



This is certifying that Ms. Irfana Althaf Khan (Employee ID: 120868) student of Thiagarajar College of Engineering, Madurai is undergoing her internship for a span of 6 months in ATMEL CAE group of Microchip Technology, Chennai from December 11, 2017.

The title of her Project is "Smart Traffic Control System using Microchip Devices".

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 19, 2018



Reference:

Date: 2018-04-25

DN

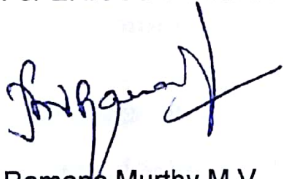
To Whomsoever It May Concern

This is to certify that **Ms. Angeline Poorani Therese B (14D05)**, B.E.(ECE), Thiagarajar College of Engineering has worked as an Project Intern with Ericsson India Global Services Private Limited from Dec 18, 2017 to Apr 25, 2018 in the project titled "Enhancement to Communication Barring Roaming Use Case" has completed the project successfully. Her contribution to the above project was commendable and her sincerity at work is much appreciated.

She has been sincere, and has shown very good learning & understanding abilities form joining till date.

Thanking you,

For ERICSSON INDIA GLOBAL SERVICES PRIVATE LIMITED



Ramana Murthy M V
Director R&D Operations
R&D India



25th April 2018

CERTIFICATE BY EXTERNAL GUIDE

This is to Certify that the project report entitled "**Content Delivery Network**" submitted by **M Ramesh Babu (14D73)** to Thiyagarajar College of Engineering in partial fulfillment of the requirement for the award of the degree of B.E (ECE) is a record of bonafide work carried out by him under my guidance. The project fulfils the requirement as per the regulations of this Institute and in my opinion, meets the necessary standards for submission. The content of this report have not been submitted and will not be submitted either in part or in full, for the award of any other degree or diploma in this institution or any other Institute or University.

Alcatel-Lucent India Limited
(A Nokia Corporation Company)
Office Address:
14th & 15th Floor,
Tower C,
DLF Cyber Greens,
DLF City, Phase - III,
Gurgaon - 122 002,
Haryana, India.

Regd. Office:
Alcatel-Lucent India Limited
(A Nokia Corporation Company)
202-206,
Tolstoy House,
15 Tolstoy Marg,
New Delhi - 110 001,
India
Corporate Identity Number:
U72200DL1992PLC047870

Signature of External supervisor

Prasanth Namboodiri

Video Support Center Manager



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 : 26-Apr-2018

PROJECT COMPLETION CERTIFICATE

This is to certify that **Mr/Ms. Sre Vishnuram K PT-1731/18** final year ECE of Thiagarajar Engineering College has successfully completed his/her final year project titled INVENTORY MANAGEMENT in **Zoho Corporation Pvt Ltd**, from 13-Dec-2017 to 26-Apr-2018. During the above period, his/her performance and conduct were found to be Good.


Sre Vishnuram K

Project Manager




Kumari Ganeshmurthy
Senior Associate - HR

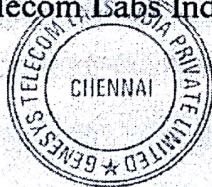
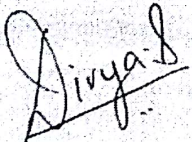
April 26, 2018

To Whom It May Concern

This is to certify that **Ms. Shiny Ponmani (University Reg. No – 16N016)**, M.E Communication Systems), Thiagarajar College of Engineering, Madurai has been undergoing Internship at Genesys Telecommunication Labs, Chennai for the period of Six months starting from November 20, 2017 to May 18, 2018.

Please feel free to contact us if you require any further information.

Thanking you,
Yours sincerely,
For Genesys Telecom Labs India Private Limited (India)



Divya Sathyan
Head-HR, India

Phone: +91 44 40193496

Email ID: divya.sathyan@genesys.com



TEMENOS

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21st April 2017

TO WHOM IT MAY CONCERN

This is to certify that Ms.Vaishnavi K K D/O Mr.Kumaresan K N, a student of B.E (Major in Electronics and Communication Engineering), from Thiagarajar College of Engineering, Madurai, Tamil Nadu, is doing her internship project titled "Autamation Testing using Selenium and SEAT tool in Islamic and Retail Banking", is a bonafide work done under supervision of Archana Krishnan, Senior Consultant, Testing-Retail Banking at our Perungudi Branch from January 2017. The internship programme will end on April 2017

For Temenos India Pvt Ltd.

Sethu Rathinam T

Manager – Human Resources



To whom it may concern

This is to certify that . S. Pazhaneeswari, Reg. No. 15N012, studying M.E. (Communications Systems) at Thiagarajar College of Engineering, Madurai has successfully completed project in our organization as per details below.

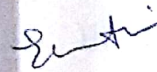
Duration: Dec 13, 2016 till April 25, 2017

Project Title: Implementation of Low Complexity Maximal Ratio Combining Technique to Improve the Reliability of DAB Reception in Mobile Environment.

Project Guide: Jebasangeetha B, Assistant Consultant.

We wish all the best in her future endeavors.

For JASMIN INFOTECH PVT. LTD.,

 25/04/2017

Karunanidhi E
Manager – Human Resources



THIAGARAJAR COLLEGE OF ENGINEERING

(A Govt. Aided Autonomous Institution Affiliated to Anna University)

MADURAI-625015

To

Additional General Manager(HR),

Pricol (P)ltd,

Coimbatore.

Sir,

SUB: Permission for in-plant training for my Student- Request- Reg.

Thiagarajar College of Engineering, Madurai is a 60 year old autonomous institution aided by State and Central Government, accredited and approved by AICTE and affiliated to Anna University. The college offers 7 Under Graduated Programs, 13 Post Graduate Programs and research Program leading to Ph.D, in all engineering and science disciplines.

As a part of curriculum the following student belonging to 2nd year of communication Engineering is interested in undergoing in plant training in your organization for a period of two weeks (1/06/17 to 14/06/17).

During the course of the training she will follow the rules and regulations of your esteemed organization. So I request you to kindly permit her in your esteemed organization for the necessary in plant training.

Name of the Student: G.SWATHI-15D103

Regards

Date: 23/05/17


(HOD- ECE Deptt./TCE)



THAIGARAJAR COLLEGE OF ENGINEERING
(A Govt.Aided Autonomous Institution Affiliated to Anna University)
MADURAI -625015

To

The Manager,
Mega Tech/Maas Tech,
7, Kannan Avenue, Tambaram West (near hero showroom)
Chennai-63.

Dear Sir,

Sub: Permission for In - Plant Training for my student – requested – Reg.

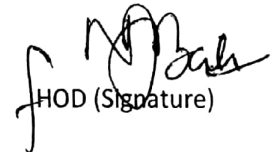
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As a part of curriculum, the following student belonging to 1st Year of Electronics & Communication Engineering are interested in undergoing In – Plant Training in your Organization for a period of (19/06/17 to 25/06/17).

During the course of the training, he will follow the rules and regulations of your Organization. So I request you to kindly permit my student in your organization for the training.

Name of the Student: K.Vignesh, 16D111/59498

Thanking You,


HOD (Signature)

Dr. N.B. BALAMURUGAN
Associate Professor
Department of Electronics & Communication Engineering
Thiagarajar College of Engineering
Madurai-625 015
Ph.D.,



THIAGARAJAR COLLEGE OF ENGINEERING

(A Govt. Aided Autonomous Institution Affiliated to Anna University)

MADURAI-625015

TO

The General Manager,
Telecom,
O/o GMT, BSNL
Vannerapettai,
Tirunelveli-627003.

Dear Sir,

Sub: Permission for in - plant Training for my student-Request –Reg.

Thiagarajar college of Engineering, Madurai is a 60 year old autonomous institution Aided by state and central Government, accredited and approved by AICTE and affiliated to Anna University. The college offers 7 under – Graduated programs, 13 post – Graduate programs and research program leading to ph .D, in all engineering and science disciplines.

As a part of curriculum, the following student belonging to 1st Year of communication Engineering are interested in undergoing In-plant training in your organization for a period of (19/06/17 to 25/06/17)

During the course of the training, he will follow the rules and regulations of your organization. So I requested you to kindly permit her my student in your organization for the training

Name of the student: V.Susila,16D0100,59794.

Thanking you,


HOD (Signature)

Dr. N.B. BALAMURUGAN, M.E., Ph.D.,
Associate Professor
Department of ECE
Thiagarajar College of Engineering
Madurai-625015



THAIGARAJAR COLLEGE OF ENGINEERING

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MADURAI -625015

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The Manager,

Mega Tech/Maas Tech,

7, Kannan Avenue, Tambaram West (near hero showroom)

Chennai-63.

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Thiagarajar College of Engineering, Madurai is a 60 year old autonomous institution Aided by State and Central Government, accredited and approved by AICTE and affiliated to Anna University. The college offers 7 Under – Graduated programs, 13 Post – Graduate Programs and research program leading to Ph.D., in all engineering and science disciplines.

As a part of curriculum, the following student belonging to 1st Year of Electronics & Communication Engineering are interested in undergoing In – Plant Training in your Organization for a period of (19/06/17 to 25/06/17).

During the course of the training, he will follow the rules and regulations of your Organization. So I request you to kindly permit my student in your organization for the training.

Name of the Student: V.N.Ashiq, 16D015/59123

Thanking You,


HOD (Signature)

N.B. BALAMURUGAN, M.E.
Associate Professor
Department of ECE
Thiagarajar College of Engineering
Madurai-625 015



THIAGARAJAR COLLEGE OF ENGINEERING

(A Govt. Aided Autonomous Institution Affiliated to Anna University)

MADURAI-625015

TO

The General Manager,
All india radio,
LDC road, chokkikulam,
Madurai.

Dear Sir,

Sub: Permission for in - plant Training for my student-Request -Reg.

Thiagarajar college of Engineering, Madurai is a 60 year old autonomous institution Aided by state and central Government, accredited and approved by AICTE and affiliated to Anna University. The college offers 7 under - Graduated programs, 13 post - Graduate programs and research program leading to ph.D, in all engineering and science disciplines.

As a part of curriculum, the following student belonging to 1st Year of communication Engineering are interested in undergoing In-plant training in your organization for a period of (19/06/17 to 25/06/17)

During the course of the training, she will follow the rules and regulations of your organization. So I requested you to kindly permit her my student in your organization for the training

Name of the student: M. Agalyarani 16D004

Thanking you,


HOD (Signature)

Dr. N.B. BALAMURUGAN, M.E., Ph.D.,
Associate Professor
Department of ECE
Thiagarajar College of Engineering
Madurai - 625015



THIAGARAJAR COLLEGE OF ENGINEERING

(A Govt. Aided Autonomous Institution Affiliated to Anna University)

MADURAI-625015

TO

The General Manager,
GM office,
W.G.C, Road,
Thoothukudi-1.

Dear Sir,

Sub: Permission for in - plant Training for my student-Request –Reg.

Thiagarajar college of Engineering, Madurai is a 60 year old autonomous institution Aided by state and central Government, accredited and approved by AICTE and affiliated to Anna University. The college offers 7 under – Graduated programs, 13 post – Graduate programs and research program leading to ph .D, in all engineering and science disciplines.

As a part of curriculum, the following student belonging to 1st Year of communication Engineering are interested in undergoing In-plant training in your organization for a period of (19/06/17 to 25/06/17)

During the course of the training, he will follow the rules and regulations of your organization. So I requested you to kindly permit her my student in your organization for the training.

Name of the student: M.Adline Rini, 16D003, 59648.

Thanking you,


HOD (Signature)

Dr. N.B. BALAKRISHNAN, M.E., Ph.D.,
Associate Professor
Department of ECE
Thiagarajar College of Engineering
Madurai-625 015



THAIGARAJAR COLLEGE OF ENGINEERING
(A Govt.Aided Autonomous Institution Affiliated to Anna University)

MADURAI -625015

To

The Manager,
Mega Tech/Maas Tech,
7, Kannan Avenue, Tambaram West (near hero showroom)
Chennai-63.

Dear Sir,

Sub: Permission for In - Plant Training for my student – requested – Reg.

Thiagarajar College of Engineering, Madurai is a 60 year old autonomous institution Aided by State and Central Government, accredited and approved by AICTE and affiliated to Anna University. The college offers 7 Under – Graduated programs, 13 Post – Graduate Programs and research program leading to Ph.D., in all engineering and science disciplines.

As a part of curriculum, the following student belonging to 1st Year of Electronics & Communication Engineering are interested in undergoing In – Plant Training in your Organization for a period of (19/06/17 to 25/06/17).

During the course of the training, he will follow the rules and regulations of your Organization. So I request you to kindly permit my student in your organization for the training.

Name of the Student: R.Hariharan, 16D037/59151

Thanking You,


HOD (Signature)

Dr. N.B. BALAMURUGAN, M.E., Ph.D.
Associate Professor
Department of ECE
Thiagarajar College of Engineering
Madurai-625 015



THAIGARAJAR COLLEGE OF ENGINEERING
(A Govt.Aided Autonomous Institution Affiliated to Anna University)
MADURAI -625015

To

The Manager,
Mega Tech/Maas Tech,
7, Kannan Avenue, Tambaram West (Near Hero Showroom),
Chennai – 600 063

Dear Sir,

Sub: Permission for In - Plant Training for my student – requested – Reg.

Thiagarajar College of Engineering, Madurai is a 60 year old Autonomous Institution Aided by State and Central Government, accredited and approved by AICTE and affiliated to Anna University. The college offers 7 Under – Graduated programs, 13 Post – Graduate Programs and research program leading to Ph.D., in all engineering and science disciplines.

As a part of curriculum, the following student belonging to 1st Year of Electronics & Communication Engineering are interested in undergoing In – Plant Training in your Organization for a period of one week (19/06/17 to 25/06/17).

During the course of the training, he will follow the rules and regulations of your Organization. So I request you to kindly permit my student in your organization for the Training.

Thanking You,

Name of the Student:

P.V.Gokul Deva,

16D031/59425


HOD (Signature)

Dr. N.B. BALAMURUGAN, M.E., Ph.D.,
Associate Professor
Department of ECE
Thiagarajar College of Engineering
Madurai-625 015



THIAGARAJAR COLLEGE OF ENGINEERING

(A Govt. Aided Autonomous Institution Affiliated to Anna University)

MADURAI-625015

TO

The General Manager,
BSNL Office,
Gowtham Nagar,
Manjakuppam,
Cuddalore-607001.

Dear Sir,

Sub: Permission for in - plant Training for my student-Request –Reg.

Thiagarajar college of Engineering, Madurai is a 60 year old autonomous institution Aided by state and central Government, accredited and approved by AICTE and affiliated to Anna University. The college offers 7 under – Graduated programs, 13 post – Graduate programs and research program leading to ph .D., in all engineering and science disciplines.

As a part of curriculum, the following student belonging to 1st Year of communication Engineering are interested in undergoing In-plant training in your organization for a period of (19/06/17 to 25/06/17)

During the course of the training, he will follow the rules and regulations of your organization. So I requested you to kindly permit her my student in your organization for the training

Name of the student: R.Dhivya , 16D022, 59441.

Thanking you,


HOD (Signature)

Dr. N.B. BALAMURUGAN, M.E., Ph.D.,
Associate Professor
Department of ECE
Thiagarajar College of Engineering
Madurai-625 015



THIAGARAJAR COLLEGE OF ENGINEERING

(A Govt. Aided Autonomous Institution Affiliated to Anna University)

MADURAI-625015

TO

The General Manager,

All India radio,

LDC road, chokkikulam,

Madurai.

Dear Sir,

Sub: Permission for in - plant Training for my student-Request –Reg.


Thiagarajar college of Engineering, Madurai is a 60 year old autonomous institution Aided by state and central Government, accredited and approved by AICTE and affiliated to Anna University. The college offers 7 under – Graduated programs, 13 post – Graduate programs and research program leading to ph.D, in all engineering and science disciplines.

As a part of curriculum, the following student belonging to 1st Year of communication Engineering are interested in undergoing In-plant training in your organization for a period of (19/06/17 to 25/06/17)

During the course of the training, she will follow the rules and regulations of your organization. So I requested you to kindly permit her my student in your organization for the training

Name of the student: S. Malavika 16D060

Thanking you,


HOD (Signature)

M. R. B. MALAVIKA, M.E., P.D.,
Associate Professor
Department of ECE
Thiagarajar College of Engineering
Madurai-625 015



THAIGARAJAR COLLEGE OF ENGINEERING
(A Govt.Aided Autonomous Institution Affiliated to Anna University)
MADURAI -625015

To

The Manager,
Mega Tech/Maas Tech,
7, Kannan Avenue, Tambaram West (near hero showroom)
Chennai-63.

Dear Sir,

Sub: Permission for In - Plant Training for my student – requested – Reg.

Thiagarajar College of Engineering, Madurai is a 60 year old autonomous institution Aided by State and Central Government, accredited and approved by AICTE and affiliated to Anna University. The college offers 7 Under – Graduated programs, 13 Post – Graduate Programs and research program leading to Ph.D., in all engineering and science disciplines.

As a part of curriculum, the following student belonging to 1st Year of Electronics & Communication Engineering are interested in undergoing In – Plant Training in your Organization for a period of (19/06/17 to 25/06/17).

During the course of the training, he will follow the rules and regulations of your Organization. So I request you to kindly permit my student in your organization for the training.

Name of the Student: S.A.Hariharan, 16D038/59570

Thanking You,


HOD (Signature)

N.B. BALAMURUGAN, M.E., M.D.,
Associate Professor
Department of ECE
Thiagarajar College of Engineering
Madurai-625 015



THIAGARAJAR COLLEGE OF ENGINEERING

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MADURAI-625015

TO

The General Manager,

All india radio,

LDC road, chokkikulam,

Madurai.

Dear Sir,

Sub: Permission for in - plant Training for my student-Request -Reg.


Thiagarajar college of Engineering, Madurai is a 60 year old autonomous institution Aided by state and central Government, accredited and approved by AICTE and affiliated to Anna University. The college offers 7 under - Graduated programs, 13 post - Graduate programs and research program leading to ph.D, in all engineering and science disciplines.

As a part of curriculum, the following student belonging to 1st Year of communication Engineering are interested in undergoing In-plant training in your organization for a period of (19/06/17 to 25/06/17)

During the course of the training, she will follow the rules and regulations of your organization. So I requested you to kindly permit her my student in your organization for the training

Name of the student: B.Keerthana 16D052

Thanking you,


fHOD (Signature)

Dr. N.B. BALAMURUGAN, M.E., Ph.D.,
Associate Professor
Department of ECE
Thiagarajar College of Engineering
Madurai-625 015



THIAGARAJAR COLLEGE OF ENGINEERING

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MADURAI-625015

TO

The Manager,
GM Office,
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Thoothukudi-1.

Dear Sir,

Sub: Permission for in - plant Training for my student-Request –Reg.


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As a part of curriculum, the following student belonging to 1st Year of communication Engineering are interested in undergoing In-plant training in your organization for a period of (01/06/17 to 07/06/17) at ariyalur.

During the course of the training, he will follow the rules and regulations of your organization. So I requested you to kindly permit her my student in your organization for the training.

Name of the student: M.Karthiga, 16D048, 59197.

Thanking you,


HOD (Signature)
Dr. N.B. BALAMURUGAN, M.E., Ph.D.,
Associate Professor
Department of ECE
Thiagarajar College of Engineering
Madurai-625 015



THAIGARAJAR COLLEGE OF ENGINEERING
(A Govt.Aided Autonomous Institution Affiliated to Anna University)
MADURAI -625015

To

The Manager,
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As a part of curriculum, the following student belonging to 1st Year of Electronics & Communication Engineering are interested in undergoing In – Plant Training in your Organization for a period of (19/06/17 to 25/06/17).

During the course of the training, he will follow the rules and regulations of your Organization. So I request you to kindly permit my student in your organization for the training.

Name of the Student: S.Karthick Raja, 16D047/59500

Thanking You,


f HOD (Signature)

Dr. N.B. BALAMURUGAN, M.E., Ph.D.,
Associate Professor
Department of ECE
Thiagarajar College of Engineering
Madurai-625 015



THIAGARAJAR COLLEGE OF ENGINEERING

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MADURAI-625015

TO

The General Manager,
All india radio,
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Madurai.

Dear Sir,

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As a part of curriculum, the following student belonging to 1st Year of communication Engineering are interested in undergoing In-plant training in your organization for a period of (19/06/17 to 25/06/17)

During the course of the training, she will follow the rules and regulations of your organization. So I requested you to kindly permit her my student in your organization for the training

Name of the student: V.Karpagajothi 16D046

Thanking you,


(HOD (Signature))

Dr. N. B. BALASUBRAMANIAN, M.E., Ph.D.,
Associate Professor,
Dept. of ECE,
Thiagarajar College of Engineering,
Madurai - 625 015



THAIGARAJAR COLLEGE OF ENGINEERING
(A Govt.Aided Autonomous Institution Affiliated to Anna University)
MADURAI -625015

To

The Manager,
Mega Tech/Maas Tech,
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During the course of the training, he will follow the rules and regulations of your Organization. So I request you to kindly permit my student in your organization for the training.

Name of the Student: A.Nandhakumar, 16D070/59647

Thanking You,


HOD (Signature)

DR. N.B. BALAMURUGAN, M.E.
Associate Professor
Department of ECE
Thiagarajar College of Engineering
Madurai-625 015



THIAGARAJAR COLLEGE OF ENGINEERING

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MADURAI-625015

TO

The General Manager,
All india radio,
LDC road, chokkikulam,
Madurai.

Dear Sir,

Sub: Permission for in - plant Training for my student-Request -Reg.

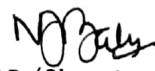
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During the course of the training, she will follow the rules and regulations of your organization. So I requested you to kindly permit her my student in your organization for the training

Name of the student: K.Mutharasi 16D066

Thanking you,


HOD (Signature)

Dr. N.J. LALAMURUGAN, M.E. Ph.D.,
Associate Professor
Department of ECE
Thiagarajar College of Engineering
Madurai-625015



THIAGARAJAR COLLEGE OF ENGINEERING

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MADURAI-625015

TO

The General Manager,

All India radio,

LDC road, chokkikulam,

Madurai.

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Thiagarajar college of Engineering, Madurai is a 60 year old autonomous institution Aided by state and central Government, accredited and approved by AICTE and affiliated to Anna University. The college offers 7 under – Graduated programs, 13 post – Graduate programs and research program leading to ph.D,in all engineering and science disciplines.

As a part of curriculum, the following student belonging to 1st Year of communication Engineering are interested in undergoing In-plant training in your organization for a period of (19/06/17 to 25/06/17)

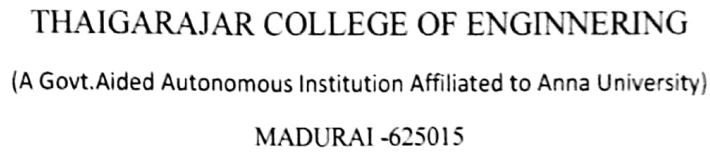
During the course of the training, she will follow the rules and regulations of your organization. So I requested you to kindly permit her my student in your organization for the training

Name of the student: S.Manonmani -16D062

Thanking you,


HOD (Signature)

Associate Professor
Department of ECE
Thiagarajar College of Engineering
Madurai-625 015



The Manager,
Mega Tech/Maas Tech,
7, Kannan Avenue, Tambaram West (near hero showroom)
Chennai-63.

Sub: Permission for In - Plant Training for my student – requested – Reg.

As a part of curriculum, the following student belonging to 1st Year of Electronics & Communication Engineering are interested in undergoing In – Plant Training in your Organization for a period of (19/06/17 to 25/06/17).

Name of the Student: S.Manoj, 16D061/59199


HOD (Signature)



THIAGARAJAR COLLEGE OF ENGINEERING

(A Govt. Aided Autonomous Institution Affiliated to Anna University)

MADURAI-625015

TO

The ASST-General manager,

BSNL,

O/o PGM,

Thiruchirapalli.

Dear Sir,

Sub: Permission for in - plant Training for my student-Request -Reg.


Thiagarajar college of Engineering, Madurai is a 60 year old autonomous institution Aided by state and central Government, accredited and approved by AICTE and affiliated to Anna University. The college offers 7 under - Graduated programs, 13 post - Graduate programs and research program leading to ph.D, in all engineering and science disciplines.

As a part of curriculum, the following student belonging to 1st Year of communication Engineering are interested in undergoing In-plant training in your organization for a period of (19/06/17 to 25/06/17)

During the course of the training, she will follow the rules and regulations of your organization. So I requested you to kindly permit her my student in your organization for the training.

Name of the student: S.Priyadharshini 16D078

Thanking you,


HOD (Signature)

DR. N. B. BALASUBRAMANIAN, M.E., Ph.D.
Associate Professor
Department of ECE
Thiagarajar College of Engineering
Madurai-625 015



THIAGARAJAR COLLEGE OF ENGINEERING

(A Govt. Aided Autonomous Institution Affiliated to Anna University)

MADURAI-625015

TO

The General Manager,
Telecom,
O\o GMT, BSNL
Vannerapettai,
Tirunelveli-627003.

Dear Sir,

Sub: Permission for in - plant Training for my student-Request –Reg.

Thiagarajar college of Engineering, Madurai is a 60 year old autonomous institution Aided by state and central Government, accredited and approved by AICTE and affiliated to Anna University. The college offers 7 under – Graduated programs, 13 post – Graduate programs and research program leading to ph .D, in all engineering and science disciplines.

As a part of curriculum, the following student belonging to 1st Year of communication Engineering are interested in undergoing In-plant training in your organization for a period of (19/06/17 to 25/06/17)

During the course of the training, he will follow the rules and regulations of your organization. So I requested you to kindly permit her my student in your organization for the training

Name of the student: S. Mymoon,16D076,59646.

Thanking you,


HOD (Signature)

Dr. N.B. BALAMURUGAN, M.E., Ph.D.,
Associate Professor
Department of ECE
Thiagarajar College of Engineering
Madurai-625 015



THAIGARAJAR COLLEGE OF ENGINEERING
(A Govt.Aided Autonomous Institution Affiliated to Anna University)
MADURAI -625015

To

The Manager,
Mega Tech/Maas Tech,
7, Kannan Avenue, Tambaram West (near hero showroom)
Chennai-63.

Dear Sir,

Sub: Permission for In - Plant Training for my student – requested – Reg.

Thiagarajar College of Engineering, Madurai is a 60 year old autonomous institution Aided by State and Central Government, accredited and approved by AICTE and affiliated to Anna University. The college offers 7 Under – Graduated programs, 13 Post – Graduate Programs and research program leading to Ph.D., in all engineering and science disciplines.

As a part of curriculum, the following student belonging to 1st Year of Electronics & Communication Engineering are interested in undergoing In – Plant Training in your Organization for a period of (19/06/17 to 25/06/17).

During the course of the training, he will follow the rules and regulations of your Organization. So I request you to kindly permit my student in your organization for the training.

Name of the Student: B.P.Sivakumar, 16D095/59649

Thanking You,


HOD (Signature)

Dr. N.B. BALAMURUGAN, M. Sc., Ph.D.,
Associate Professor
Department of ECE
Thiagarajar College of Engineering,
Madurai-625 015



THIAGARAJAR COLLEGE OF ENGINEERING

(A Govt. Aided Autonomous Institution Affiliated to Anna University)

MADURAI-625015

TO

The General Manager,
All india radio,
LDC road, chokkikulam,
Madurai.

Dear Sir,

Sub: Permission for in - plant Training for my student-Request –Reg.

Thiagarajar college of Engineering, Madurai is a 60 year old autonomous institution Aided by state and central Government, accredited and approved by AICTE and affiliated to Anna University. The college offers 7 under – Graduated programs, 13 post – Graduate programs and research program leading to ph.D,in all engineering and science disciplines.

As a part of curriculum, the following student belonging to 1st Year of communication Engineering are interested in undergoing In-plant training in your organization for a period of (19/06/17 to 25/06/17)

During the course of the training, she will follow the rules and regulations of your organization. So I requested you to kindly permit her my student in your organization for the training

Name of the student: R.Swetha-16D101 (Roll no:59270)

Thanking you,


HOD (Signature)

DR. N. BALAJI, B.Sc., M.Sc., M.Tech., Ph.D.,
Associate Professor
Department of ECE
Thiagarajar College of Engineering
Madurai-625 015



THIAGARAJAR COLLEGE OF ENGINEERING

(A Govt. Aided Autonomous Institution Affiliated to Anna University)

MADURAI-625015

TO

The General Manager,
All india radio,
LDC road, chokkikulam,
Madurai.

Dear Sir,

Sub: Permission for in - plant Training for my student-Request -Reg.


Thiagarajar college of Engineering, Madurai is a 60 year old autonomous institution Aided by state and central Government, accredited and approved by AICTE and affiliated to Anna University. The college offers 7 under - Graduated programs, 13 post - Graduate programs and research program leading to ph.D, in all engineering and science disciplines.

As a part of curriculum, the following student belonging to 1st Year of communication Engineering are interested in undergoing In-plant training in your organization for a period of (19/06/17 to 25/06/17)

During the course of the training, she will follow the rules and regulations of your organization. So I requested you to kindly permit her my student in your organization for the training

Name of the student: B.Subhiksha 16D099

Thanking you,


f HOD (Signature)

Dr. N.B. BALAMURUGAN, M.E., Ph.D.,
Associate Professor
Department of ECE
Thiagarajar College of Engineering
Madurai-625 015



THIAGARAJAR COLLEGE OF ENGINEERING

(A Govt. Aided Autonomous Institution Affiliated to Anna University)

MADURAI-625015

To

Additional General Manager(HR),
NTECL Limited,
Vallur,
Chennai.

Sir,

SUB: Permission for in-plant training for my Student- Request- Reg.

Thiagarajar College of Engineering, Madurai is a 60 year old autonomous institution aided by State and Central Government, accredited and approved by AICTE and affiliated to Anna University. The college offers 7 Under Graduated Programs, 13 Post Graduate Programs and research Program leading to Ph.D, in all engineering and science disciplines.


As a part of curriculum the following student belonging to 2nd year of communication Engineering is interested in undergoing in plant training in your organization for a period of two weeks (1/06/17 to 14/06/17).

During the course of the training she will follow the rules and regulations of your esteemed organization. So I request you to kindly permit her in your esteemed organization for the necessary in plant training.

Name of the Student: S.RANI AISHWARYA, 15D073.

Regards

Date: 22/05/17


(HOD- ECE Deptt./TCE)

Dr. N.B. BALAMURUGAN, Ph.D.,
Associate Professor
Department of ECE
Thiagarajar College of Engineering
Madurai 625 015



THIAGARAJAR COLLEGE OF ENGINEERING

(A Govt. Aided Autonomous Institution Affiliated to Anna University)

MADURAI-625015

TO

The General Manager,
All india radio,
LDC road, chokkikulam,
Madurai.

Dear Sir,

Sub: Permission for in - plant Training for my student-Request –Reg.

Thiagarajar college of Engineering, Madurai is a 60 year old autonomous institution Aided by state and central Government, accredited and approved by AICTE and affiliated to Anna University. The college offers 7 under – Graduated programs, 13 post – Graduate programs and research program leading to ph.D,in all engineering and science disciplines.

As a part of curriculum, the following student belonging to 1st Year of communication Engineering are interested in undergoing In-plant training in your organization for a period of (19/06/17 to 25/06/17)

During the course of the training, she will follow the rules and regulations of your organization. So I requested you to kindly permit her my student in your organization for the training

Name of the student: V.Subhaashini 16D098

Thanking you,


f HOD (Signature)

Dr. N.R. PATIL, M.Tech., M.E., Ph.D.,
Assistant Professor
Department of ECE
Thiagarajar College of Engineering
Madurai-625 015



THIAGARAJAR COLLEGE OF ENGINEERING

(A Govt. Aided Autonomous Institution Affiliated to Anna University)

MADURAI-625015

TO

The General Manager,

All india radio,

LDC road, chokkikulam,

Madurai.

Dear Sir,

Sub: Permission for in - plant Training for my student-Request -Reg.

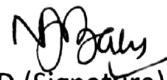
Thiagarajar college of Engineering, Madurai is a 60 year old autonomous institution Aided by state and central Government, accredited and approved by AICTE and affiliated to Anna University. The college offers 7 under - Graduated programs, 13 post - Graduate programs and research program leading to ph.D,in all engineering and science disciplines.

As a part of curriculum, the following student belonging to 1st Year of communication Engineering are interested in undergoing In-plant training in your organization for a period of (19/06/17 to 25/06/17)

During the course of the training, she will follow the rules and regulations of your organization. So I requested you to kindly permit her my student in your organization for the training

Name of the student:R.Vaishnavi 16D106

Thanking you,


f HOD (Signature)

Dr. N. S. BAI ANANDRAGAN, M.E., Ph.D.,
Associate Professor
Department of ECE
Thiagarajar College of Engineering
Madurai-625015



THIAGARAJAR COLLEGE OF ENGINEERING

(A Govt. Aided Autonomous Institution Affiliated to Anna University)

MADURAI-625015

TO

The General Manager,
GM office,
W.G.C, Road,
Thoothukudi-1.

Dear Sir,

Sub: Permission for in - plant Training for my student-Request –Reg.


Thiagarajar college of Engineering, Madurai is a 60 year old autonomous institution Aided by state and central Government, accredited and approved by AICTE and affiliated to Anna University. The college offers 7 under – Graduated programs, 13 post – Graduate programs and research program leading to ph .D, in all engineering and science disciplines.

As a part of curriculum, the following student belonging to 1st Year of communication Engineering are interested in undergoing In-plant training in your organization for a period of (19/06/17 to 25/06/17)

During the course of the training, he will follow the rules and regulations of your organization. So I requested you to kindly permit her my student in your organization for the training

Name of the student: J.Sneka , 16D096,59723.

Thanking you,


f HOD (Signature)

Dr. N.B. BALASUBRAMANIAN, M.E., Ph.D.,
Associate Professor
Department of ECE
Thiagarajar College of Engineering
Madurai-625 015



THIAGARAJAR COLLEGE OF ENGINEERING

(A Govt. Aided Autonomous Institution Affiliated to Anna University)

MADURAI-625015

TO

The General Manager,
Telecom,
O/o GMT, BSNL
Vannerapettai,
Tirunelveli-627003.

Dear Sir,

Sub: Permission for in - plant Training for my student-Request –Reg.

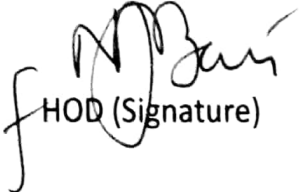
Thiagarajar college of Engineering, Madurai is a 60 year old autonomous institution Aided by state and central Government, accredited and approved by AICTE and affiliated to Anna University. The college offers 7 under – Graduated programs, 13 post – Graduate programs and research program leading to ph .D, in all engineering and science disciplines.

As a part of curriculum, the following student belonging to 1st Year of communication Engineering are interested in undergoing In-plant training in your organization for a period of (19/06/17 to 25/06/17)

During the course of the training, he will follow the rules and regulations of your organization. So I requested you to kindly permit her my student in your organization for the training

Name of the student: M.Vandana, 16D109, 59045.

Thanking you,


HOD (Signature)

Dr. N.B. BALAKRISHNAN, M.E., Ph.D.,
Associate Professor
Department of EEE
Thiagarajar College of Engineering
Madurai-625 015

THIAGARAJAR COLLEGE OF ENGINEERING

(A Govt. Aided Autonomous Institution Affiliated to Anna University)

MADURAI-625015

To

The General manager,

Bsnl office,

BBkulam,

Madurai- 625008

Sir,

SUB: Permission for in-plant training for my Student- Request- Reg.

Thiagarajar College of Engineering, Madurai is a 60 year old autonomous institution aided by State and Central Governments, accredited & approved by AICTE and affiliated to Anna University. The College offers 7 Under Graduated Programs, 13 Post Graduate Programs and research program leading to Ph.D., in all engineering and science disciplines.

As a part of curriculum, the following student belonging to 3rd year of Electronics and Communication Engineering is interested in undergoing in-plant training in your organization for a period of one week (from ~~04/11/17~~ to ~~08/11/17~~).

During the course of the training, he will follow the rules and regulations of your esteemed organization. So, I request you to kindly permit him in your esteemed organization for the necessary in-plant training.

Name of the Student: P.SUBITHA-Reg No.15D095

Regards.

Date :

Principal
Thiagarajar College of Engineering
Madurai

THIAGARAJAR COLLEGE OF ENGINEERING

(A Govt. Aided Autonomous Institution Affiliated to Anna University)

MADURAI-625015

To

The General manager,

Bsnl office,

BBkulam,

Madurai- 625008

Sir,

SUB: Permission for in-plant training for my Student- Request- Reg.

Thiagarajar College of Engineering, Madurai is a 60 year old autonomous institution aided by State and Central Governments, accredited & approved by AICTE and affiliated to Anna University. The College offers 7 Under Graduated Programs, 13 Post Graduate Programs and research program leading to Ph.D., in all engineering and science disciplines.

As a part of curriculum, the following student belonging to 3rd year of Electronics and Communication Engineering is interested in undergoing in-plant training in your organization for a period of one week (from 04/12/17 to 09/12/17).

During the course of the training, he will follow the rules and regulations of your esteemed organization. So, I request you to kindly permit him in your esteemed organization for the necessary in-plant training.

Name of the Student: S.H.NAGANANDHINI-Reg No.15D060

Regards.

Date :

Principal
Thiagarajar College of Engineering
Madurai

THIAGARAJAR COLLEGE OF ENGINEERING

(A Govt. Aided Autonomous Institution Affiliated to Anna University)

MADURAI-625015

To

The General manager,

Bsnl office,

BBkulam,

Madurai- 625008

Sir,

SUB: Permission for in-plant training for my Student- Request- Reg.

Thiagarajar College of Engineering, Madurai is a 60 year old autonomous institution aided by State and Central Governments, accredited & approved by AICTE and affiliated to Anna University. The College offers 7 Under Graduated Programs, 13 Post Graduate Programs and research program leading to Ph.D., in all engineering and science disciplines.

As a part of curriculum, the following student belonging to 3rd year of Electronics and Communication Engineering is interested in undergoing in-plant training in your organization for a period of one week (from 04/12/17 to 09/12/17).

During the course of the training, he will follow the rules and regulations of your esteemed organization. So, I request you to kindly permit him in your esteemed organization for the necessary in-plant training.

Name of the Student: V.B.THANGABACKYA-Reg No.15D104

Regards.

Date :

Principal
Thiagarajar College of Engineering
Madurai

THIAGARAJAR COLLEGE OF ENGINEERING

(A Govt. Aided Autonomous Institution Affiliated to Anna University)

MADURAI-625015

To

The General manager,

Bsnl office,

BBkulam,

Madurai- 625008

Sir,

SUB: Permission for in-plant training for my Student- Request- Reg.

Thiagarajar College of Engineering, Madurai is a 60 year old autonomous institution aided by State and Central Governments, accredited & approved by AICTE and affiliated to Anna University. The College offers 7 Under Graduated Programs, 13 Post Graduate Programs and research program leading to Ph.D., in all engineering and science disciplines.

As a part of curriculum, the following student belonging to 3rd year of Electronics and Communication Engineering is interested in undergoing in-plant training in your organization for a period of one week (from ~~01/12/17~~ to ~~09/12/17~~).

During the course of the training, he will follow the rules and regulations of your esteemed organization. So, I request you to kindly permit him in your esteemed organization for the necessary in-plant training.

Name of the Student: P.RAMASUNDARI-Reg No.15D071

Regards.

Date :

Principal
Thiagarajar College of Engineering
Madurai

THIAGARAJAR COLLEGE OF ENGINEERING

(A Govt. Aided Autonomous Institution Affiliated to Anna University)

MADURAI-625015

To

The Manager,
HRD Office,
ISTRAC-ISRO,
Peenya,
Bangalore- 560058.

Sir,

SUB: Permission for in-plant training for my Student- Request- Reg.

Thiagarajar College of Engineering, Madurai is a 60 year old autonomous institution aided by State and Central Governments, accredited & approved by AICTE and affiliated to Anna University. The College offers 7 Under Graduated Programs, 13 Post Graduate Programs and research program leading to Ph.D., in all engineering and science disciplines.

As a part of curriculum, the following student belonging to 3rd year of Electronics and Communication Engineering is interested in undergoing in-plant training in your organization for a period of two weeks (from 27/11/17 to 08/12/17).

During the course of the training, he will follow the rules and regulations of your esteemed organization. So, I request you to kindly permit him in your esteemed organization for the necessary in-plant training.

Name of the Student: V.MUKUND – Reg No.15D055

Regards.

Date : 10/11/17

Dean – Industry Interface
Thiagarajar College of Engineering
Madurai

R & F
Mukund

MB
Depp. P.C

MB
P.O

G Ananthi
(G. ANANTHI)



THIAGARAJAR COLLEGE OF ENGINEERING

(A Govt. Aided Autonomous Institution Affiliated to Anna University)

MADURAI-625015

To

The Manager,
HRD Office,
ISTRAC-ISRO,
Peenya,
Bangalore- 560058.

Sir,

SUB: Permission for in-plant training for my Student- Request- Reg.

Thiagarajar College of Engineering, Madurai is a 60 year old autonomous institution aided by State and Central Governments, accredited & approved by AICTE and affiliated to Anna University. The College offers 7 Under Graduated Programs, 13 Post Graduate Programs and research program leading to Ph.D., in all engineering and science disciplines.

As a part of curriculum, the following student belonging to 3rd year of Electronics and Communication Engineering is interested in undergoing in-plant training in your organization for a period of two weeks (from 27/11/17 to 08/12/17).

During the course of the training, he will follow the rules and regulations of your esteemed organization. So, I request you to kindly permit him in your esteemed organization for the necessary in-plant training.

Name of the Student: R.NEERAJ – Reg No.15D061

Regards.

Date : 10/11/17

Dean – Industry Interface
Thiagarajar College of Engineering
Madurai

(B. Sathya Bama)
Guide
(B. SATHYA BAMA)

Dept. P.O.
P.O.

THIAGARAJAR COLLEGE OF ENGINEERING

(A Govt. Aided Autonomous Institution Affiliated to Anna University)

MADURAI-625015

To

The General manager,

Bsnl office,

BBkulam,

Madurai- 625008

Sir,

SUB: Permission for in-plant training for my Student- Request- Reg.

Thiagarajar College of Engineering, Madurai is a 60 year old autonomous institution aided by State and Central Governments, accredited & approved by AICTE and affiliated to Anna University. The College offers 7 Under Graduated Programs, 13 Post Graduate Programs and research program leading to Ph.D., in all engineering and science disciplines.

As a part of curriculum, the following student belonging to 3rd year of Electronics and Communication Engineering is interested in undergoing in-plant training in your organization for a period of one week (from 04/12/17 to 09/12/17).

During the course of the training, he will follow the rules and regulations of your esteemed organization. So, I request you to kindly permit him in your esteemed organization for the necessary in-plant training.

Name of the Student: M.SUBALAKSHMI-Reg No.15D094

Regards.

Date :

Principal
Thiagarajar College of Engineering
Madurai



THIAGARAJAR COLLEGE OF ENGINEERING
(A Govt. Aided Autonomous Institution Affiliated to Anna University)
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Fax:0452-2483427

Ph.:04522482430(Extn.301/302)

Request letter for In-Plant Training

Date:22.11.2017

To

The Director
IGCAR
Indhra Gandhi College for Atomic Research
Kalpakam

Sir,

Sub: Permission for In-Plant Training -- Requested -- Reg.

Thiagarajar college of Engineering is a 60 years old Autonomous Institution aided by State and Central Governments, accredited and approved by AICTE and affiliated to Anna University. The college offers 8 undergraduate programs, 13 postgraduate programs and research programs leading to Ph.D., in all Engineering and Science disciplines.

As a part of curriculum, the following student belonging to B.E., V semester of Electronics and Communication Engineering are interested in undergoing In-Plant Training in your organization for a period of ONE week preferably from 27/11/2017 to 04/12/2017. During the course of the training, our student will follow the rules and regulations of your organization. Kindly intimate to us the status of permitting our students in your organization during the above period.

S.NO.	REG. NO.	NAME
1.	15D137	S.PRIYADARSHINI

Thanking you,

Yours faithfully,


HOD ECE

Dr. N.B. BALAMURUGAN, M.E., Ph.D.,
Associate Professor
Department of ECE
Thiagarajar College of Engineering
Madurai-625 015

THIAGARAJAR COLLEGE OF ENGINEERING

(A Govt. Aided Autonomous Institution Affiliated to Anna University)

MADURAI-625015

To

The General manager,

Bsnl office,

BBkulam,

Madurai- 625008

Sir,

SUB: Permission for in-plant training for my Student- Request- Reg.

Thiagarajar College of Engineering, Madurai is a 60 year old autonomous institution aided by State and Central Governments, accredited & approved by AICTE and affiliated to Anna University. The College offers 7 Under Graduated Programs, 13 Post Graduate Programs and research program leading to Ph.D., in all engineering and science disciplines.

As a part of curriculum, the following student belonging to 3rd year of Electronics and Communication Engineering is interested in undergoing in-plant training in your organization for a period of one week (from ~~04/12/17~~ to ~~09/12/17~~).

During the course of the training, he will follow the rules and regulations of your esteemed organization. So, I request you to kindly permit him in your esteemed organization for the necessary in-plant training.

Name of the Student: MAHALAKSHMI.S—Reg No.15D130

Regards.

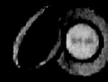
Date :

Principal
Thiagarajar College of Engineering
Madurai



Thiagarajar College of Engineering

- Where quality and ethics matter



To
The Manager,
BSNL Office ,
HRD ,
Virudhunagar,
626001.

Sir,

Sub: permission for implant training for my student request reg.

THIAGARAJAR COLLEGE OF ENGINEERING, Madurai is a 60 year old autonomous institution aided by state and central government, accredited and approved by AICTE and affiliated to Anna University. The college offers 7 under graduated programs, 13 post graduated programs, and research program leading to Ph.D., in all engineering and science disciplines.

As a part of curriculum, the following student belonging to 2nd year of Electronics and Communication Engineering is interested in undergoing in-plant training in your organization for a period of one week (from 11/12/2017 to 15/12/2017).

During the course of the training, she will follow the rules and regulations of your esteemed organization. So, I request you to kindly permit her in your esteemed organization for the necessary in-plant training.

Name of the student : Thangamari, reg. No. 16D102

Regards.

Date : 06/12/17


Signature of HOD



THIAGARAJAR COLLEGE OF ENGINEERING

(A Govt. Aided Autonomous Institution Affiliated to Anna University)

MADURAI-625015

To

The Airport Authority of India,

Madurai

Sir,

SUB: Permission for in-plant training for my Student- Request- Reg.

Thiagarajar College of Engineering, Madurai is a 60 year old autonomous institution aided by State and Central Governments, accredited & approved by AICTE and affiliated to Anna University. The College offers 7 Under Graduated Programs, 13 Post Graduate Programs and research program leading to Ph.D., in all engineering and science disciplines.

As a part of curriculum, the following student belonging to 3rd year of Electronics and Communication Engineering is interested in undergoing in-plant training in your organization for a period of one week.

During the course of the training, he will follow the rules and regulations of your esteemed organization. So, I request you to kindly permit him in your esteemed organization for the necessary in-plant training.

Name of the Student: S.MADHURA – Reg No.15D048

Regards.

Date :20/11/17


HOD-ECE 20/11/17

Thiagarajar College of Engineering
Madurai

r. N.B. BALAMURUGAN, M.E., Ph.D.,
Associate Professor
Department of ECE

THIAGARAJAR COLLEGE OF ENGINEERING

(A Govt. Aided Autonomous Institution Affiliated to Anna University)

MADURAI-625015

To

The Airport Authority of India,

Madurai.

Sir,

SUB: Permission for in-plant training for my Student- Request- Reg.

Thiagarajar College of Engineering, Madurai is a 60 year old autonomous institution aided by State and Central Governments, accredited & approved by AICTE and affiliated to Anna University. The College offers 7 Under Graduated Programs, 13 Post Graduate Programs and research program leading to Ph.D., in all engineering and science disciplines.

As a part of curriculum, the following student belonging to 3rd year of Electronics and Communication Engineering is interested in undergoing in-plant training in your organization for a period of one week

During the course of the training, he will follow the rules and regulations of your esteemed organization. So, I request you to kindly permit her in your esteemed organization for the necessary in-plant training.

Name of the Student: ASHWIN KUMAR T

Reg. No.: 15D011

Regards.

Date : 6.12.17



Thiagarajar College of Engineering
Madurai – 625 015.

Dr. N.B. BALAMURUGAN, M.E., Ph.D.,
Associate Professor
Department of ECE
Thiagarajar College of Engineering
Madurai-625 015

THIAGARAJAR COLLEGE OF ENGINEERING

(A Govt. Aided Autonomous Institution Affiliated to Anna University)

MADURAI-625015

To

The Airport Authority of India,

Madurai.

Sir,

SUB: Permission for in-plant training for my Student- Request- Reg.

Thiagarajar College of Engineering, Madurai is a 60 year old autonomous institution aided by State and Central Governments, accredited & approved by AICTE and affiliated to Anna University. The College offers 7 Under Graduated Programs, 13 Post Graduate Programs and research program leading to Ph.D., in all engineering and science disciplines.

As a part of curriculum, the following student belonging to 3rd year of Electronics and Communication Engineering is interested in undergoing in-plant training in your organization for a period of one week

During the course of the training, he will follow the rules and regulations of your esteemed organization. So, I request you to kindly permit her in your esteemed organization for the necessary in-plant training.

Name of the Student: ASHOK KUMAR S

Reg. No.: 15D118

Regards.

Date : 6.12.19


HOD ECE
Thiagarajar College of Engineering
Madurai – 625 015.

Dr. N.B. BALAMURUGAN, M.E., Ph.D.,
Associate Professor
Department of ECE
Thiagarajar College of Engineering
Madurai-625 015

THIAGARAJAR COLLEGE OF ENGINEERING

(A Govt. Aided Autonomous Institution Affiliated to Anna University)

MADURAI-625015

To

The Airport Authority of India,

Madurai.

Sir,

SUB: Permission for in-plant training for my Student- Request- Reg.

Thiagarajar College of Engineering, Madurai is a 60 year old autonomous institution aided by State and Central Governments, accredited & approved by AICTE and affiliated to Anna University. The College offers 7 Under Graduated Programs, 13 Post Graduate Programs and research program leading to Ph.D., in all engineering and science disciplines.

As a part of curriculum, the following student belonging to 3rd year of Electronics and Communication Engineering is interested in undergoing in-plant training in your organization for a period of one week

During the course of the training, he will follow the rules and regulations of your esteemed organization. So, I request you to kindly permit her in your esteemed organization for the necessary in-plant training.

Name of the Student: VIVEK RAJ T

Reg. No.: 15D150

Regards.

Date: 6.12.17


fhdccf
Thiagarajar College of Engineering
Madurai – 625 015.

Dr. N.B. BALAMURUGAN, M.E., Ph.D.,
Associate Professor
Department of ECE
Thiagarajar College of Engineering
Madurai-625 015

THIAGARAJAR COLLEGE OF ENGINEERING

(An Autonomous Institution Affiliated to Anna University, Chennai)

MADURAI – 625015.



BONAFIDE CERTIFICATE

This is to certify that the 14EC880 Project entitled "DESIGN AND IMPLEMENTATION OF BEAMFORMING NETWORK FOR SEE THROUGH WALL APPLICATION", being submitted by **S.MUTHIAH** (Register Number **14D51**) in partial fulfillment for the requirement of Bachelor of Engineering Degree in Electronics and Communication Engineering, is a record of bonafide work done by him during the year 2017-2018 under my supervision. The results embodied in this report have not been submitted to any other university or institute for the award of any degree or diploma.

Dr. Mrs. A. Thenmozhi M.E., Ph.D

Associate Professor,

Department of ECE,

Station: Madurai

Dr. Mrs. R. Sukanesh, M.E., Ph.D

Professor and Head,

Department of ECE,

Date: 2/5/18

Certified that the Candidate was examined in the Viva-Voce Examination held at Thiagarajar College of Engineering, Madurai on 7/5/18.

INTERNAL EXAMINER

EXTERNAL EXAMINER

HDECE

THIAGARAJAR COLLEGE OF ENGINEERING

(An Autonomous Institution Affiliated to Anna University, Chennai)

MADURAI – 625 015



BONAFIDE CERTIFICATE

This is to certify that the 14EC880 Project entitled “RF ENERGY HARVESTING SYSTEM FOR MOBILE APPLICATION”, being submitted by **SATHISH.S** (Register Number **14D143**), in partial fulfillment for the requirement of Bachelor of Engineering Degree in Electronics and Communication Engineering, is a record of bonafide work done by him during the year 2017-2018 under my supervision. The results embodied in this report have not been submitted to any other university or institute for the award of any degree or diploma.

Dr. Mrs. A. Thenmozhi M.E., Ph.D

Associate Professor,

Department of ECE,

Dr. Mrs. R. Sukanesh, M.E., Ph.D

Professor and Head,

Department of ECE,

Station: Madurai

Date: 2/5/18

Certified that the Candidate was examined in the Viva-Voce Examination held at Thiagarajar College of Engineering, Madurai on 7/5/18.

INTERNAL EXAMINER

EXTERNAL EXAMINER

HDECE

8

THIAGARAJAR COLLEGE OF ENGINEERING

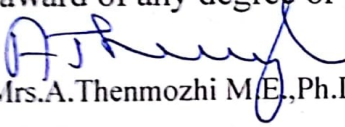
(An Autonomous Institution Affiliated to Anna University, Chennai)

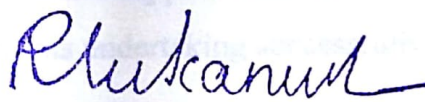
MADURAI – 625 015



BONAFIDE CERTIFICATE

This is to certify that the 14EC880 Project entitled “**DESIGN A S-BAND PATCH ARRAY ANTENNA FOR CUBSAT APPLICATION**”, being submitted by **ANAND.S** (Register Number **14D123**), **NANTHALAL.M.K** (Register Number **14D137**) and **VIGNESH.R** (Register Number **14D115**) in partial fulfillment for the requirement of Bachelor of Engineering Degree in Electronics and Communication Engineering, is a record of bonafide work done by them during the year 2017-2018 under my supervision. The results embodied in this report have not been submitted to any other university or institute for the award of any degree or diploma.

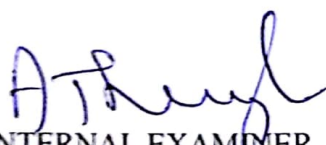

Dr. Mrs. A. Thenmozhi M.E., Ph.D
Associate Professor,
Department of ECE,


Dr. Mrs. R. Sukanesh, M.E., Ph.D
Professor and Head,
Department of ECE,

Station: Madurai

Date: 2/5/18

Certified that the Candidate was examined in the Viva-Voce Examination held at Thiagarajar College of Engineering, Madurai on 7/5/18.


INTERNAL EXAMINER


EXTERNAL EXAMINER


HDECE

THIAGARAJAR COLLEGE OF ENGINEERING

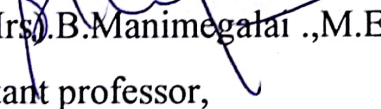
(An Autonomous Institution Affiliated to Anna University, Chennai)

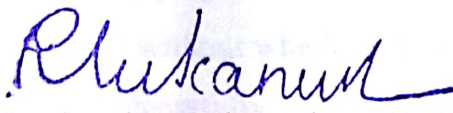
MADURAI – 625 015.



BONAFIDE CERTIFICATE

This is to certify that the 14C880 Project entitled “**SHARED APERTURE ANTENNA FOR MULTIBAND WIRELESS APPLICATION**”, being submitted by **P.M.HARINEE**(Register Number **14D21**) and **P.JHANANI PRADHAKSNA** (Register Number **14D34**) in partial fulfillment for the requirement of Bachelor of Engineering Degree in Electronics and Communication , is a record of bonafide work done by them during the year 2017-2018 under my supervision. The results embodied in this report have not been submitted to any other university or institute for the award of any degree or diploma.

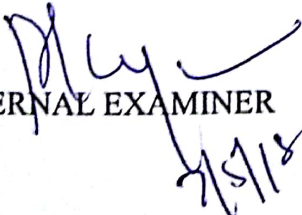

Dr.(Mrs).B.Manimegalai .,M.E.,Ph.D
Assistant professor,
Department of ECE,
(Guide)


Dr.(Mrs).R.Sukanesh.,M.E.,Ph.D
Professor and Head,
Department of ECE,

Station: Madurai

Date: 02/5/18

Certified that the Candidate was examined in the Viva-Voce Examination held at Thiagarajar College of Engineering, Madurai on _____.


INTERNAL EXAMINER


EXTERNAL EXAMINER


HDECE

THIAGARAJAR COLLEGE OF ENGINEERING

(An Autonomous Institution Affiliated to Anna University, Chennai)

MADURAI – 625 015.



BONAFIDE CERTIFICATE

This is to certify that the 14EC880 Project entitled “WEARABLE TEXTILE ANTENNA FOR WIRELESS BODY AREA NETWORK COMMUNICATION”, being submitted by J.NAVEEN (Register Number 14D55), T.T.SABARIS KUMAR (Register Number 14D80) and P.JANAKIRAMAN (Register Number 14D29) in partial fulfillment for the requirement of Bachelor of Engineering Degree in Electronics and Communication Engineering, is a record of bonafide work done by them during the year 2017-2018 under my supervision. The results embodied in this report have not been submitted to any other university or institute for the award of any degree or diploma.

Dr.(Mrs).B.Manimegalai.,M.E.,Ph.D

Assistant professor,

Department of ECE,

(Guide)

Station: Madurai

R. Sukanesh

Dr.(Mrs).R.Sukanesh.,M.E.,Ph.D

Professor and Head,

Department of ECE,

Date: 02/05/18

Certified that the Candidate was examined in the Viva-Voce Examination held at Thiagarajar College of Engineering, Madurai on _____.

[Signature]
INTERNAL EXAMINER
7/5/18

[Signature]
EXTERNAL EXAMINER

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HDECE
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THIAGARAJAR COLLEGE OF ENGINEERING

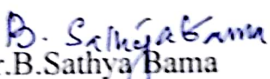
(An Autonomous Institution Affiliated to Anna University, Chennai)

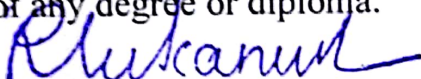
MADURAI – 625 015



BONAFIDE CERTIFICATE

This is to certify that the 14EC880 Project entitled "OBJECT ORIENTED RECOGNITION OF RELIGIOUS IDOLS", being submitted by **R.RAJEEMA** (Register Number **14D72**) and **T.S.SUREKHA** (Register Number **14D102**) in partial fulfillment for the requirement of Bachelor of Engineering Degree in Electronics and Communication Engineering, is a record of bonafide work done by them during the year 2017-2018 under my supervision. The results embodied in this report have not been submitted to any other university or institute for the award of any degree or diploma.

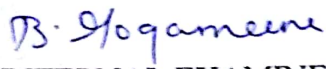

Dr. B. Sathya Bama
Associate Professor
Department of ECE,
(Guide)

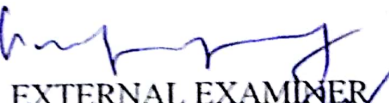

Dr. Mrs. R. Sukanesh, M.E., Ph.D
Professor and Head,
Department of ECE,

Station: Madurai

Date: 27/4/18

Certified that the Candidate was examined in the Viva-Voce Examination held at Thiagarajar College of Engineering, Madurai on 7/5/18.


INTERNAL EXAMINER


EXTERNAL EXAMINER
7/5/18


HDECE

THIAGARAJAR COLLEGE OF ENGINEERING

(An Autonomous Institution Affiliated to Anna University)

MADURAI – 625 015.



BONAFIDE CERTIFICATE

This is to certify that the 14EC880 Project entitled “A Deep Facial Feature based Person Re-Identification for Surveillance Applications”, being submitted by A.SANGEETHA (Register Number 14D85) and S.SARAVANA SRI (Register Number 14D87) in partial fulfillment for the requirement of Bachelor of Engineering Degree in Electronics and Communication Engineering, is a record of bonafide work done by them during the year 2017-2018 under my supervision. The results embodied in this report have not been submitted to any other university or institute for the award of any degree or diploma.

B. Yogameena

Dr. Mrs.B.YOGAMEENA, M.E., Ph.D

Associate Professor,

Department of ECE

(Guide)

R. Sukanesh

Dr.Mrs.R.SUKANESH, M.E., Ph.D

Professor and Head,

Department of ECE

Station: Madurai

Date: 02/05/18

Certified that the Candidate was examined in the Viva-Voce Examination held at Thiagarajar College of Engineering, Madurai on 2/5/18.

B. Yogameena
INTERNAL EXAMINER

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EXTERNAL EXAMINER
7/5/18

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[Signature]

THIAGARAJAR COLLEGE OF ENGINEERING

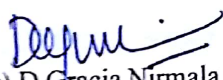
(An Autonomous Institution Affiliated to Anna University, Chennai)


MADURAI – 625 015



BONAFIDE CERTIFICATE

This is to certify that the 14EC880 Project entitled “DESIGN OF CMOS INTEGRATED BIOSENSOR FOR IMPLANTABLE MEDICAL DEVICE”, being submitted by R.ARCHANA (Register Number: 14D09) and K.NIFASATH FARHANA (Register Number: 14D57) in partial fulfillment for the requirement of Bachelor of Engineering Degree in Electronics and Communication Engineering, is a record of bonafide work done by them during the year 2017-2018 under my supervision. The results embodied in this report have not been submitted to any other university or institute for the award of any degree or diploma.

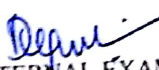

Dr. (Mrs) D. Gracia Nirmala Rani, M.E., Ph.D,
Assistant Professor,
Department of ECE


Dr. (Mrs) R. Sukanesh, M.E., Ph.D,
Professor and Head,
Department of ECE

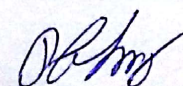
Station: Madurai

Date: 02/05/18

Certified that the Candidate was examined in the Viva-Voce Examination held at Thiagarajar College of Engineering, Madurai on 2/5/18.


INTERNAL EXAMINER


EXTERNAL EXAMINER


HOD ECE

MADURAI – 625 015.



BONAFIDE CERTIFICATE

This is to certify that the 14EC880 Project entitled "DESIGN AND ANALYSIS OF CMOS BASED DUAL BAND LC OSCILLATOR FOR DTH RECEIVER", being submitted by **G.KOWSHIK NARAYANAN** (Register Number 14D43) and **J.MOHAMED ASHFAQ HUSSAIN** (Register Number 14D49) in partial fulfillment for the requirement of Bachelor of Engineering Degree in Electronics and Communication Engineering, is a record of bonafide work done by them during the year 2017-2018 under my supervision. The results embodied in this report have not been submitted to any other university or institute for the award of any degree or diploma.

Devi
Dr.D.GRACIA NIRMALA RANI, M.E.,Ph.D

Assistant Professor,

Department of ECE,

(Guide)

Station: Madurai

R. Sukanesh

Dr.Mrs. R.SUKANESH M.E.,Ph.D

Professor and Head,

Department of ECE,

Date: 02/5/18

Certified that the Candidate was examined in the Viva-Voce Examination held at Thiagarajar College of Engineering, Madurai on 2/5/18.

Devi
INTERNAL EXAMINER

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EXTERNAL EXAMINER

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HOD

THIAGARAJAR COLLEGE OF ENGINEERING

(An Autonomous Institution Affiliated to Anna University)

MADURAI – 625 015.



BONAFIDE CERTIFICATE

This is to certify that the 14EC880 Project entitled “**Mitigation Of Black Hole Attack In VANET Using Hybrid Approach -Genetic Algorithm And Fuzzy Logic**”, being submitted by **K.Brindha**(Register Number: **14D12**), **A.Elakkiya**(Register Number: **14D17**) in partial fulfilment for the requirement of Bachelor of Engineering Degree in Electronics and Communication Engineering, is a record of bonafide work done by them during the year 2017-2018 under my supervision. The results embodied in this report have not been submitted to any other university or institute for the award of any degree or diploma.

Dr. Mrs. E. Murugavalli M.E., Ph.D
Assistant Professor,
Department of ECE,

Dr. Mrs. R. Sukanesh M.E., Ph.D
Professor and Head,
Department of ECE,

Station: Madurai

Date: 02/5/18

Certified that the Candidate was examined in the Viva-Voce Examination held at Thiagarajar College of Engineering, Madurai on 7/5/18.

INTERNAL EXAMINER

EXTERNAL EXAMINER

HDECE

THIAGARAJAR COLLEGE OF ENGINEERING

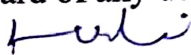
(An Autonomous Institution Affiliated to Anna University, Chennai)

MADURAI – 625 015



BONAFIDE CERTIFICATE

This is to certify that the 14EC880 Project entitled “COMPARATIVE ANALYSIS ON CLUSTERING ALGORITHMS IN WIRELESS SENSOR NETWORKS”, being submitted by *R.JANANI* (Register Number 14D31) and *B.JAYARANJANI* (Register Number 14D32) in partial fulfillment for the requirement of Bachelor of Engineering Degree in Electronics and Communication Engineering, is a record of bonafide work done by them during the year 2017-2018 under my supervision. The results embodied in this report have not been submitted to any other university or institute for the award of any degree or diploma.


Dr.E.Murugavalli,

Assistant Professor,

Department of ECE,

Station: Madurai



Dr.Mrs.R.Sukanesh,M.E.,Ph.D

Professor and Head,

Department of ECE,

Date: 02/05/18

Certified that the Candidate was examined in the Viva-Voce Examination

held at Thiagarajar College of Engineering, Madurai on 7.5.2018.


INTERNAL EXAMINER


EXTERNAL EXAMINER


HDECE

THIAGARAJAR COLLEGE OF ENGINEERING

(An Autonomous Institution Affiliated to Anna University, Chennai)

MADURAI – 625 015.




BONAFIDE CERTIFICATE

This is to certify that the 14EC880 Project entitled “**PERFORMANCE ANALYSIS OF INTRUSION DETECTION IN CYBER PHYSICAL SYSTEM**”, being submitted by **P.ANNAPOORANI** (Register Number **14D06**), **S.ELASWARI** (Register Number **14D18**), and **G.MOHANA** (Register Number **14D134**) in partial fulfillment for the requirement of Bachelor of Engineering Degree in Electronics and Communication Engineering, is a record of bonafide work done by them during the year 2017-2018 under my supervision. The results embodied in this report have not been submitted to any other university or institute for the award of any degree or diploma.


Dr. G. ANANTHI

Assistant Professor
Department of ECE,

Station: Madurai



Dr. Mrs. R. Sukanesh M.E., Ph.D

Professor and Head,
Department of ECE,

Date: 02/05/18

Certified that the Candidate was examined in the Viva-Voce Examination held at Thiagarajar College of Engineering, Madurai on 21/5/18.


INTERNAL EXAMINER


EXTERNAL EXAMINER


HDECE

THIAGARAJAR COLLEGE OF ENGINEERING

(An Autonomous Institution Affiliated to Anna University, Chennai)

MADURAI – 625 015



BONAFIDE CERTIFICATE

This is to certify that the 14EC880 Project entitled “FPGA IMPLEMENTATION OF ARTIFICIAL NEURON FOR HANDWRITTEN DIGIT RECOGNITION SYSTEM”, being submitted by **G.NEPOLEAN** (Register Number **14D56**), **M.PANDIYARAJAN** (Register Number **14D60**), **K.DIVYA BHARATHI** (Register Number **14D16**) in partial fulfillment for the requirement of Bachelor of Engineering Degree in Electronics and Communication Engineering, is a record of bonafide work done by them during the year 2017-2018 under my supervision. The results embodied in this report have not been submitted to any other university or institute for the award of any degree or diploma.

a.a.

Dr.K.Kalyani, M.E.,Ph.D

Assistant Professor

Department of ECE,

R. Sukanesh

Dr.Mrs.R.Sukanesh, M.E.,Ph.D

Professor and Head,

Department of ECE,

Station: Madurai

Date: *2/5/18*

Certified that the Candidate was examined in the Viva-Voce Examination held at Thiagarajar College of Engineering, Madurai on *7/5/18*.

a.a.

INTERNAL EXAMINER

[Signature]
EXTERNAL EXAMINER
7/5/18

[Signature]
HDECE

THIAGARAJAR COLLEGE OF ENGINEERING

(An Autonomous Institution Affiliated to Anna University)

MADURAI – 625 015.



BONAFIDE CERTIFICATE

This is to certify that the 14EC880 Project entitled “LOW SNR UPLINK CFO ESTIMATION FOR NARROW BAND IoT IN LTE”, being submitted by R.RATHNAVAISHALI (Register Number 14D076), S.VARSHA (Register Number 14D109) and C.VINOTHINI (Register Number 14D120) in partial fulfillment for the requirement of Bachelor of Engineering Degree in Communication Systems, is a record of bonafide work done by them during the year 2017-2018 under my supervision. 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 Rajeswari

Dr.Mrs.K.RAJESWARI,M.E.,Ph.D
Assistant Professor,
Department of E.C.E.

R. Sukanesh

Dr.Mrs.R.Sukanesh M.E.,Ph.D
Professor and Head,
Department of E.C.E.

Station: Madurai

Date: 27/4/18

Certified that the Candidate was examined in the Viva-Voce Examination held at Thiagarajar College of Engineering, Madurai on 7/5/18.

K Rajeswari

INTERNAL EXAMINER

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EXTERNAL EXAMINER

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THIAGARAJAR COLLEGE OF ENGINEERING

(An Autonomous Institution Affiliated to Anna University, Chennai)

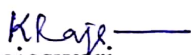
MADURAI – 625 015



BONAFIDE CERTIFICATE

This is to certify that the 14EC880 Project entitled “**Enhancement of Banking functionalities using Componentisation**”, being submitted by **R.SUDHA** (Register Number **14D99**) in partial fulfillment for the requirement of Bachelor of Engineering Degree in Electronics and Communication Engineering, is a record of bonafide work done by her during the year 2017-2018 under my supervision. The results embodied in this report have not been submitted to any other university or institute for the award of any degree or diploma.

Dr.R.Sukanesh, M.E.,Ph.D
Professor and Head,
Department of ECE,



Dr.K.Rajeswari
Assistant Professor,
Department of ECE,

Station: Madurai

Date: 27/4/18

Certified that the Candidate was examined in the Viva-Voce Examination held at Thiagarajar College of Engineering, Madurai on 21/5/18.


INTERNAL EXAMINER


EXTERNAL EXAMINER
7/5/18


HDECE

THIAGARAJAR COLLEGE OF ENGINEERING

(An Autonomous Institution Affiliated to Anna University, Chennai)


MADURAI – 625 015




BONAFIDE CERTIFICATE

This is to certify that the 14EC880 Project entitled “DEFECTED GROUND STRUCTURE (DGS) BASED COMMON MODE FILTER FOR HIGH SPEED DIGITAL CIRCUITS APPLICATIONS”, being submitted by V.NITHIYANANDHAM(Register Number 14D59)and M.VIKNESHWARAN (Register Number 14D119) in partial fulfillment for the requirement of Bachelor of Engineering Degree in Electronics and Communication Engineering, is a record of bonafide work done by them during the year 2017-2018 under my supervision. The results embodied in this report have not been submitted to any other university or institute for the award of any degree or diploma.


Dr.Mr.K.Vasudevan M.E,Ph.D
Associate Professor,
Department of ECE,
Station: Madurai


Dr.Mrs.R.Sukanesh M.E.,Ph.D
Professor and Head,
Department of ECE,
Date: 03/5/18

Certified that the Candidate was examined in the Viva-Voce Examination held at Thiagarajar College of Engineering, Madurai on _____.


INTERNAL EXAMINER


EXTERNAL EXAMINER
7/5/18


HDECE
8

THIAGARAJAR COLLEGE OF ENGINEERING

(An Autonomous Institution Affiliated to Anna University, Chennai)

MADURAI – 625 015



BONAFIDE CERTIFICATE

This is to certify that the 14EC880 Project entitled “Dual L-Slot EBG Structure to mitigate Simultaneous Switching Noise for Mixed Signal System Applications”, being submitted by **R.RANJITH (Reg.no:14D75)** and **R.TAMILVENDAN (Reg.no:14D145)** in partial fulfillment for the requirement of Bachelor of Engineering Degree in Electronics and Communication Engineering, is a record of bonafide work done by them during the year 2017-2018 under my supervision. The results embodied in this report have not been submitted to any other university or institute for the award of any degree or diploma.

Dr.K.Vasudevan, M.E., Ph .D.

Assistant Professor,

Department of ECE,

Station: Madurai

Date: 3/5/18

Dr.Mrs.R.Sukanesh, M.E. ,Ph .D

Professor and Head,

Department of ECE,

Certified that the Candidate was examined in the Viva-Voce Examination held at Thiagarajar College of Engineering, Madurai on 7/5/18.

INTERNAL EXAMINER

EXTERNAL EXAMINER

HDECE

8

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

MADURAI – 625 015



BONAFIDE CERTIFICATE

This is to certify that the 14EC880 Project entitled “**SPEECH AND MUSIC CLASSIFICATION USING MEL FREQUENCY CEPSTRAL COEFFICIENTS**”, being submitted by **B.MAHALAKSHMI (14D46)**, **M.NISHA HARINI (14D58)** and **K.KARTHIGA (14D132)** in partial fulfillment for the requirement of Bachelor of Engineering Degree in Electronics and Communication Engineering, is a record of bonafide work done by them during the year 2017-2018 under my supervision. 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.N. Suresh

Dr.M.N.Suresh, M.E.,Ph.D

Assistant Professor

Department of ECE

Station: Madurai

R. Sukanesh

Dr.Mrs.R.Sukanesh, M.E.,Ph.D

Professor and Head

Department of ECE

Date: 02/5/18

Certified that the Candidate was examined in the Viva-Voce Examination held at Thiagarajar College of Engineering, Madurai on 7/5/18.

M.N. Suresh

INTERNAL EXAMINER

[Signature]
EXTERNAL EXAMINER

[Signature]
HDECE

THIAGARAJAR COLLEGE OF ENGINEERING

(An Autonomous Institution Affiliated to Anna University, Chennai)



MADURAI – 625 015.

BONAFIDE CERTIFICATE

This is to certify that the 14EC880 Project entitled “**DRIVER’S INTENTION IDENTIFICATION AND RISK EVALUATION AT INTERSECTIONS IN THE INTERNET OF VEHICLES**” being submitted by **P.ARCHANA**(Register Number **14D124**) and **K.G.DIVYA**(Register Number **14D125**) in partial fulfillment for the requirement of Bachelor of Engineering Degree in Electronics and Communication Systems , is a record of bonafide work done by them during the year 2017-2018 under my supervision. The results embodied in this report have not been submitted to any other university or institute for the award of any degree or diploma.

Dr.Mr.M.S.K.Marikandan, M.E.,Ph.D,

Associate Professor,

Department of ECE,

Station: Madurai

Dr.Mrs.R.Sukanesh, M.E.,Ph.D,

Professor and Head,

Department of ECE,

Date: 2/5/18

Certified that the Candidate was examined in the Viva-Voce Examination held at Thiagarajar College of Engineering, Madurai on 07/05/2018.

INTERNAL EXAMINER

EXTERNAL EXAMINER

HDECE

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THIAGARAJAR COLLEGE OF ENGINEERING

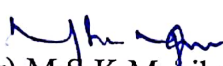
(An Autonomous Institution Affiliated to Anna University, Chennai)

MADURAI – 625 015.

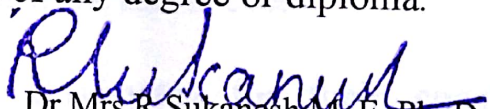


BONAFIDE CERTIFICATE

This is to certify that the 14EC880 Project entitled “Prevention mechanism for denial of service attack over software defined network” being submitted by **M.CHITHRA**(Register Number **14D14**) **V.ISHWARYA** (Register Number **14D28**) in partial fulfillment for the requirement of Bachelor of Engineering Degree in Electronics and Communication Systems , is a record of bonafide work done by them during the year 2017-2018 under my supervision. The results embodied in this report have not been submitted to any other university or institute for the award of any degree or diploma.


Dr.(Mr).M.S.K.Mahikandan M. E. Ph. D,
Associate Professor,
Department of ECE,
(Guide)

Station: Madurai


Dr. Mrs. R. Sukanesh M. E. Ph. D,
Professor and Head,
Department of ECE,

Date: 02/5/18

Certified that the Candidate was examined in the Viva-Voce Examination held at Thiagarajar College of Engineering, Madurai on 07/05/2018.


INTERNAL EXAMINER


EXTERNAL EXAMINER


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THIAGARAJAR COLLEGE OF ENGINEERING

(An Autonomous Institution Affiliated to Anna University, Chennai)

MADURAI – 625 015



BONAFIDE CERTIFICATE

This is to certify that the 14EC880 Project entitled “**MODELLING OF DRAIN CURRENT IN DUAL MATERIAL GATE HEMT USING FDM FOR DEFENCE APPLICATIONS**”, being submitted by **R.ROJANA (14D79)**, **K.SWATHIKA (14D105)** and **A.VASANTHA PRIYA (14D112)** in partial fulfillment for the requirement of Bachelor of Engineering Degree in Electronics and Communication Engineering, is a record of bonafide work done by them during the year 2017-2018 under my supervision. The results embodied in this report have not been submitted to any other university or institute for the award of any degree or diploma.

Dr.N.B.Balamurugan M.E.,Ph.D
Associate Professor,

Department of ECE,

(Guide)

Dr.Mrs.R.Sukanesh, M.E.,Ph.D
Associate Professor and Head,

Department of ECE,

Station: Madurai

Date: 24/18

Certified that the Candidate was examined in the Viva-Voce Examination held at Thiagarajar College of Engineering, Madurai on 7/5/18.

INTERNAL EXAMINER
EXTERNAL EXAMINER
HDECE

THIAGARAJAR COLLEGE OF ENGINEERING

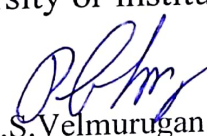
(An Autonomous Institution Affiliated to Anna University, Chennai)

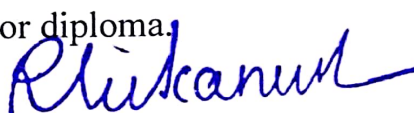
MADURAI – 625 015



BONAFIDE CERTIFICATE

This is to certify that the 14EC880 Project entitled “INTERFERENCE ALIGNMENT AND ENERGY HARVESTING IN CELLULAR NETWORKS WITH ADVERSARIAL JAMMERS AND EAVESDROPPERS”, being submitted by **K.SWARNAMUKI** (Register Number **14D104**) and **M.YUVARANI** (Register Number **14D122**) in partial fulfillment for the requirement of Bachelor of Engineering Degree in Electronics and Communication Engineering, is a record of bonafide work done by them during the year 2017-2018 under my supervision. The results embodied in this report have not been submitted to any other university or institute for the award of any degree or diploma.


Dr.P.G.S.Velmurugan, M.E.,Ph.D
Assistant Professor,
Department of ECE,


Dr.Mrs.R.Sukanesh, M.E.,Ph.D
Professor and Head,
Department of ECE,

Station: Madurai

Date: 27/4/18

Certified that the Candidate was examined in the Viva-Voce Examination held at Thiagarajar College of Engineering, Madurai on 7/5/18.


INTERNAL EXAMINER


EXTERNAL EXAMINER


HDECE

THIAGARAJAR COLLEGE OF ENGINEERING

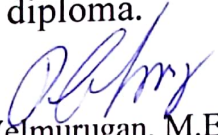
(An Autonomous Institution Affiliated to Anna University, Chennai)


MADURAI – 625 015



BONAFIDE CERTIFICATE

This is to certify that the 14EC880 Project entitled “**INDOOR LOCALIZATION USING Wi-Fi RSSI VALUES**”, being submitted by **S.PRIYALAKSHMI** (Register Number **14D70**), and **RM.SUBASHRI** (Register Number **14D97**) in partial fulfillment for the requirement of Bachelor of Engineering Degree in Electronics and Communication Engineering, is a record of bonafide work done by them during the year 2017-2018 under my supervision. The results embodied in this report have not been submitted to any other university or institute for the award of any degree or diploma.



Dr.P.G.S.Velmurugan, M.E.,Ph.D
Assistant Professor,
Department of ECE,



Dr.Mrs.R.Sukanesh, M.E.,Ph.D
Professor and Head,
Department of ECE,

Station: Madurai

Date: 27/4/18

Certified that the Candidate was examined in the Viva-Voce Examination held at Thiagarajar College of Engineering, Madurai on 21/5/18.


INTERNAL EXAMINER


EXTERNAL EXAMINER
7/5/18


HDECE

THIAGARAJAR COLLEGE OF ENGINEERING

(An Autonomous Institution Affiliated to Anna University, Chennai)

MADURAI – 625 015.



BONAFIDE CERTIFICATE

This is to certify that the 14EC880 Project entitled "SPATIO-SPECTRAL FEATURE BASED POST CLASSIFICATION CHANGE DETECTION FOR URBAN SPRAWL MONITORING" being submitted by *J. CHARLES* (Register Number 14D13) in partial fulfillment for the requirement of Bachelor of Engineering Degree in Electronics and Communication Engineering, is a record of bonafide work done by him during the year 2017-2018 under my supervision. The results embodied in this report have not been submitted to any other university or institute for the award of any degree or diploma.



Dr.R.A.ALAGURAJA

Assistant Professor

Department of ECE,

(Guide)

Station: Madurai



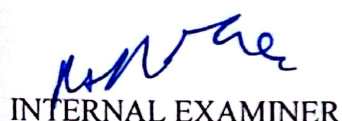
Dr.Mrs.R.Sukanesh M.E.,Ph.D

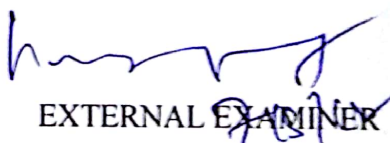
Professor and Head,

Department of ECE,

Date: 27/4/18

Certified that the Candidate was examined in the Viva-Voce Examination held at Thiagarajar College of Engineering, Madurai on 25/18.


INTERNAL EXAMINER


EXTERNAL EXAMINER


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THIAGARAJAR COLLEGE OF ENGINEERING

(An Autonomous Institution Affiliated to Anna University, Chennai)

MADURAI – 625 015.

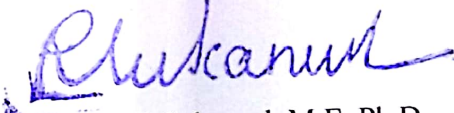


BONAFIDE CERTIFICATE

This is to certify that the 14EC880 Project entitled “WATER BODY ENCROACHMENT MONITORING USING REMOTE SENSING” being submitted by R.NANDHAKUMRAN (Register number:14D53), M.VISHNUVARTHAN (Register number:14D146) in partial fulfillment for the requirement of Bachelor of Engineering Degree in Electronics and Communication Engineering, is a record of bonafide work done by them during the year 2017-2018 under my supervision. The results embodied in this report have not been submitted to any other university or institute for the award of any degree or diploma.


Dr.R.A.ALAGURAJA


Assistant Professor
Department of ECE,
(Guide)
Station: Madurai



Dr.Mrs.R.Sukanesh M.E.,Ph.D
Professor and Head,
Department of ECE,

Date: 02/5/18

Certified that the Candidate was examined in the Viva-Voce Examination held at Thiagarajar College of Engineering, Madurai on 7/5/18.


INTERNAL EXAMINER


EXTERNAL EXAMINER
7/5/18

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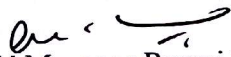
(An Autonomous Institution Affiliated to Anna University, Chennai)


MADURAI – 625 015



BONAFIDE CERTIFICATE

This is to certify that the 14EC880 Project entitled “A Multivariate Gaussian Modeling for Counting Bananas”, being submitted by **T.M.NAVARASY** (Register Number **14D54**) in partial fulfillment for the requirement of Bachelor of Engineering Degree in Electronics and Communication Engineering, is a record of bonafide work done by her during the year 2017-2018 under my supervision. The results embodied in this report have not been submitted to any other university or institute for the award of any degree or diploma.

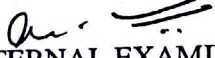

Dr.S.Md.Mansoor Roomi, M.E., Ph.D
Assistant Professor,
Department of ECE,
(Guide)



Dr. Mrs. R. Sukanesh, M.E., Ph.D
Professor and Head,
Department of ECE.


Station: Madurai

Date: 2/5/18

Certified that the Candidate was examined in the Viva-Voce Examination held at Thiagarajar College of Engineering, Madurai on 2/5/18.


INTERNAL EXAMINER


EXTERNAL EXAMINER
7/5/18


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THIAGARAJAR COLLEGE OF ENGINEERING

(An Autonomous Institution Affiliated to Anna University, Chennai)

MADURAI – 625 015



BONAFIDE CERTIFICATE

This is to certify that the 14EC880 Project entitled "Automation Of Private Regression Testing", being submitted by **M.JANANI** (Register Number **14D30**), in partial fulfillment for the requirement of Bachelor of Engineering Degree in Electronics and Communication Engineering, is a record of bonafide work done by her during the year 2017-2018 under my supervision. The results embodied in this report have not been submitted to any other university or institute for the award of any degree or diploma.

Dr. S.Md.Mansoor Roomi, M.E.,Ph.D
Assistant Professor,
Department of ECE,

Dr. Mrs. R. Sukanesh, M.E., Ph.D
Professor and Head,
Department of ECE,

Station: Madurai

Date: 27/4/18

Certified that the Candidate was examined in the Viva-Voce Examination held at Thiagarajar College of Engineering, Madurai on 7/5/18.

INTERNAL EXAMINER

EXTERNAL EXAMINER

7/5/18

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THIAGARAJAR COLLEGE OF ENGINEERING


(An Autonomous Institution Affiliated to Anna University, Chennai)

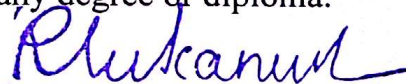
MADURAI – 625 015



BONAFIDE CERTIFICATE

This is to certify that the 14EC880 Project entitled “AUTOMATION OF SYSTEM INTEGRATION TESTING IN CONTENT DELIVERY NETWORK”, being submitted by **K.S.SHOBICA** (Register Number **14D91**), in partial fulfillment for the requirement of Bachelor of Engineering Degree in Electronics and Communication Engineering, is a record of bonafide work done by her during the year 2017-2018 under my supervision. The results embodied in this report have not been submitted to any other university or institute for the award of any degree or diploma.


Dr. Mr. S. Md. Mansoor Roomi, M.E., Ph.D
Assistant Professor,
Department of ECE,
(Guide)

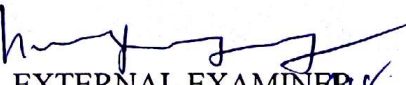

Dr. Mrs. R. Sukanesh, M.E., Ph.D
Professor and Head,
Department of ECE.


Station: Madurai

Date: 02/5/18

Certified that the Candidate was examined in the Viva-Voce Examination held at Thiagarajar College of Engineering, Madurai on 7/5/18.


INTERNAL EXAMINER


EXTERNAL EXAMINER ✓


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THIAGARAJAR COLLEGE OF ENGINEERING


(An Autonomous Institution Affiliated to Anna University, Chennai)


MADURAI – 625 015.



BONAFIDE CERTIFICATE

This is to certify that the 14CN410 Project II entitled "INTELLIGENT SURVEILLANCE SYSTEM FOR ATM", being submitted by **M.KAVITHA** (Register Number 16N008) in partial fulfillment for the requirement of Master of Engineering Degree in Communication Systems, is a record of bonafide work done by her during the year 2017-2018 under my supervision. The results embodied in this report have not been submitted to any other university or institute for the award of any degree or diploma.


Dr.S.Md.Mansoor Roomi M.E.,M.E.,Ph.D
Assistant Professor,
Department of ECE,


Dr.Mrs.R.Sukanesh M.E.,Ph.D
Professor and Head,
Department of ECE,

Station: Madurai

Date: 02/5/18.

Certified that the Candidate was examined in the Viva-Voce Examination held at Thiagarajar College of Engineering, Madurai on 07/05/18.


INTERNAL EXAMINER


EXTERNAL EXAMINER


HDECE

THIAGARAJAR COLLEGE OF ENGINEERING

(An Autonomous Institution Affiliated to Anna University, Chennai)

MADURAI – 625 015.



BONAFIDE CERTIFICATE

This is to certify that the 14EC880 Project entitled “A NON-INVASIVE BLOOD GLUCOSE MONITORING DEVICE USING RED LASER LIGHT”, being submitted by P.MUHAMADUYASIC (Register Number 14D135) and K.M.GOPINATH (Register Number 14D126) in partial fulfillment for the requirement of Bachelor of Engineering Degree in Electronics and Communication Engineering, is a record of bonafide work done by them during the year 2017-2018 under my supervision. The results embodied in this report have not been submitted to any other university or institute for the award of any degree or diploma.

Dr.(Mrs).R.SUKANESH

Head of Department,

ECE,

(Guide)

Station: Madurai

Dr.(Mrs).R.SUKANESH

Head of Department,

ECE, 2

Date: 2/5/18

Certified that the Candidate was examined in the Viva-Voce Examination held at Thiagarajar College of Engineering, Madurai on 7.5.18

INTERNAL EXAMINER

EXTERNAL EXAMINER

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THIAGARAJAR COLLEGE OF ENGINEERING

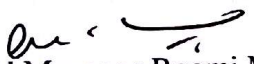
(An Autonomous Institution Affiliated to Anna University, Chennai)


MADURAI – 625 015



BONAFIDE CERTIFICATE

This is to certify that the 14EC880 Project entitled “A Multivariate Gaussian Modeling for Counting Bananas”, being submitted by **T.M.NAVARASY** (Register Number **14D54**) in partial fulfillment for the requirement of Bachelor of Engineering Degree in Electronics and Communication Engineering, is a record of bonafide work done by her during the year 2017-2018 under my supervision. The results embodied in this report have not been submitted to any other university or institute for the award of any degree or diploma.


Dr. S. Md. Mansoor Roomi, M.E., Ph.D
Assistant Professor,
Department of ECE,
(Guide)



Dr. Mrs. R. Sukanesh, M.E., Ph.D
Professor and Head,
Department of ECE.


Station: Madurai

Date: 2/5/18

Certified that the Candidate was examined in the Viva-Voce Examination held at Thiagarajar College of Engineering, Madurai on 2/5/18.


INTERNAL EXAMINER


EXTERNAL EXAMINER
7/5/18


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THIAGARAJAR COLLEGE OF ENGINEERING

(An Autonomous Institution Affiliated to Anna University, Chennai)

MADURAI – 625 015



BONAFIDE CERTIFICATE

This is to certify that the 14EC880 Project entitled “Effective Resource Assignment Strategy in Optical Networks Integrated With Quantum Key Distribution”, being submitted by *A.SELVASUNDAR(14D88)*, *K.SUGEERTHA(14D101)* and *P.VANIYOGESH(14D108)* in partial fulfillment for the requirement of Bachelor of Engineering Degree in Electronics and Communication Engineering, is a record of bonafide work done by them during the year 2017-2018 under my supervision. The results embodied in this report have not been submitted to any other university or institute for the award of any degree or diploma.

Dr.S. Ponmalar, M.E., Ph.D
Assistant Professor
Department of ECE,

Dr.Mrs.R.Sukanesh, M.E., Ph.D
Professor and Head,
Department of ECE,

Station: Madurai

Date: 27/4/18

Certified that the Candidate was examined in the Viva-Voce Examination held at Thiagarajar College of Engineering, Madurai on _____.

INTERNAL EXAMINER

EXTERNAL EXAMINER

HDECE

THIAGARAJAR COLLEGE OF ENGINEERING

(An Autonomous Institution Affiliated to Anna University, Chennai)

MADURAI – 625 015



BONAFIDE CERTIFICATE

This is to certify that the 14EC880 Project entitled "DESIGN AND IMPLEMENTATION OF GMSK-DEMODULATOR ARCHITECHTURE FOR LOW POWER APPLICATION", being submitted by S.R.HARSINI (Register Number 14D26), G.LAVANYA (Register Number 14D44) and M.MADHUBHARATHI (Register Number 14D45) in partial fulfillment for the requirement of Bachelor of Engineering Degree in Electronics and Communication Engineering, is a record of bonafide work done by them during the year 2017-2018 under my supervision. 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.R. 27/4/18

Dr.S.RAJARAM, M.E., Ph.D
Associate Professor,
Department of ECE,

R. Sukanesh

Dr.Mrs.R.Sukanesh, M.E.,Ph.D
Professor and Head,
Department of ECE,

Station: Madurai

Date: 27/4/18

Certified that the Candidate was examined in the Viva-Voce Examination held at Thiagarajar College of Engineering, Madurai on 2/5/18.

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INTERNAL EXAMINER

[Signature]
EXTERNAL EXAMINER

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HDECE

THIAGARAJAR COLLEGE OF ENGINEERING

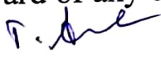
(An Autonomous Institution Affiliated To Anna University, Chennai)


MADURAI-625015



BONAFIDE CERTIFICATE

This is to certify that the 14EC880 Project entitled "ROBUST SECURITY FOR INTERNET OF THINGS IN SMART HEALTHCARE APPLICATIONS", being submitted by S.GAYATHRI (REGNO: 14D19), T.HARINI (REGNO: 14D22), S.KHARTHEHA (REGNO: 14D40) in partial fulfillment for the requirement of Bachelor of Engineering Degree in Electronics and Communication Engineering, is a record of bonafide work done by them during the year 2017-2018 under my supervision. The results embodied in this report have not been submitted to any other university or institute for the award of any degree or diploma.


Dr. T. ARUNA
Assistant Professor,
Department of ECE,


Dr. Mrs. R. Sukanesh, M.E., Ph.D
Professor and Head,
Department of ECE,

Station: Madurai

Date: 02/5/18

Certified that the Candidate was examined in the Viva-Voce Examination held at Thiagarajar College of Engineering, Madurai on 7.5.18.


INTERNAL EXAMINER


EXTERNAL EXAMINER


HDECE
5

THIAGARAJAR COLLEGE OF ENGINEERING

(An Autonomous Institution Affiliated to Anna University, Chennai)

MADURAI – 625 015



BONAFIDE CERTIFICATE

This is to certify that the 14EC880 Project entitled “Throughput Analysis of Wireless Sensor Network for the Internet of Marine Things”, being submitted by *K.C.Salini(14D82)*, *M.S.Jeya Ashwini(14D129)* in partial fulfillment for the requirement of Bachelor of Engineering Degree in Electronics and Communication Engineering, is a record of bonafide work done by them during the year 2017-2018 under my supervision. The results embodied in this report have not been submitted to any other university or institute for the award of any degree or diploma.

Dr.T.Aruna, M.E., Ph.D
Assistant Professor
Department of ECE,

Dr.Mrs.R.Sukanesh, M.E., Ph.D
Professor and Head,
Department of ECE,

Station: Madurai

Date:

Certified that the Candidate was examined in the Viva-Voce Examination held at Thiagarajar College of Engineering, Madurai on 7.5.18.

INTERNAL EXAMINER

EXTERNAL EXAMINER

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THIAGARAJAR COLLEGE OF ENGINEERING

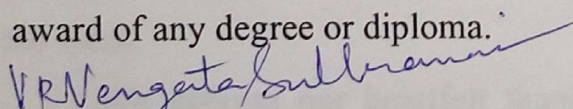
(An Autonomous Institution Affiliated to Anna University, Chennai)

MADURAI – 625 015

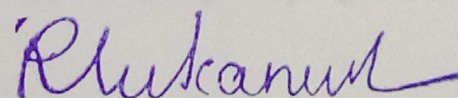


BONAFIDE CERTIFICATE

This is to certify that the 14EC880 Project entitled “An Area-Time Efficient Modular Reduction and Squaring Algorithm in FPGA Platform”, being submitted by **A. VIGNESHWARAN** (Register Number **14D116**) and **V. VIJAY** (Register Number **14D117**) in partial fulfillment for the requirement of Bachelor of Engineering Degree in Electronics and Communication Engineering, is a record of bonafide work done by them during the year 2017-2018 under my supervision. The results embodied in this report have not been submitted to any other university or institute for the award of any degree or diploma.

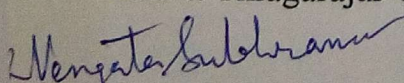

Dr.V.R. Venkatasubramani, A.M.I.E., M.E., Ph.D
Assistant Professor,
Department of ECE,
(Guide)

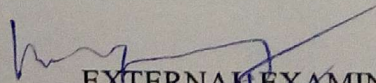
Station: Madurai

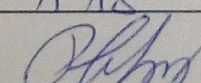

Dr.Mrs.R. Sukanesh, M.E., Ph.D
Professor and Head,
Department of ECE,

Date: 3/5/18

Certified that the Candidate was examined in the Viva-Voce Examination held at Thiagarajar College of Engineering, Madurai on 7/5/18.


INTERNAL EXAMINER


EXTERNAL EXAMINER


HDECE

THIAGARAJAR COLLEGE OF ENGINEERING

(An Autonomous Institution Affiliated to Anna University, Chennai)

MADURAI – 625 015.



BONAFIDE CERTIFICATE

This is to certify that the 14EC880 Project entitled “FPGA Implementation of Transient Effect Ring Oscillator Physically Unclonable Function for IoT Applications”, being submitted by **S. RAMESH** (Register Number **14D140**) and **P. SARAVANA KUMAR** (Register Number **14D141**) in partial fulfillment for the requirement of Bachelor of Engineering Degree in Electronics and Communication Engineering, is a record of bonafide work done by them during the year 2017-2018 under my supervision. The results embodied in this report have not been submitted to any other university or institute for the award of any degree or diploma.

VR Venkata Subramani
Dr.V.R. Venkatasubramani A.M.I.E., M.E., Ph.D
Assistant Professor

Department of ECE,
(Guide)

Station: Madurai

R. Sukanesh
Dr.(Mrs).R.SUKANESH M.E.,Ph.D
Professor and Head,

Department of ECE,

Date: 03/5/18

Certified that the Candidate was examined in the Viva-Voce Examination held at Thiagarajar College of Engineering, Madurai on 25/5/18.

VR Venkata Subramani
INTERNAL EXAMINER

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EXTERNAL EXAMINER

[Signature]
HDECE

THIAGARAJAR COLLEGE OF ENGINEERING

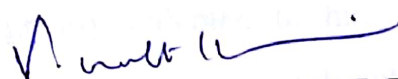
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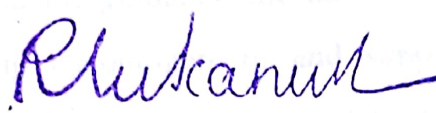
MADURAI – 625 015



BONAFIDE CERTIFICATE

This is to certify that the 14EC880 Project entitled “**FPGA IMPLEMENTATION OF IMAGE FEATURE EXTRACTION USING GLCM ALGORITHM**”, being submitted by **J.JOYLIN** (Register Number **14D35**) and **V.KAMALI** (Register Number **14D36**) in partial fulfillment for the requirement of Bachelor of Engineering Degree in Electronics and Communication, is a record of bonafide work done by them during the year 2017-2018 under my supervision. The results embodied in this report have not been submitted to any other university or institute for the award of any degree or diploma.


Dr. V.Vinoth Thyagarajan, M.E., Ph.D
Assistant Professor,
Department of ECE.
Station: Madurai


Dr. R.Sukanesh, M.E., Ph.D
Head of the Department,
Department of ECE.
Date: 02/5/18

Certified that the Candidate was examined in the Viva-Voce Examination held at Thiagarajar College of Engineering, Madurai on 2/5/18.


INTERNAL EXAMINER


EXTERNAL EXAMINER


HDECE.

THIAGARAJAR COLLEGE OF ENGINEERING

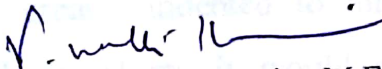
(An Autonomous Institution Affiliated to Anna University, Chennai)

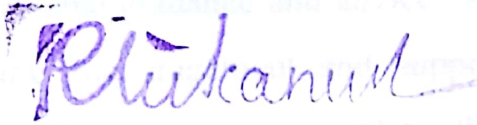
MADURAI – 625 015



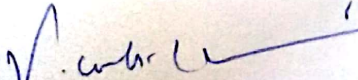
BONAFIDE CERTIFICATE

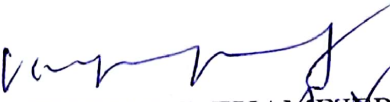
This is to certify that the 14EC880 Project entitled “**POWER ANALYSIS FOR IMAGE FEATURE EXTRACTION ALGORITHM USING CADENCE TOOL**”, being submitted by **J.ARTHI** (Register Number **14D10**), **R.PRASANTHI** (Register Number **14D65**) in partial fulfillment for the requirement of Bachelor of Engineering Degree in Electronics and Communication, is a record of bonafide work done by them during the year 2017-2018 under my supervision. The results embodied in this report have not been submitted to any other university or institute for the award of any degree or diploma.


Dr. V. Vinoth Thyagarajan M.E., Ph.D
Assistant Professor,
Department of ECE.
Station: Madurai


Dr. R. Sukanesh, M.E., Ph.D
Head of the Department,
Department of ECE.
Date: 02/5/18

Certified that the Candidate was examined in the Viva-Voce Examination held at Thiagarajar College of Engineering, Madurai on 7/5/18.


INTERNAL EXAMINER


EXTERNAL EXAMINER


HDECE.

THIAGARAJAR COLLEGE OF ENGINEERING

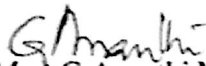
(An Autonomous Institution Affiliated to Anna University, Chennai)

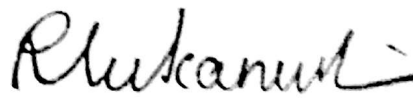
MADURAI – 625 015.



BONAFIDE CERTIFICATE

This is to certify that the 14WT410 Project II entitled "Performance analysis of millimeter wave SWIPT system using Ginibre Point Process", being submitted by **R.JAYAVANI** (Register Number **16WT007**) in partial fulfillment for the requirement of Master of Engineering Degree in Wireless Technologies, is a record of bonafide work done by her during the year 2017-2018 under my supervision. The results embodied in this report have not been submitted to any other university or institute for the award of any degree or diploma.


Dr.(Mrs).G. Ananthi M.E., Ph.D
Assistant Professor,
Department of ECE.


Dr.(Mrs).R. Sukanesh M.E., Ph.D
Professor and Head,
Department of ECE.


Station: Madurai

Date:

Certified that the Candidate was examined in the Viva-Voce Examination held at Thiagarajar College of Engineering, Madurai on 08/05/18.


INTERNAL EXAMINER


EXTERNAL EXAMINER


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THIAGARAJAR COLLEGE OF ENGINEERING

(An Autonomous Institution Affiliated to Anna University, Chennai)

MADURAI – 625 015.



BONAFIDE CERTIFICATE

This is to certify that the 14CN410 Project II entitled “DESIGN OF CASCADED LOW NOISE AMPLIFIER FOR SEE THROUGH WALL APPLICATION”, being submitted by **A.SANKAVI** (Register Number **16N014**) in partial fulfillment for the requirement of Master of Engineering Degree in Communication Systems, is a record of bonafide work done by her during the year 2017-2018 under my supervision. The results embodied in this report have not been submitted to any other university or institute for the award of any degree or diploma.


Dr.A.Thenmozhi M.E.,Ph.D.

Associate Professor,
Department of ECE,

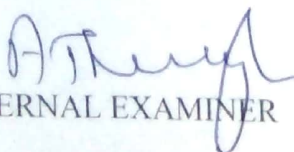


Dr.Mrs.R.Sukanesh M.E.,Ph.D
Professor and Head,
Department of ECE,

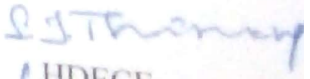
Station: Madurai

Date: 26/4/18

Certified that the Candidate was examined in the Viva-Voce Examination held at Thiagarajar College of Engineering, Madurai on 8/5/18.


INTERNAL EXAMINER


EXTERNAL EXAMINER


HDECE

THIAGARAJAR COLLEGE OF ENGINEERING

(An Autonomous Institution Affiliated to Anna University, Chennai)

MADURAI – 625 015.



BONAFIDE CERTIFICATE

This is to certify that the 14CN410 Project II entitled “DEVELOPMENT OF SHARED APERTURE ANTENNA FOR MULTIBAND WIRELESS APPLICATIONS”, being submitted by **R.VISHALAKSHI** (Register Number **16N022**) in partial fulfillment for the requirement of Master of Engineering Degree in Communication Systems, is a record of bonafide work done by her during the year 2017-2018 under my supervision. The results embodied in this report have not been submitted to any other university or institute for the award of any degree or diploma.

Dr.(Mrs).B.Manimegalai., M.E., Ph.D

Assistant professor

Department of ECE

Dr.(Mrs).R.Sukanesh., M.E., Ph.D

Professor and Head

Department of ECE

Station: Madurai

Date: 02/05/18

Certified that the Candidate was examined in the Viva-Voce Examination held at Thiagarajar College of Engineering, Madurai on 8/5/18.

INTERNAL EXAMINER

EXTERNAL EXAMINER

HDECE

THIAGARAJAR COLLEGE OF ENGINEERING

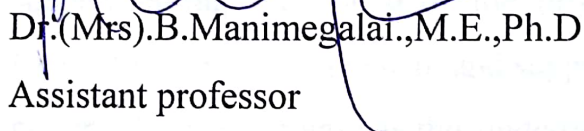
(An Autonomous Institution Affiliated to Anna University, Chennai)


MADURAI – 625 015.



BONAFIDE CERTIFICATE

This is to certify that the 14CN410 Project II entitled “ **Development Of Wearable E-Textile Antenna for WBAN Communication**”, being submitted by **P.SELVA PRAKASH** (Register Number **16N015**) in partial fulfillment for the requirement of Master of Engineering Degree in Communication Systems, is a record of bonafide work done by him during the year 2017-2018 under my supervision. The results embodied in this report have not been submitted to any other university or institute for the award of any degree or diploma.

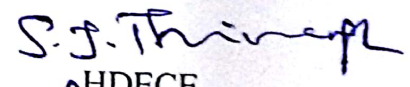

Dr.(Mrs).B.Manimegalai.,M.E.,Ph.D
Assistant professor
Department of ECE
Station: Madurai


Dr.(Mrs).R.Sukanesh.,M.E.,Ph.D
Professor and Head
Department of ECE
Date: 02/5/18

Certified that the Candidate was examined in the Viva-Voce Examination held at Thiagarajar College of Engineering, Madurai on 08/5/18.


INTERNAL EXAMINER


EXTERNAL EXAMINER


S.J.Thirumal
HDECE

THIAGARAJAR COLLEGE OF ENGINEERING


(An Autonomous Institution Affiliated to Anna University, Chennai)


MADURAI – 625 015.



BONAFIDE CERTIFICATE

This is to certify that the 14CN410 Project II entitled "DESIGN AND ANALYSIS OF CMOS LOW NOISE AMPLIFIER FOR V-BAND APPLICATIONS", being submitted by M.DIVYA(Register Number 16N005) in partial fulfillment for the requirement of Master of Engineering Degree in Communication Systems, is a record of bonafide work done by her during the year 2017-2018 under my supervision. The results embodied in this report have not been submitted to any other university or institute for the award of any degree or diploma.


Dr. Mrs. D. Gracia Nirmala Rani M.E., Ph.D
Assistant Professor
Department of ECE,



Dr. Mrs. R. Sukanesh M.E., Ph.D
Professor and Head,
Department of ECE,


Station: Madurai

Date: 21/5/18

Certified that the Candidate was examined in the Viva-Voce Examination held at Thiagarajar College of Engineering, Madurai on 21/5/18.


INTERNAL EXAMINER


EXTERNAL EXAMINER


H.D.E.C.E.

THIAGARAJAR COLLEGE OF ENGINEERING

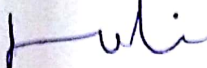
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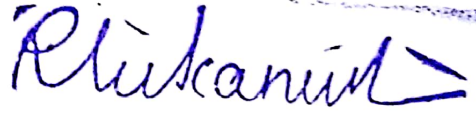
MADURAI – 625 015.




BONAFIDE CERTIFICATE

This is to certify that the 14CN410 Project II entitled “TIME EFFICIENT SECURE COMMUNICATION USING DNA CRYPTOGRAPHY FOR CLOUD COMPUTING ENVIRONMENT”, being submitted by S. KARTHIGA (Register Number 16N007) in partial fulfillment for the requirement of Master of Engineering Degree in Communication Systems, is a record of bonafide work done by her during the year 2017-2018 under my supervision. The results embodied in this report have not been submitted to any other university or institute for the award of any degree or diploma.


Dr.E.Murugavalli
Assistant Professor
Department of ECE,
Station: Madurai


Dr.Mrs.R.SukaneshM.E.,Ph.D.
Professor and Head,
Department of ECE,
Date: 27/4/18

Certified that the Candidate was examined in the Viva-Voce Examination held at Thiagarajar College of Engineering, Madurai on 07.05.18


INTERNAL EXAMINER


EXTERNAL EXAMINER


HODECE

THIAGARAJAR COLLEGE OF ENGINEERING
(An Autonomous Institution Affiliated to Anna University, Chennai)
MADURAI – 625 015.



BONAFIDE CERTIFICATE

This is to certify that the 14CN410 Project II entitled “**FPGA Implementation of Low Density Parity Check Decoder using Parity Check Matrix For Wi-Fi Application**” being submitted by **H.PRAVEENA** (Register Number **16N013**) in partial fulfillment for the requirement of Master of Engineering Degree in Communication Systems, is a record of bonafide work done by her during the year 2017-2018 under my supervision. The results embodied in this report have not been submitted to any other university or institute for the award of any degree or diploma.

a.a.

Dr.(Mrs).K.Kalyani M. E. Ph. D

Assistant Professor

Department of ECE,

(Guide)

Station: Madurai

R. Sukanesh

Dr.Mrs.R.Sukanesh M.E.,Ph.D

Professor and Head,

Department of ECE,

Date: *27/4/18*

Certified that the Candidate was examined in the Viva-Voce Examination held at Thiagarajar College of Engineering, Madurai on *8/5/18*.

a.a.

INTERNAL EXAMINER

[Signature]

EXTERNAL EXAMINER

S.J. Thirup

HDECE

THIAGARAJAR COLLEGE OF ENGINEERING


(An Autonomous Institution Affiliated to Anna University)


MADURAI – 625 015.



BONAFIDE CERTIFICATE

This is to certify that the 14CN410 Project II entitled "IMPROVED ENERGY HARVESTING EFFICIENCY AND SPECTRAL EFFICIENCY WITH MULTIPLE ANTENNA COOPERATIVE RELAY NETWORKS", being submitted by K.LOGA RAJESHWARAN (Register Number 16N010) in partial fulfillment for the requirement of Master of Engineering Degree in Communication Systems, is a record of bonafide work done by him during the year 2017-2018 under my supervision. The results embodied in this report have not been submitted to any other university or institute for the award of any degree or diploma.


Dr. Mrs. K. Rajeswari, M.E., Ph.D
Assistant Professor,
Department of E.C.E.


Dr. Mrs. R. Sukanesh M.E., Ph.D
Professor and Head,
Department of E.C.E.

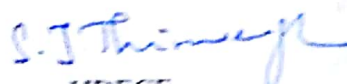
Station: Madurai

Date: 27/4/18

Certified that the Candidate was examined in the Viva-Voce Examination held at Thiagarajar College of Engineering, Madurai on 2.5.18.


INTERNAL EXAMINER


EXTERNAL EXAMINER


HDECE.

PERFORMANCE ANALYSIS OF PHYSICAL LAYER SECURITY IN A BIDIRECTIONAL RELAY NETWORK WITH SOURCE RELAY PAIR SELECTION AND JAMMER SIGNALS

14CN410 Project II

*Submitted in partial fulfillment for the requirement of M.E. degree in
Communication Systems of Anna University*

Submitted by

J.KIRUBA GOLDA
(Reg. No: 16N009)

Guided by

Dr.P.G.S.VELMURUGAN



Department of Electronics and Communication Engineering

THIAGARAJAR COLLEGE OF ENGINEERING
(An Autonomous Institution Affiliated To Anna University, Chennai)

MADURAI – 625 015

April 2018

THIAGARAJAR COLLEGE OF ENGINEERING


(An Autonomous Institution Affiliated to Anna University, Chennai)


MADURAI – 625 015.



BONAFIDE CERTIFICATE

This is to certify that the 14WT410 Project II entitled “Pedestrian Detection using FMCW waveform based Automotive Radar”, being submitted by **PRABAVATHY.T** (Register Number 16WT011) in partial fulfillment for the requirement of Master of Engineering Degree in Wireless Technologies, is a record of bonafide work done by her during the year 2017-2018 under my supervision. The results embodied in this report have not been submitted to any other university or institute for the award of any degree or diploma.



Dr. S.J. Thiruvengadam M.E., Ph.D
Professor,
Department of ECE.

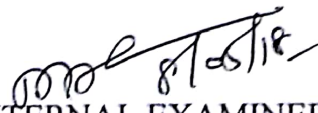

Dr. (Mrs.) R. Sukanesh M.E., Ph.D
Professor and Head,
Department of ECE.

Station: Madurai

Date: 27/4/18.

Certified that the Candidate was examined in the Viva-Voce Examination held at Thiagarajar College of Engineering, Madurai on 28/5/18.


INTERNAL EXAMINER


EXTERNAL EXAMINER


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THIAGARAJAR COLLEGE OF ENGINEERING


(An Autonomous Institution Affiliated to Anna University, Chennai)


MADURAI – 625 015.



BONAFIDE CERTIFICATE

This is to certify that the 14CN410 Project II entitled “INTELLIGENT SURVEILLANCE SYSTEM FOR ATM”, being submitted by **M.KAVITHA** (Register Number **16N008**) in partial fulfillment for the requirement of Master of Engineering Degree in Communication Systems, is a record of bonafide work done by her during the year 2017-2018 under my supervision. The results embodied in this report have not been submitted to any other university or institute for the award of any degree or diploma.


Dr.S.Md.Mansoor Roomi M.E.,M.E.,Ph.D
Assistant Professor,
Department of ECE,


Dr.Mrs.R.Sukanesh M.E.,Ph.D
Professor and Head,
Department of ECE,

Station: Madurai

Date: 02/5/18.

Certified that the Candidate was examined in the Viva-Voce Examination held at Thiagarajar College of Engineering, Madurai on 07/05/18.


INTERNAL EXAMINER


EXTERNAL EXAMINER


HDECE

THIAGARAJAR COLLEGE OF ENGINEERING

(An Autonomous Institution Affiliated to Anna University, Chennai)

MADURAI – 625 015



BONAFIDE CERTIFICATE

This is to certify that the 14CN410 Project II entitled “**PERFORMANCE IMPROVEMENT IN MIMO VISIBLE LIGHT COMMUNICATION SYSTEM**”, being submitted by **R.HARISARAVANAN** (Register Number **16N006**) in partial fulfillment for the requirement of Master of Engineering Degree in Communication Systems, is a record of bonafide work done by him during the year 2017-2018 under my supervision. 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. Ponnalar

Dr.S.Ponnalar

Assistant Professor

Department of ECE,

Station: Madurai

R. Sukanesh

Dr.Mrs.R.Sukanesh M.E., Ph.D.

Professor and Head,

Department of ECE,

Date: 27/04/18

Certified that the Candidate was examined in the Viva-Voce Examination held at Thiagarajar College of Engineering, Madurai on 07/05/18.

S. Ponnalar

INTERNAL EXAMINER

S. Ponnalar

EXTERNAL EXAMINER

S. V. N. G. S. S. S.

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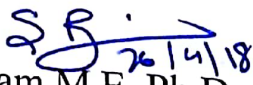
THIAGARAJAR COLLEGE OF ENGINEERING
(An Autonomous Institution Affiliated to Anna University, Chennai)

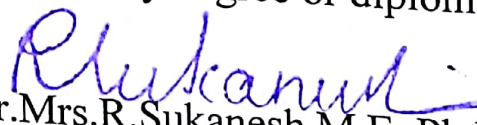
MADURAI – 625 015.



BONAFIDE CERTIFICATE

This is to certify that the 14CN410 Project II entitled “**LAYOUT DESIGN AND ANALYSIS OF X-BAND LOW NOISE AMPLIFIER FOR RADAR APPLICATIONS**”, being submitted by **I.STEFIGRAF** (Register Number **16N018**) in partial fulfillment for the requirement of Master of Engineering Degree in Communication Systems, is a record of bonafide work done by her during the year 2017-2018 under my supervision. The results embodied in this report have not been submitted to any other university or institute for the award of any degree or diploma.


Dr.S.Rajaram M.E.,Ph.D
Associate Professor,
Department of ECE,


Dr.Mrs.R.Sukanesh M.E.,Ph.D
Professor and Head,
Department of ECE,

Station: Madurai

Date: 26/4/18

Certified that the Candidate was examined in the Viva-Voce Examination held at Thiagarajar College of Engineering.

THIAGARAJAR COLLEGE OF ENGINEERING

(An Autonomous Institution Affiliated to Anna University, Chennai)

MADURAI – 625 015.



BONAFIDE CERTIFICATE

This is to certify that the 14WT410 Project II entitled “Design, Analysis and Implementation Of Enhanced Transconductance Amplifier For Bio – Medical Applications”, being submitted by **B.KOWSALYA** (Register Number **16WT010**) in partial fulfillment for the requirement of Master of Engineering Degree in Wireless Technologies, is a record of bonafide work done by her during the year 2017-2018 under my supervision. The results embodied in this report have not been submitted to any other university or institute for the award of any degree or diploma.

SS
25/4/18

Dr.S.Rajaram ME.,PhD
Associate Professor,
Department of ECE,

R. Sukanesh

Dr.Mrs.R.Sukanesh ME.,PhD
Professor and Head,
Department of ECE,

Station: Madurai

Date: 25/4/18

Certified that the Candidate was examined in the Viva-Voce Examination held at Thiagarajar College of Engineering, Madurai on 8.5.18.

SS

INTERNAL EXAMINER

M. S. S. S. S.
8/5/18

EXTERNAL EXAMINER

S. J. Thirumangalakudi
HDECE

**PERFORMANCE ANALYSIS OF PHYSICAL
LAYER NETWORKING USING CONSTANT
ENVELOPE OFDM**

14WT410 Project II

*Submitted in partial fulfillment for the requirement of M.E. degree in
Wireless Technologies of Anna University*

Submitted by

**K.SABHARI HASANA SOPHIA
(Reg. No: 16WT015)**

Guided by

Dr.V.N.SENTHIL KUMARAN



Department of Electronics and Communication Engineering

THIAGARAJAR COLLEGE OF ENGINEERING
(An Autonomous Institution Affiliated To Anna University, Chennai)

MADURAI – 625 015

April 2018

THIAGARAJAR COLLEGE OF ENGINEERING

(An Autonomous Institution Affiliated to Anna University, Chennai)

MADURAI – 625 015.



BONAFIDE CERTIFICATE

This is to certify that the 14WT410 Project II entitled “A MODIFIED QUAD ITOH-TSUJII INVERSION ARCHITECTURE OVER $GF(2^m)$ FOR FPGA PLATFORMS”, being submitted by **P.DHIVYA LAKSHMI** (Register Number **16WT004**) in partial fulfillment for the requirement of Master of Engineering Degree in Wireless Technologies, is a record of bonafide work done by her during the year 2017-2018 under my supervision. The results embodied in this report have not been submitted to any other university or institute for the award of any degree or diploma.

VR Venkatasubramani

Dr.V.R. Venkatasubramani M.E., Ph.D

Assistant Professor

Department of ECE,

(Guide)

Station: Madurai

R. Sukanesh

Dr.(Mrs).R.SUKANESH M.E.,Ph.D

Professor and Head,

Department of ECE,

Date: 27/4/18

Certified that the Candidate was examined in the Viva-Voce Examination held at Thiagarajar College of Engineering, Madurai on 8/5/18.

VR Venkatasubramani

INTERNAL EXAMINER

8/5/18

EXTERNAL EXAMINER

S.J. Thirumangalakudi
HDECE

THIAGARAJAR COLLEGE OF ENGINEERING

(An Autonomous Institution Affiliated to Anna University)

MADURAI – 625 015.



BONAFIDE CERTIFICATE

This is to certify that the 14CN410 Project II entitled "FPGA Implementation Of Texture Feature Extraction For Multispectral Satellite Image", being submitted by **P.STEFFI SHAKILA** (Register Number **16N017**) in partial fulfillment for the requirement of Master of Engineering Degree in Communication Systems, is a record of bonafide work done by her during the year 2017-2018 under my supervision. The results embodied in this report have not been submitted to any other university or institute for the award of any degree or diploma.

[Signature]

Dr. V. Vinoth Thyagarajan M.E., Ph.D
Assistant Professor,
Department of ECE.

[Signature]

Dr. (Mrs). R. Sukanesh, M.E., Ph.D
Head of the Department,
Department of ECE.

Station: Madurai

Date: 27/4/18

Certified that the Candidate was examined in the Viva-Voce Examination held at Thiagarajar College of Engineering, Madurai on 08/05/2018.

[Signature]
INTERNAL EXAMINER

[Signature] 08/5/18
EXTERNAL EXAMINER

[Signature]
HDECE.