submitted to any other university or institute for the award of any degree or diploma.



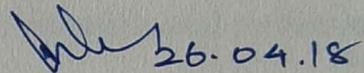
Mr.K.ARAVINDAN



Mr.K.KARTHIK



Mr.S.VIMAL RAAJ

 26.04.18

Dr.R.HELEN

(GUIDE)

Station: Madurai

Date: 26.04.2018

THIAGARAJAR COLLEGE OF ENGINEERING

(An Autonomous Institution Affiliated to Anna University)

MADURAI – 625 015.



CERTIFICATE

Certified that this is a bonafide record of the 14EE880 Project & Viva Voce done by Miss.K.AMALA RANI (Reg.No.14E06), Miss.S.ARUNA DEVI (Reg.No.14E11) and Miss.R.DIVYA (Reg.No.14E25) of Eighth Semester B.E Electrical and Electronics Engineering during the year 2017 - 2018.

Dr.N.SHANMUGA VADIVOO
Assistant Professor
Department of Electrical & Electronics Engg.
(Guide)

Dr. S.BASKAR
Professor & Head
Department of EEE

Station: Madurai

Date: 27.4.18.

Submitted for VIVA - VOCE examination held at Thiagarajar College of Engineering, Madurai – 625 015, on 05/05/18.

INTERNAL EXAMINER

EXTERNAL EXAMINER

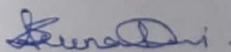
H.D.E.E.

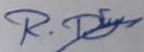
BONAFIDE CERTIFICATE

This is to certify that the 14EE880 Project Report entitled "*Design and implementation of improved MPPT algorithm based SEPIC converter for solar PV system*", being submitted by K.AMALA RANI, S.ARUNA DEVI and R.DIVYA in partial fulfillment for the requirement of **Bachelor of Engineering Degree in Electrical and Electronics Engineering**, is a record of bonafide work. The results embodied in this report have not been submitted to any other university or institute for the award of any degree or diploma.


Ms.K.AMALA RANI


Dr.N.SHANMUGA VADIVOO
(GUIDE)


Ms.S.ARUNA DEVI


Ms.R.DIVYA

Station: Madurai

Date: 27/4/18

THIAGARAJAR COLLEGE OF ENGINEERING

(An Autonomous Institution Affiliated to Anna University)

MADURAI – 625 015.



CERTIFICATE

Certified that this is a bonafide record of the 14E880 Project Work & Viva Voce done by **Mr. SAKTHI VISHNUS** (14E96), **Mr. SETHU NANDAN.O.G**(14E101) and **Mr. VIGNESH.S** (14E119) of Eighth Semester B.E. Electrical and Electronics Engineering during the year 2017 - 2018.

Signature of the Guide

Signature of H.D.E.E

Station: Madurai

Date: 5/5/18

Submitted for Viva-Voce examination held at Thiagarajar College of Engineering, Madurai – 625 015, on 5/5/18

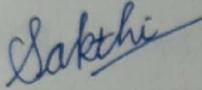
INTERNAL EXAMINER

EXTERNAL EXAMINER

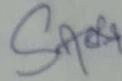
H.D.E.E.

CERTIFICATE

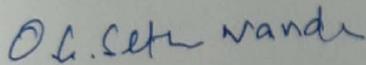
This is to certify that the 14E880 Project Work Report entitled "*FACE RECOGNITION USING QUADCOPTERS*", being submitted by Mr. SAKTHI VISHNU.S, Mr. SETHU NANDAN.O.G and Mr. VIGNESH.S in partial fulfillment for the requirement of Bachelor of Engineering Degree in Electrical and Electronics Engineering, is a record of bonafide work. The results embodied in this report have not been submitted to any other university or institute for the award of any degree or diploma.



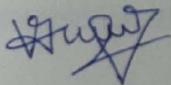
Mr. SAKTHI VISHNU.S
(B.E. STUDENT)



Dr/ ~~Dr.~~ S.AROCKIA EDWIN XAVIER
(GUIDE)



Mr. SETHU NANDAN.O.G
(B.E. STUDENT)



Mr. VIGNESH.S
(B.E. STUDENT)

Station: Madurai

Date:

THIAGARAJAR COLLEGE OF ENGINEERING

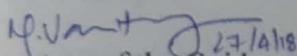
(An Autonomous Institution Affiliated to Anna University)

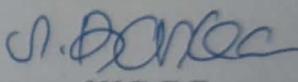
MADURAI – 625 015.



CERTIFICATE

Certified that this is a bonafide record of the 14EE880 Project & Viva Voce done by **Mr.M.VIGNESH** (Reg.No.14E118), **Mr.R.MUTHUVEL** (Reg.No.14E140) & **Mr.M.SANGILIRAJ** (Reg.No.14E146) of Eighth Semester B.E. Electrical and Electronics Engineering during the year 2017 - 2018.

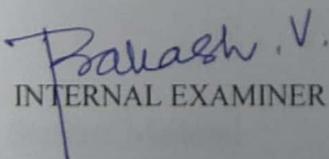

Signature of the Guide

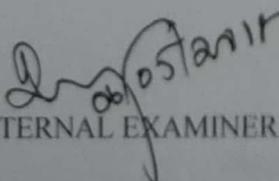

Signature of H.D.E.E

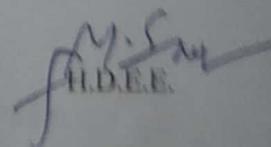
Station: Madurai

Date: 27/4/18

Submitted for Viva-Voce examination held at Thiagarajar College of Engineering, Madurai – 625 015, on 06-05-18.

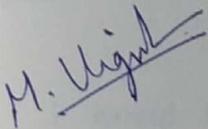

INTERNAL EXAMINER


EXTERNAL EXAMINER

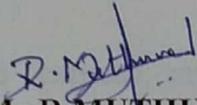

H.D.E.E.

CERTIFICATE

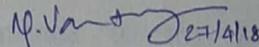
This is to certify that the **14EE880** Project Report entitled "**DEVELOPMENT AND CONTROL OF QUADRUPLE TANK SYSTEM INTEGRATING WITH DCS**", being submitted by **Mr.M.VIGNESH** (Reg.No.14E118), **Mr.R.MUTHUVEL** (14E140) & **Mr.M.SANGILIRAJ** (Reg.No.14E146) in partial fulfillment for the requirement of **Bachelor of Engineering Degree in Electrical and Electronics Engineering**, is a record of bonafide work. The results embodied in this report have not been submitted to any other university or institute for the award of any degree or diploma.



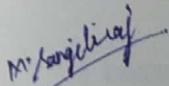
Mr.M.VIGNESH
(B.E. STUDENT)



Mr.R.MUTHUVEL
(B.E.STUDENT)



Mr.M.VARATHARAJAN
(GUIDE)



Mr.M.SANGILIRAJ
(B.E.STUDENT)

Station: Madurai

Date: 27/4/18

THIAGARAJAR COLLEGE OF ENGINEERING

(An Autonomous Institution Affiliated to Anna University)

MADURAI - 625 015.



CERTIFICATE

Certified that this is a bonafide record of the 14EE880 Project & Viva Voce done by Ms. B.KAVIPRIYA (14E58), Ms. P.VEALATCHI (14E114) and Ms. M.VINOTHNI (14E124) of Eighth Semester B.E. Electrical and Electronics Engineering during the year 2017 - 2018.

Signature of the Guide

Signature of H.D.E.E

Station: Madurai

Date: 06.05.2018

Submitted for Viva-Voce examination held at Thiagarajar College of Engineering, Madurai - 625 015, on 06.05.2018.

INTERNAL EXAMINER

EXTERNAL EXAMINER

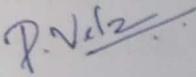
H.D.E.E.

BONAFIDE CERTIFICATE

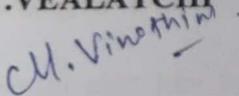
This is to certify that the 14EE880 Project Report entitled "*EFFECTIVE UTILIZATION OF SOLAR ENERGY IN DC MICROGRID ENVIRONMENT*", being submitted by Ms. B.KAVIPRIYA, P.VEALATCHI and Ms. M.VINOTHINI in partial fulfillment for the requirement of Bachelor of Engineering Degree in Electrical and Electronics Engineering, is a record of bonafide work. The results embodied in this report have not been submitted to any other university or institute for the award of any degree or diploma.



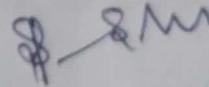
Ms. B.KAVIPRIYA



Ms.P.VEALATCHI



Ms.M.VINOTHINI



Dr.G.SIVASANKAR

(GUIDE)

Station: Madurai

Date: 06.05.2018

THIAGARAJAR COLLEGE OF ENGINEERING

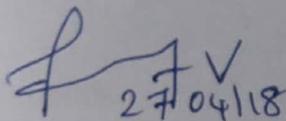
(An Autonomous Institution Affiliated to Anna University)

MADURAI - 625 015.

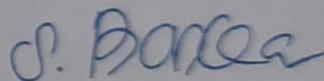


CERTIFICATE

Certified that this is a bonafide record of the 14EE880 Project & Viva Voce done by **Mr.M.Balasubramanian (14E16), Mr.A.Boobathi(14E19) and Mr.G.Durga Raj (14E26)** of Eighth Semester B.E. Electrical and Electronics Engineering during the year 2017 - 2018.


27/04/18

Signature of the Guide



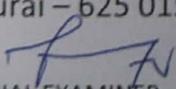
Signature of H.D.E.E

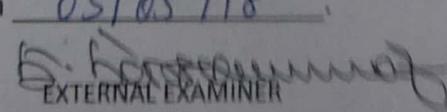
Station: Madurai

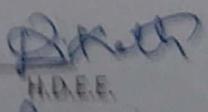
Date: 21/5/18

Submitted for Viva-Voce examination held at Thiagarajar College of Engineering,

Madurai - 625 015, on 05/05/18.


INTERNAL EXAMINER

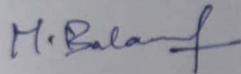

EXTERNAL EXAMINER


H.D.E.E.

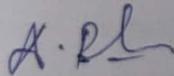
CERTIFICATE

This is to certify that the 14EE880 Project Report entitled "*UNINTERRUPTED POWER SUPPLY FROM SOLAR ENERGY*", being submitted by Mr.R.Balasubramanian (14E16), Mr.A.Boobathi(14E19) and Mr.Durga Raj (14E26) in partial fulfillment for the requirement of **Bachelor of Engineering Degree in Electrical and Electronics Engineering**, is a record of bonafide work. The results embodied in this report have not been submitted to any other university or institute for the award of any degree or diploma.

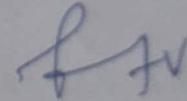
Mr.R.Balasubramanian
(B.E STUDENT)



Mr.A.Boobathi
(B.E STUDENT)



Mr.V.Seetharaman
(GUIDE)



Ms.G.Durga Raj
(B.E STUDENT)



Station: Madurai

Date: 27/4/18

THIAGARAJAR COLLEGE OF ENGINEERING

(An Autonomous Institution Affiliated to Anna University)

MADURAI – 625 015.



CERTIFICATE

Certified that this is a bonafide record of the 14EE880 Project & Viva Voce done by **Mr.S.CHARLES(14E20), Mr.C.KAMESH SUBRAMANIAN(14E50) and Mr.S.ANANTHARAJ(14E126)** of Eighth Semester B.E. Electrical and Electronics Engineering during the year 2017 - 2018.

N. Changanval

Signature of the Guide

J. Dhanes

Signature of H.D.E.E

Station: Madurai

Date: 27-4-2018

Submitted for Viva-Voce examination held at Thiagarajar College of Engineering, Madurai – 625 015, on 5/5/2018.

N. Changanval

INTERNAL EXAMINER

S. Anantharaj

EXTERNAL EXAMINER

J. Dhanes

H.D.E.E.

CERTIFICATE

This is to certify that the 14EE880 Project Report entitled "*HOME AUTOMATION USING ARDUINO*", being submitted by **Mr.S.CHARLES (14E20)**, **Mr.C.KAMESH SUBRAMANIAN (14E50)** and **Mr.S.ANANTHARAJ (14E126)** in partial fulfilment for the requirement of **Bachelor of Engineering Degree in Electrical and Electronics Engineering**, is a record of bonafide work. The results embodied in this report have not been submitted to any other university or institute for the award of any degree or diploma.

S. Charles

Mr.S.CHARLES
(B.E. STUDENT)

Kamesh Subramanian

Mr.C.KAMESH SUBRAMANIAN
(B.E.STUDENT)

N. Shanmugavadivoo

Dr.N.SHANMUGAVADIVOO
(GUIDE)

S. Anantharaj

Mr.S.ANATHARAJ
(B.E.STUDENT)

Station: Madurai

Date: *27-4-2018*

Thiagarajar College of Engineering, Madurai - 625015, on _____

THIAGARAJAR COLLEGE OF ENGINEERING

(An Autonomous Institution Affiliated to Anna University)

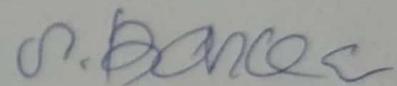
MADURAI – 625 015.



CERTIFICATE

Certified that this is a bonafide record of the E84 Project Work & Viva Voce done by **Mr.V.SATHESH KUMAR (14E147)**, **Mr.R.NAVANEETHAN (14E141)** and **Ms.V.BALA MURUGAN (14E129)** of Eighth Semester B.E. Electrical and Electronics Engineering during the year 2017 - 2018.


Signature of the Guide

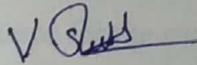

Signature of H.D.E.E

Station: Madurai

Date: 02/05/18

CERTIFICATE

This is to certify that the E84 Project Work Report entitled "*E-BICYCLE*", being submitted by Mr. V.SATHESH KUMAR, Mr. R.NAVANEETHAN and Mr. V.BALA MURUGAN in partial fulfillment for the requirement of **Bachelor of Engineering Degree in Electrical and Electronics Engineering**, is a record of bonafide work. The results embodied in this report have not been submitted to any other university or institute for the award of any degree or diploma.



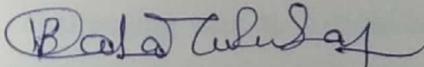
Mr. V.SATHESH KUMAR
(B.E. STUDENT)



Dr. V.MAHESH
(GUIDE)



Mr. R.NAVANEETHAN
(B.E. STUDENT)



Mr. V.BALA MURUGAN
(B.E. STUDENT)

Station: Madurai

Date: 02/05/16

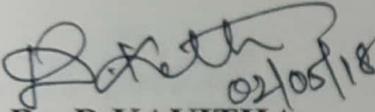
THIAGARAJAR COLLEGE OF ENGINEERING

(An Autonomous Institution Affiliated to Anna University)

MADURAI- 625015



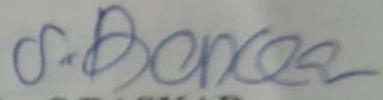
Certified that this is a bonafide record of the 14EE880 Project done by Mr.K.SATHISH (Reg.No.14E100) Mr.V.VINOTHKUMAR(Reg.No.14E125) Mr.R.MUTHUKRISHNAN(Reg.No.14E139) of Eighth Semester B.E (Electrical & Electronics Engineering), during the year 2017-2018.


02/05/18
Dr. D.KAVITHA

Assistant Professor

Department of Electrical & Electronics Engg.

(Guide)


Dr. S.BASKAR

Professor & Head

Department of EEE

Station: Madurai

Date: 02/05/2018

BONAFIDE CERTIFICATE

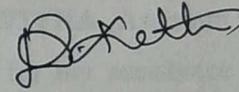
ACKNOWLEDGMENT

This is to certify that the 14EE880 Project Work Report entitled "HUMAN DETECTION ROBOT IN DISASTER AREAS", being submitted by Mr. K.SATHISH, Mr. V.VINOTHKUMAR and Mr. R.MUTHUKRISHNAN in partial fulfillment for the requirement of Bachelor of Engineering Degree in Electrical and Electronics Engineering, is a record of bonafide work. The results embodied in this report have not been submitted to any other university or institute for the award of any degree or diploma.



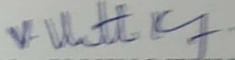
Mr. K.SATHISH

(B.E. STUDENT)



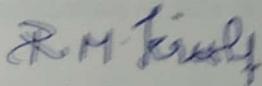
Dr. D.KAVITHA

(GUIDE)



Mr. V.VINOTHKUMAR

(B.E. STUDENT)



Mr. R.MUTHUKRISHNAN

(B.E. STUDENT)

Station: Madurai

Date: 02/05/2018

THIAGARAJAR COLLEGE OF ENGINEERING

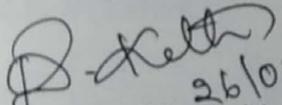
(An Autonomous Institution Affiliated to Anna University)

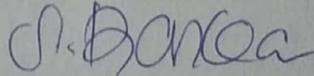
MADURAI – 625 015.



CERTIFICATE

Certified that this is a bonafide record of the 14EE880 Project & Viva Voce done by **Mr P.PRAKASH (14E084) and Mr T.PALANI KUMAR (14E83) and Mr T.VIJAYA BASKAR (14E120)** of Eighth Semester B.E. Electrical and Electronics Engineering during the year 2017 - 2018.

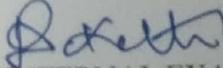

26/04/18
Signature of the Guide

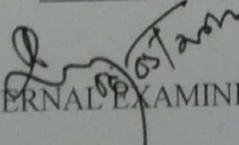

Signature of H.D.E.E

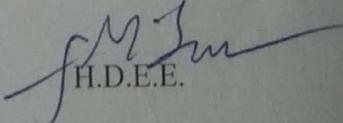
Station: Madurai

Date: 06/05/2018

Submitted for Viva-Voce examination held at Thiagarajar College of Engineering, Madurai – 625 015, on 06/05/2018.

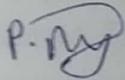

INTERNAL EXAMINER


EXTERNAL EXAMINER


H.D.E.E.

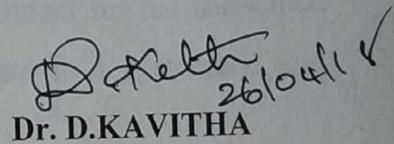
CERTIFICATE

This is to certify that the 14EE880 Project Work Report entitled "**SOLAR RADIATION TRACKER**", being submitted by Mr. **P.PRAKASH**, Mr. **T.PALANI KUMAR** and Mr. **T.VIJAYA BASKAR** in partial fulfillment for the requirement of **Bachelor of Engineering Degree in Electrical and Electronics Engineering**, is a record of bonafide work. The results embodied in this report have not been submitted to any other university or institute for the award of any degree or diploma.



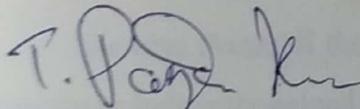
Mr. P.PRAKASH

(B.E. STUDENT)



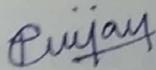
Dr. D.KAVITHA

(GUIDE)



Mr. T.PALANI KUMAR

(B.E. STUDENT)



Mr. T.VIJAYA BASKAR

(B.E. STUDENT)

Station: Madurai

Date:

THIAGARAJAR COLLEGE OF ENGINEERING

(An Autonomous Institution Affiliated to Anna University)

MADURAI - 625 015.



CERTIFICATE

Certified that this is a bonafide record of the 14EE880 Project & Viva Voce done by **Mr.S.PADMANATHAN** (Reg.No. 14E82) **Mr.P.RAJU** (Reg.No. 14E88) **Mr.S.SHEIK MOHAMED HABISUDEEN** (Reg.No. 13E95) of Eighth Semester B.E. Electrical and Electronics Engineering during the year 2017 - 2018.

Signature of the Guide

Signature of H.D.E.E

Station: Madurai

Date: 27/04/18

Submitted for Viva-Voce examination held at Thiagarajar College of Engineering, Madurai - 625 015, on 5/5/18.

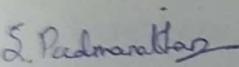
INTERNAL EXAMINER

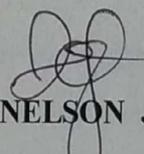
EXTERNAL EXAMINER

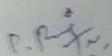
H.D.E.E.

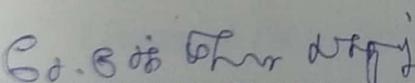
CERTIFICATE

This is to certify that the **14EE880** Project Report entitled "**DCS BASED 2D CRANE CONTROL**", being submitted by **Mr.S.PADMANATHAN, Mr.P.RAJU** and **Mr.S.SHEIK MOHAMED HABISUDEEN** in partial fulfillment for the requirement of **Bachelor of Engineering Degree in Electrical and Electronics Engineering**, is a record of bonafide work. The results embodied in this report have not been submitted to any other university or institute for the award of any degree or diploma.


Mr.S.PADMANATHAN
(B.E. STUDENT)


Dr.D.NELSON JAYAKUMAR
(GUIDE)


Mr.P.RAJU
(B.E. STUDENT)


Mr.S.SHEIK MOHAMED HABISUDEEN
(B.E. STUDENT)

Station: Madurai

Date: 27/04/18.

THIAGARAJAR COLLEGE OF ENGINEERING

(An Autonomous Institution Affiliated to Anna University)

MADURAI – 625 015.



CERTIFICATE

Certified that this is a bonafide record of the 14EE880 Project & Viva Voce done by **Mr. S. BALAJI** (14E15), **Mr. S. CHINNADURAI** (14E22) and **Mr. G. HARIDEVAN** (14E35) of Eighth Semester B.E. Electrical and Electronics Engineering during the year 2017 - 2018.

N. Shanmugavel

Signature of the Guide

S. Sankaranarayanan

Signature of H.D.E.E

Station: Madurai

Date: 26-4-2018

Submitted for Viva-Voce examination held at Thiagarajar College of Engineering, Madurai – 625 015, on 5/5/2018.

N. Shanmugavel

INTERNAL EXAMINER

S. Sankaranarayanan

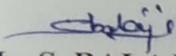
EXTERNAL EXAMINER

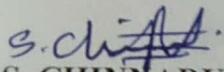
S. Sankaranarayanan

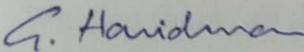
H.D.E.E.

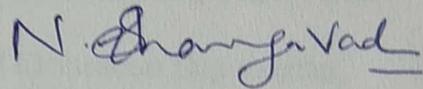
CERTIFICATE

This is to certify that the 14EE880 Project Report entitled "Braille Converter", being submitted by Mr. S.BALAJI (14E15), Mr. S.CHINNADURAI (14E22) and Mr. G.HARIDEVAN (14E35) in partial fulfillment for the requirement of **Bachelor of Engineering Degree in Electrical and Electronics Engineering**, is a record of bonafide work. The results embodied in this report have not been submitted to any other university or institute for the award of any degree or diploma.


Mr. S. BALAJI
(B.E. STUDENT)


Mr. S. CHINNADUARI
(B.E. STUDENT)


Mr. G. HARIDEVAN
(B.E. STUDENT)


Dr. N. SHANMUGA VADIVOO
(GUIDE)

Station: Madurai

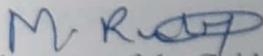
Date: 26-4-2018

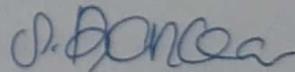
THIAGARAJAR COLLEGE OF ENGINEERING
(An Autonomous Institution Affiliated To Anna University)
MADURAI - 625 015



CERTIFICATE

Certified that this is a bonafide record of the **14EE880** Project & Viva Voce done by **Mr.K.MOHAMED HARISH (14E69)** and **Mr.C.KANDASAMY (14E52)** and **Mr.B.RAMANATHAN (14E89)** of eighth Semester B.E. Electrical and Electronics Engineering during the year 2017- 2018.

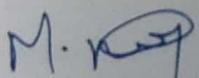

Signature of the Guide

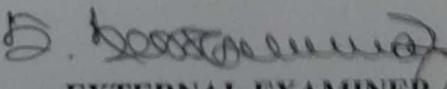

Signature of H.D.E.E

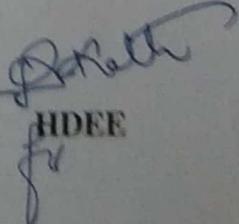
Station: Madurai

Date:

Submitted for Viva-Voce examination held at Thiagarajar College of Engineering,
Madurai - 15, on 05/05/2018

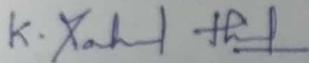

INTERNAL EXAMINER


EXTERNAL EXAMINER


H.D.E.E

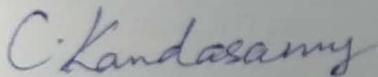
CERTIFICATE

This is to certify that the 14EE880 Project report entitled "SOLAR BASED STAND ALONE POWER SUPPLY FOR REMOTE VILLAGE", being Submitted by Mr. K.MOHAMED HARISH (14E69) and Mr.C.KANDASAMY (14E52) and Mr.B.RAMANATHAN (14E89) partial fulfillment for the requirement of Bachelor of Engineering Degree in Electrical and Electronics Engineering, is a record of bonafide work. The results embodied in this report have not been submitted to any other university or institute for the award of any degree or diploma.



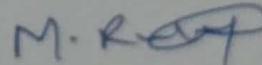
Mr.K.MOHAMED HARISH (14E69)

(B.E. STUDENT)



Mr.C.KANDASAMY (14E52)

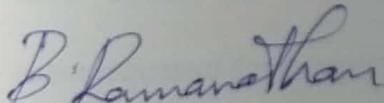
(B.E. STUDENT)



Mr.M.RAMKUMAR

(ASST PROFESSOR)

(GUIDE)



Mr.B.RAMANATHAN (14E89)

(B.E. STUDENT)

Station: Madurai

Date:

THIAGARAJAR COLLEGE OF ENGINEERING

(An Autonomous Institution Affiliated to Anna University)

MADURAI - 625 015.



CERTIFICATE

Certified that this is a bonafide record of the 14EE880 Project & Viva Voce done by **Mr P.SUBASHPANDYAN (14E105)** and **Mr D.PRADEEP (14E142)** and **Mr P.PRITHEVIRAJ (14E143)** of Eighth Semester B.E. Electrical and Electronics Engineering during the year 2017 - 2018.

Signature of the Guide

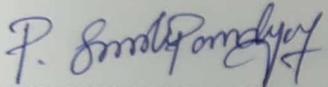
Signature of H.D.E.E

Station: Madurai

Date: 02.05.2018

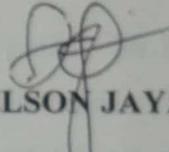
CERTIFICATE

This is to certify that the 14EE880 Project Work Report entitled "*SINGLE POWER CONVERSION DC-AC CONVERTER WITH NON COMPLEMENTARY ACTIVE-CLAMP CIRCUITS*", being submitted by Mr. P.SUBSPANDYAN, Mr. D.PRADEEP and Mr. P.PRITHEVIRAJ in partial fulfillment for the requirement of Bachelor of Engineering Degree in Electrical and Electronics Engineering, is a record of bonafide work. The results embodied in this report have not been submitted to any other university or institute for the award of any degree or diploma.



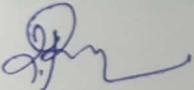
Mr.P.SUBASHPANDYAN

(B.E. STUDENT)



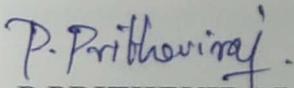
Dr D.NELSON JAYAKUMAR

(GUIDE)



Mr. D.PRADEEP

(B.E. STUDENT)



Mr. P.PRITHEVIRAJ

(B.E. STUDENT)

Station: Madurai.

Date: 02.05.2018

THIAGARAJAR COLLEGE OF ENGINEERING

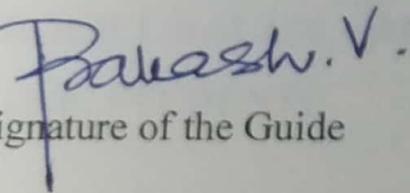
(An Autonomous Institution Affiliated to Anna University)

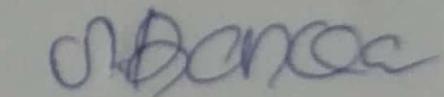
MADURAI – 625 015.



CERTIFICATE

Certified that this is a bonafide record of the 14EE880 Project & Viva Voce done by **Mr.K.ARUNKARTHIKEYAN (14E127)** and **Mr.M.R.L.BALAJI ARJUN (14E130)** of Eighth Semester B.E. Electrical and Electronics Engineering during the year 2017 - 2018.


Signature of the Guide

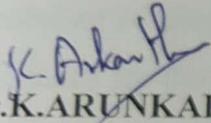

Signature of H.D.E.E

Location: Madurai

Date: 27.04.2018

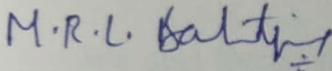
CERTIFICATE

This is to certify that the 14EE880 Project Report entitled "*QUALITY ASSURANCE OF TRANSFORMER*", being submitted by Mr.K.ARUNKARTHIKEYAN and Mr.M.R.L.BALAJI ARJUN in partial fulfillment for the requirement of Bachelor of Engineering Degree in Electrical and Electronics Engineering, is a record of bonafide work. The results embodied in this report have not been submitted to any other university or institute for the award of any degree or diploma.



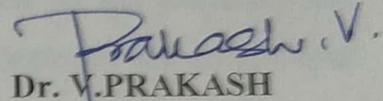
Mr.K.ARUNKARTHIKEYAN

(B.E. STUDENT)



Mr.M.R.L BALAJI ARJUN

(B.E. STUDENT)



Dr. V.PRAKASH

(GUIDE)

Station: Madurai

Date: 27.04.2018

THIAGARAJAR COLLEGE OF ENGINEERING

(An Autonomous Institution Affiliated to Anna University)

MADURAI – 625 015



CERTIFICATE

Certified that this is a bonafide record of the 14PS410 Project done by
Ms. G.DHIVYA (Reg.No. 16K006) of Fourth Semester M.E (*Power
Systems Engineering*) during the year 2018.

P.S. Manoharan

Dr. P.S.Manoharan *18/04/18*
Associate Professor,
Department of Electrical & Electronics Engg.
(Guide)

S. Baskar

Dr.S.Baskar
Professor & Head,
Department of EEE

Station: Madurai

Date: *25.4.2018*

Submitted for VIVA-VOCE examination held at Thiagarajar College of
Engineering, Madurai – 625 015, on *25.5.2018*.

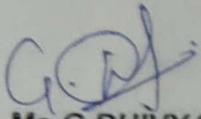
P.S. Manoharan
02/05/18

A. Ch
25/5/18
EXTERNAL EXAMINER

W.S.
H.D.E.E.

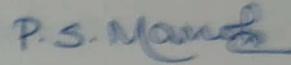
BONAFIDE CERTIFICATE

This is to certify that the 14PS410 Project Report entitled "*MODEL REFERENCE ADAPTIVE CONTROLLER FOR MULTI-LEVEL QUASI Z SOURCE INVERTER*", being submitted by *G. DHIVYA* in partial fulfillment for the requirement of *M.E DEGREE IN POWER SYSTEM ENGINEERING* is a record of bonafide work. The results embodied in this report have not been submitted to any other university or institute for the award of any degree or diploma.



Ms.G.DHIVYA

(REG.NO. 16K06)



Dr. P.S.MANOHARAN

(GUIDE)

Station: Madurai

Date: 18/09/2018

THIAGARAJAR COLLEGE OF ENGINEERING
(An Autonomous Institution Affiliated to Anna University)

MADURAI – 625 015



CERTIFICATE

Certified that this is a bonafide record of the 14EE880 Project done by Miss.K.GEETHANJALI (Reg.No.14E30) Miss.G.JAYALAKSHMI (Reg.No.14E41) Miss.S.A.KRISHNAVINEHA (Reg.No.14E136) of Eighth Semester B.E (Electrical & Electronics Engineering), during the year 2017-2018.

Prakash V.
Dr. V.PRAKASH

Associate Professor

Department of Electrical & Electronics Engg.
(Guide)

S. Baskar
Dr.S.BASKAR

Professor & Head

Department of EEE

Station: Madurai

Date: 24.04.2018

Submitted for VIVA-VOCE examination held at Thiagarajar College of Engineering, Madurai – 625 015, on 06.05.2018

Prakash V.
INTERNAL EXAMINER

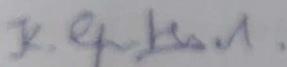
06/05/2018

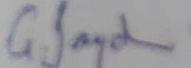
S. Baskar
EXTERNAL EXAMINER

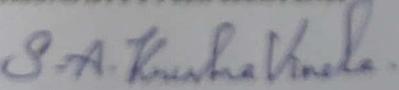
M. S. S.
H.D.E.E.

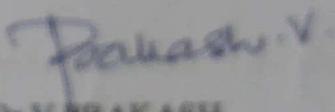
BONAFIDE CERTIFICATE

This is to certify that the IATEEBO Project entitled "*Design and development of capacitance based level sensor for continuous monitoring of liquid level in process industries*", being submitted by **K.GEETHANJALI, G.JAYALAKSHMI, S.A.KRISHNAVINEHA** is partial fulfillment for the requirement of B.E. Degree in Electrical & Electronics Engineering is a record of bonafide work. The results embodied in this report have not been submitted to any other university or institute for the award of any degree or diploma.


Miss.K.GEETHANJALI


Miss.G.JAYALAKSHMI


Miss.S.A.KRISHNAVINEHA


Dr.V.PRAKASH
(Guide)

Station: Madurai

Date: 24.04.2018

THIAGARAJAR COLLEGE OF ENGINEERING

(An Autonomous Institution Affiliated to Anna University)

MADURAI - 625 015.



CERTIFICATE

Certified that this is a bonafide record of the 14EE880 Project & Viva Voce done by **Ms.K.DEEPIKA** (14E23) , **Mr.G.R.P.GOKULNATH**(14E31) and **Ms.G.R.SARANYA** (14E97) of Eighth Semester B.E. Electrical and Electronics Engineering during the year 2017 - 2018.

Signature of the Guide

Signature of H.D.E.E

Station: Madurai

Date:

Submitted for Viva-Voce examination held at Thiagarajar College of Engineering, Madurai - 625 015, on 5/5/18.

INTERNAL EXAMINER

EXTERNAL EXAMINER

H.D.E.E.

CERTIFICATE

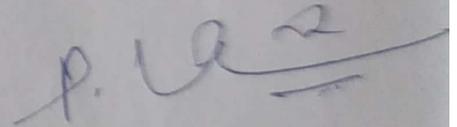
This is to certify that the 14EE880 Project Report entitled "*MPPT SOLAR CHARGE CONTROLLER WITH WIRELESS MONITORING*", being submitted by Ms. K. DEEPIKA, Mr. G. R. P. GOKULNATH and Ms. G. R. SARANYA in partial fulfillment for the requirement of Bachelor of Engineering Degree in Electrical and Electronics Engineering, is a record of bonafide work. The results embodied in this report have not been submitted to any other university or institute for the award of any degree or diploma.

K. Deepika (14E23)

G. R. P. GOKULNATH (14E31)

G. R. SARANYA (14E97)

(B.E. STUDENT)


(GUIDE)

Station: Madurai

Date: 26/4/18

THIAGARAJAR COLLEGE OF ENGINEERING

(An Autonomous Institution Affiliated to Anna University)

MADURAI – 625 015.



BONAFIDE CERTIFICATE

Certified that this is a bonafide record of the 14EE880 Project & Viva Voce done by Ms. K.KAVIYA(14E59), Ms. M.KAYAL VIZHI (14E60) and Ms. M.SUBHASHINI(14E149) of Eighth Semester B.E. Electrical and Electronics Engineering during the year 2017- 2018.

P. S. Manoj
25/04/18

Signature of the Guide

J. Dhanra

Signature of H.D.E.E

Station: Madurai

Date: 25/4/18

CERTIFICATE

This is to certify that the 14EE880 Project Report entitled "*ELECTRONIC LUGGAGE FOLLOWER*", being submitted by Ms.K.Kaviya, Ms. M.Kayal vizhi and Ms. M.Subhashini in partial fulfillment for the requirement of Bachelor of Engineering Degree in Electrical and Electronics Engineering, is a record of bonafide work. The results embodied in this report have not been submitted to any other university or institute for the award of any degree or diploma.

K. Kaviya

Ms. K.KAVIYA

(BE STUDENT)

P.S. Manohar

Dr.P.S.MANOHARAN

(GUIDE)

M. Kayal

Ms. M.KAYAL VIZHI

(BE STUDENT)

M. Subhashini

Ms. M.SUBHASHINI

(BE STUDENT)

Station: Madurai

Date: