

THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI-15

(A Government Aided ISO 9001: 2008 Certified Autonomous Institution Affiliated to Anna University)



BONAFIDE CERTIFICATE

Certified that this project report "MALICIOUS USER DETECTION IN WIDEBAND SPECTRUM SENSING" is the bonafide work of MUTHUKRISHNAN R. (14C66), PRAKASH MUTHU B. (14C76) and AABITH MYDEEN M.A.R. (14C122) who carried out the project work under my supervision during the Academic Year 2017-2018.

SIGNATURE

Dr. S. Mercy Shalinie, M.E., Ph.D.,
HEAD OF THE DEPARTMENT,
COMPUTER SCIENCE & ENGINEERING,
THIAGARAJAR COLLEGE OF
ENGINEERING,
MADURAI-625 015.

SIGNATURE

Dr. C. Senthil Kumar, M.E., Ph.D.,
SUPERVISOR & ASSOC. PROFESSOR,
COMPUTER SCIENCE & ENGINEERING,
THIAGARAJAR COLLEGE OF
ENGINEERING,
MADURAI-625015.

Submitted for the VIVA VOCE Examination held at Thiagarajar College of
Engineering on 04.05.2018

INTERNAL EXAMINER

EXTERNAL EXAMINER

THIAGARAJAR COLLEGE OF ENGINEERING MADURAI-15

(A Government Aided ISO 9001: 2008 Certified Autonomous Institution Affiliated to Anna University)



BONAFIDE CERTIFICATE

Certified that this project report "Outlier Detection using Fuzzy Logic Based Associative Classification" is the bonafide work of SUMAIYA SIDHIKA. M (14C107) and KALAIVANI. M (14C129) who carried out the project work under my supervision during the Academic Year 2017 - 2018.

SIGNATURE

Dr. S. Mercy Shalinie, M.E., Ph.D.,
HEAD OF THE DEPARTMENT,
COMPUTER SCIENCE & ENGINEERING,
THIAGARAJAR COLLEGE OF
ENGINEERING,
MADURAI-625 015.

SIGNATURE

Mrs. A.M. Rajeswari, M.E., (Ph.D.),
ASSISTANT PROFESSOR,
COMPUTER SCIENCE & ENGINEERING,
THIAGARAJAR COLLEGE OF
ENGINEERING,
MADURAI-625015.

Submitted for the VIVA VOCE Examination held at Thiagarajar College of
Engineering on 04.05.2018

INTERNAL EXAMINER
EXTERNAL EXAMINER

THIAGARAJAR COLLEGE OF ENGINEERING MADURAI-15

(A Government Aided ISO 9001: 2008 Certified Autonomous Institution Affiliated to Anna University)



BONAFIDE CERTIFICATE

Certified that this project report "Outlier Detection by Associative Classification" is the bonafide work of JANANI R. (14C43) and YALINI S.K (14C121) who carried out the project work under my supervision during the Academic Year 2017 - 2018.

SIGNATURE

Dr. S. Mercy Shalinie, M.E., Ph.D.,
HEAD OF THE DEPARTMENT,
COMPUTER SCIENCE & ENGINEERING,
THIAGARAJAR COLLEGE OF
ENGINEERING,
MADURAI-625 015.

SIGNATURE

Mrs. A.M. Rajeswari, M.E., (Ph.D.),
ASSISTANT PROFESSOR,
COMPUTER SCIENCE & ENGINEERING,
THIAGARAJAR COLLEGE OF
ENGINEERING,
MADURAI-625015.

Submitted for the VIVA VOCE Examination held at Thiagarajar College of
Engineering on 4.5.2018.

INTERNAL EXAMINER
EXTERNAL EXAMINER

THIAGARAJAR COLLEGE OF ENGINEERING MADURAI-15

(A Government Aided ISO 9001: 2008 Certified Autonomous Institution Affiliated to Anna University)



BONAFIDE CERTIFICATE

Certified that this project report “TEXT EXTRACTION FROM IMAGE USING OPEN CV” is the bonafide work of “ K.VIKRAM SHARMA (14C144) ” who carried out the project work under my supervision during the Academic Year 2017-2018.

SIGNATURE

Dr.S.Mercy Shalinie, M.E., Ph.D.,
HEAD OF THE DEPARTMENT
COMPUTER SCIENCE AND ENGINEERING
THIAGARAJAR COLLEGE OF ENGG.
MADURAI – 625 015

SIGNATURE

Dr.N.Shiva kumar,M.E.,Ph.D.,
ASSISTANT PROFESSOR
COMPUTER SCIENCE AND ENGINEERING
THIAGARAJAR COLLEGE OF ENGG.
MADURAI – 625 015

Submitted for the VIVA VOCE Examination held at Thiagarajar College of
Engineering on 4/5/2018

INTERNAL EXAMINER

EXTERNAL EXAMINER

THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI -15

(A Government Aided ISO 9001 : 2008 certified Autonomous Institution Affiliated to Anna University)



BONAFIDE CERTIFICATE

Certified that this project report "PRESERVING MEDICAL DATA USING FOG COMPUTING" is the bonafide work of **DINESH.S(14C127),GANESH KUMAR.K(14C28)**who carried out the project work under my supervision during the Academic Year 2017-2018.

Dr. S. Mercy Shalinie
SIGNATURE

Dr.S.Mercy Shalinie, M.E., Ph.D.,

HEAD OF THE DEPARTMENT

COMPUTER SCIENCE & ENGINEERING

THIAGARAJAR COLLEGE OF

ENGINEERING

MADURAI – 625 015.

Mr. S. Prasanna
SIGNATURE

Mr.S.Prasanna,M.E.

ASSISTANT PROFESSOR

COMPUTER SCIENCE&ENGINEERING

THIAGARAJAR COLLEGE OF

ENGINEERING

MADURAI – 625 015.

Submitted for the VIVA VOCE Examination held at Thiagarajar College of

Engineering on 5/5/18....

Dr. S. Mercy Shalinie
INTERNAL EXAMINER

Mr. S. Prasanna
EXTERNAL EXAMINER

THIAGARAJAR COLLEGE OF ENGINEERING MADURAI-15

(A Government Aided ISO 9001: 2008 Certified Autonomous Institution Affiliated to Anna University)



BONAFIDE CERTIFICATE

Certified that this project report "Learning URL based Malicious Web Sites Detection" is the bonafide work of S.A.MINNA(14C62) and R.PRIYANGA (14C83) who carried out the project work under my supervision during the Academic Year 2017 - 2018.

Sd. She

SIGNATURE

Dr. S. Mercy Shalinie, ME., Ph.D.,

HEAD OF THE DEPARTMENT

COMPUTER SCIENCE AND

ENGINEERING

THIAGARAJAR COLLEGE OF ENGG.

MADURAI-625015.

Sd. S. L. S.

SIGNATURE

Dr. S. Mercy Shalinie, ME., Ph.D.,

SUPERVISOR &

HEAD OF THE DEPARTMENT

COMPUTER SCIENCE AND

ENGINEERING

THIAGARAJAR COLLEGE OF ENGG.

MADURAI-625015.

Submitted for the VIVA VOCE Examination held at Thiagarajar College of
Engineering on ...*4.5.18*

Sd. S. L. S.

INTERNAL EXAMINER

Sd. S. L. S.

EXTERNAL EXAMINER

THIAGARAJAR COLLEGE OF ENGINEERING MADURAI-15

(A Government Aided ISO 9001: 2008 Certified Autonomous Institution Affiliated to Anna University)



BONAFIDE CERTIFICATE

Certified that this project report "Voice Based Feedback System" is the bonafide work of " JESILA PARVEEN A (14C46) , JEYASHREE DEIVANAI N (14C128) " who carried out the project work under our supervision during the Academic Year 2017-2018.

S.P. Shalini

SIGNATURE

Dr.S.Mercy Shalinie, M.E., Ph.D.,

HEAD OF THE DEPARTMENT

COMPUTER SCIENCE AND ENGINEERING
THIAGARAJAR COLLEGE OF ENGINEERING.

MADURAI - 625 015

Dr. R. Leena Sri

SIGNATURE

Dr.R. Leena Sri, Mrs.A.M.Rajeswari,

M.E., Ph.D., M.E., (Ph.D.),

SUPERVISORS & ASSISTANT PROFESSORS
COMPUTER SCIENCE AND ENGINEERING

THIAGARAJAR COLLEGE OF ENGINEERING.

MADURAI - 625 015

Submitted for the VIVA VOCE Examination held at Thiagarajar College of

Engineering on 4-5-2018.....

Dr. S. P. Shalini
04/5/18
INTERNAL EXAMINER

Dr. S. P. Shalini
4/5/18
EXTERNAL EXAMINER

**THIAGARAJAR COLLEGE OF ENGINEERING
MADURAI-15**

(A Government Aided ISO 9001: 2008 Certified Autonomous Institution Affiliated to Anna University)



BONAFIDE CERTIFICATE

Certified that this project report "Dynamic Congestion Detection and Routing in MANET using Virtual Rate Based Scheduling Algorithm" is the bonafide work of **M.MAHA ADHITHIVAN(14C56), P.V.RAMESH(14C137)** who carried out the project work under my supervision during the Academic Year 2017 - 2018.

Sop. S. Ke
SIGNATURE

Dr.S.Mercy Shalinie, M.E., Ph.D.,
HEAD OF THE DEPARTMENT
COMPUTER SCIENCE & ENGG
THIAGARAJAR COLLEGE OF ENGG,
MADURAI-625 015.

P. Ramkumar
SIGNATURE

Dr.M.P.Ramkumar, M.E., Ph.D.,
SUPERVISOR & ASSISTANT PROFESSOR
COMPUTER SCIENCE & ENGG
THIAGARAJAR COLLEGE OF ENGG,
MADURAI-625 015.

Submitted for the VIVA VOCE Examination held at Thiagarajar College of
Engineering on 4.5.18

P. Ramkumar
INTERNAL EXAMINER

G. S. P. 4/5/18
EXTERNAL EXAMINER

**THIAGARAJAR COLLEGE OF ENGINEERING
MADURAI-15**

(A Government Aided ISO 9001: 2008 Certified Autonomous Institution Affiliated to Anna University)



BONAFIDE CERTIFICATE

Certified that this project report "PREDICTION OF SOLAR RADIATION USING MACHINE LEARNING TECHNIQUES" is the bonafide work of "DEEKSHANA V (14C18), DEVA DHARSHINI S (14C21), DHARSHINI C (14C23)" who carried out the project work under my supervision during the Academic Year 2017-2018.

S. S. Shalini
SIGNATURE

Dr. S. Mercy Shalini, M.E., Ph.D.,
HEAD OF THE DEPARTMENT
COMPUTER SCIENCE AND ENGINEERING
THIAGARAJAR COLLEGE OF ENGG.
MADURAI - 625 015

S. Sudha
SIGNATURE

Dr. S. Sudha, M.E., Ph.D.,
SUPERVISOR & ASSISTANT PROFESSOR
COMPUTER SCIENCE AND ENGINEERING
THIAGARAJAR COLLEGE OF ENGG.
MADURAI - 625 015

Submitted for the VIVA VOCE Examination held at Thiagarajar College of
Engineering on 04.02.18.

S. S. Shalini
INTERNAL EXAMINER

S. Sudha
EXTERNAL EXAMINER

THIAGARAJAR COLLEGE OF ENGINEERING
MADURAI-15

(A Government Aided ISO 9001: 2008 Certified Autonomous Institution Affiliated to Anna University)



BONAFIDE CERTIFICATE

Certified that this project report "Energy Efficient Routing based Opportunistic Model in Wireless Adhoc Network" is the bonafide work of ABISHNA M(14C03), DEEPA R(14C19) who carried out the project work under my supervision during the Academic Year 2017-2018.

S. S. Shalini
SIGNATURE

Dr. S. Mercy Shalinie, M.E., Ph.D.,
HEAD OF THE DEPARTMENT
COMPUTER SCIENCE AND ENGINEERING
THIAGARAJAR COLLEGE OF ENGG.
MADURAI – 625 015

Dr. C. Senthilkumar
SIGNATURE

Dr. C. Senthilkumar, M.E. Ph.D.,
ASSOCIATE PROFESSOR
COMPUTER SCIENCE AND ENGINEERING
THIAGARAJAR COLLEGE OF ENGG.
MADURAI – 625 015

Submitted for the VIVA VOCE Examination held at Thiagarajar College of
Engineering on 4.5.18.....

S. S. Shalini
INTERNAL EXAMINER

Dr. C. Senthilkumar
EXTERNAL EXAMINER

**THIAGARAJAR COLLEGE OF ENGINEERING
MADURAI-15**

(A Government Aided ISO 9001: 2008 Certified Autonomous Institution Affiliated to Anna University)



BONAFIDE CERTIFICATE

Certified that this project report "SERVICE COMPOSITION-APPLICATION DEVELOPMENT" is the bonafide work of "DINESH KUMAR K P (14C26), DINESH KUMAR G (14C26), GOWTHAM KRISHNA V (14C34) " who carried out the project work under my supervision during the Academic Year 2017-2018.

Dr. S. She
SIGNATURE

Dr.S.Mercy Shalinie, M.E., Ph.D.,
HEAD OF THE DEPARTMENT
COMPUTER SCIENCE AND ENGINEERING
THIAGARAJAR COLLEGE OF ENGG.
MADURAI - 625 015

C. Sridharan
SIGNATURE

Mr.C.Sridharan, M.E.,
ASSOCIATE PROFESSOR
COMPUTER SCIENCE AND ENGINEERING
THIAGARAJAR COLLEGE OF ENGG.
MADURAI - 625 015

Submitted for the VIVA VOCE Examination held at Thiagarajar College of
Engineering on 24.12.18

C. Sridharan
INTERNAL EXAMINER

Dr. S. She
EXTERNAL EXAMINER

THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI-15
(A Government Aided ISO 9001: 2008 Certified Autonomous Institution Affiliated to Anna University)



BONAFIDE CERTIFICATE

Certified that this project report "AN ENHANCED APPROACH FOR MINING HIGH UTILITY ITEMSETS" is the bonafide work of JAYAKUMAR A.S. (14C44) , KARTHIK S. (14C49) and MOHAMMED MALIK R. (14C132) who carried out the project work under my supervision during the Academic Year 2017-2018.

S. S. Shalini
SIGNATURE

Dr. S. Mercy Shalinie, M.E., Ph.D.,
HEAD OF THE DEPARTMENT,
COMPUTER SCIENCE & ENGINEERING,
THIAGARAJAR COLLEGE OF
ENGINEERING,
MADURAI-625 015.

B. Subalakshmi
SIGNATURE

Mrs. B. Subbulakshmi, M.E.,
SUPERVISOR & ASST. PROFESSOR,
COMPUTER SCIENCE & ENGINEERING,
THIAGARAJAR COLLEGE OF
ENGINEERING,
MADURAI-625015.

Submitted for the VIVA VOCE Examination held at Thiagarajar College of
Engineering on 4/5/18.....

B. Subalakshmi
INTERNAL EXAMINER

B. Subalakshmi
EXTERNAL EXAMINER

**THIAGARAJAR COLLEGE OF ENGINEERING
MADURAI-15**

(A Government Aided ISO 9001: 2008 Certified Autonomous Institution Affiliated to Anna University)



BONAFIDE CERTIFICATE

Certified that this project report "SOFTWARE EFFORT ESTIMATION USING GENETIC ALGORITHM" is the bonafide work of "KASINATHAN S (14C50) , SURYARAJA A (14C108) " who carried out the project work under my supervision during the Academic Year 2017-2018.

Dr. S. Shalini

SIGNATURE

Dr.S.Mercy Shalinie, M.E., Ph.D.,

HEAD OF THE DEPARTMENT

COMPUTER SCIENCE AND ENGINEERING

THIAGARAJAR COLLEGE OF ENGG.

MADURAI – 625 015

Mr. V. Vignaraj Ananth

SIGNATURE

Mr.V.Vignaraj Ananth, M.E., (Ph.D.),

ASSISTANT PROFESSOR

COMPUTER SCIENCE AND ENGINEERING

THIAGARAJAR COLLEGE OF ENGG.

MADURAI – 625 015

Submitted for the VIVA VOCE Examination held at Thiagarajar College of
Engineering on ...*4/5/18*...

Dr. S. Shalini
INTERNAL EXAMINER

Mr. V. Vignaraj Ananth
EXTERNAL EXAMINER

THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI-15
(A Government Aided ISO 9001: 2008 Certified Autonomous Institution Affiliated to Anna University)



BONAFIDE CERTIFICATE

Certified that this project report "Design and implementation of chatbot" is the bonafide work of " U.SATHEESH KUMAR (14C94) , M.SUHANATHAN(14C106) , A.S.THIYAGARAJAN(14C112) " who carried out the project work under my supervision during the Academic Year 2017-2018.


SIGNATURE

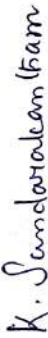
Dr. S. Mercy Shalinie, M.E., Ph.D.,

HEAD OF THE DEPARTMENT
COMPUTER SCIENCE AND ENGINEERING
THIAGARAJAR COLLEGE OF ENGG.
MADURAI – 625 015


SIGNATURE

Dr. K. Sundarakantham, M.E., Ph.D.,
SUPERVISOR AND ASSOCIATE PROFESSOR
COMPUTER SCIENCE AND ENGINEERING
THIAGARAJAR COLLEGE OF ENGG.
MADURAI – 625 015

Submitted for the VIVA VOCE Examination held at Thiagarajar College of
Engineering on ..4/5.1.2018..


INTERNAL EXAMINER


EXTERNAL EXAMINER

**THIAGARAJAR COLLEGE OF ENGINEERING
MADURAI-15**

(A Government Aided ISO 9001: 2008 Certified Autonomous Institution Affiliated to Anna University)



BONAFIDE CERTIFICATE

Certified that this project report "AN EFFICIENT PERFORMANCE EVALUATION OF EFFORT PREDICTION BASED ON PARTICLE SWARM OPTIMIZATION" is the bonafide work of "AKILA M (14CO4), DEEPIKA P (14C20), DIVYA L (14C27)" who carried out the project work under my supervision during the Academic Year 2017-2018.

S.P. Shalinie

SIGNATURE

Dr. S. Mercy Shalinie, M.E., Ph.D.,
HEAD OF THE DEPARTMENT
COMPUTER SCIENCE AND ENGINEERING
THIAGARAJAR COLLEGE OF ENGG.
MADURAI – 625 015

Vignaraj Ananth

SIGNATURE

Mr. V. Vignaraj Ananth, M.E., (Ph.D.),
SUPERVISOR & ASSISTANT PROFESSOR
COMPUTER SCIENCE AND ENGINEERING
THIAGARAJAR COLLEGE OF ENGG.
MADURAI – 625 015

Submitted for the VIVA VOCE Examination held at Thiagarajar College of
Engineering on .04.05.18...

Divya L
INTERNAL EXAMINER

P. S. P. G. S. R.
EXTERNAL EXAMINER

THIAGARAJAR COLLEGE OF ENGINEERING
MADURAI-15

(A Government Aided ISO 9001: 2008 Certified Autonomous Institution Affiliated to Anna University)



BONAFIDE CERTIFICATE

Certified that this project report "Attendance Management Using Face Recognition" is the bonafide work of " RAMARAJAPANDIAN K (14C85) , MUTHURAMAN M M (14C133) " who carried out the project work under my supervision during the Academic Year 2017-2018.

Sd/- She

SIGNATURE

Dr.S.Mercy Shalinie, M.E., Ph.D.,

HEAD OF THE DEPARTMENT

COMPUTER SCIENCE AND ENGINEERING

THIAGARAJAR COLLEGE OF ENGG.

MADURAI – 625 015

C Sridharan

SIGNATURE

Mr.C.Sridharan, M.E.,

SUPERVISOR & ASSOCIATE PROFESSOR

COMPUTER SCIENCE AND ENGINEERING

THIAGARAJAR COLLEGE OF ENGG.

MADURAI – 625 015

Submitted for the VIVA VOCE Examination held at Thiagarajar College of
Engineering on 04/05/18

C Sridharan

INTERNAL EXAMINER

Sd/-

EXTERNAL EXAMINER

**THIAGARAJAR COLLEGE OF ENGINEERING
MADURAI-15**

(A Government Aided ISO 9001: 2008 Certified Autonomous Institution Affiliated to Anna University)



BONAFIDE CERTIFICATE

Certified that this project report "REAL TIME STYLE TRANSFER USING CONVOLUTIONAL NEURAL NETWORK" is the bonafide work of "NIRANJANA S (14C70), NIVETHA K (14C73)" who carried out the project work under my supervision during the Academic Year 2017-2018.

S.P. Shalinie
SIGNATURE

Dr.S.Mercy Shalinie, M.E., Ph.D.,
HEAD OF THE DEPARTMENT

PROFESSOR
COMPUTER SCIENCE AND ENGINEERING

THIAGARAJAR COLLEGE OF ENGG.
MADURAI - 625 015

N. Shiva Kumar
SIGNATURE

N.SHIVA KUMAR.M.E.,Ph.D
SUPERVISOR & ASSISTANT

COMPUTER SCIENCE AND
ENGINEERING

THIAGARAJAR COLLEGE OF ENGG.
MADURAI - 625 015

Submitted for the VIVA VOCE Examination held at Thiagarajar College of
Engineering on 4/5/18.

[Signature]
INTERNAL EXAMINER

[Signature]
EXTERNAL EXAMINER

THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI-15
(A Government Aided ISO 9001 : 2000 Certified Autonomous Institute Affiliated to Anna University)



BONAFIDE CERTIFICATE

Certified that this project report "COMPARISON OF FACTOR BASED GROUP RECOMMENDER SYSTEMS" is the bonafide work of "MUTHU KRISHNA BALAJI N. (14C65), THIRUMALAI RAJA K. (14C111) who carried out the project work under my supervision during the Academic Year 2017-2018.

S. S. Shalinie
SIGNATURE

Dr. S. Mercy Shalinie, M.E., Ph.D.,
HEAD OF THE DEPARTMENT
COMPUTER SCIENCE AND
ENGINEERING
THIAGARAJAR COLLEGE OF ENGG.
MADURAI - 625 015

M. K. Kavitha Devi
SIGNATURE

Dr. M. K. Kavitha Devi, M.E., Ph.D.
SUPERVISOR & PROFESSOR
COMPUTER SCIENCE AND
ENGINEERING
THIAGARAJAR COLLEGE OF ENGG.
MADURAI - 625 015

Submitted for the VIVA VOCE Examination held at Thiagarajar College of
Engineering on 4-15-2018.

M. K. Kavitha Devi
INTERNAL EXAMINER

M. K. Kavitha Devi
EXTERNAL EXAMINER

THIAGARAJAR COLLEGE OF ENGINEERING
MADURAI-15

(A Government Aided ISO 9001: 2008 Certified Autonomous Institution Affiliated to Anna University)



BONAFIDE CERTIFICATE

Certified that this project report "Techniques for using unlabelled data for semi supervised feature selection" is the bonafide work of Shyam Sundar .M .K (14C102) and Baskar .B (14C124) who carried out the project work under my supervision during the Academic Year 2017 – 2018.

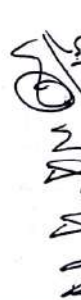

SIGNATURE

Dr. S. Mercy Shalinie, M.E., Ph.D.,
HEAD OF THE DEPARTMENT,
COMPUTERSCIENCE AND ENGINEERING,
THIAGARAJAR COLLEGE OF
ENGINEERING,
MADURAI- 625015.


SIGNATURE

Dr. M. K. Kavithadevi, M.E., Ph.D.,
SUPERVISOR AND PROFESSOR,
COMPUTERSCIENCE AND ENGINEERING,
THIAGARAJAR COLLEGE OF
ENGINEERING,
MADURAI- 625015.

Submitted for the VIVA VOCE Examination held at Thiagarajar College of
Engineering on 4.5.2018


INTERNAL EXAMINER


EXTERNAL EXAMINER

THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI - 15
(A Government Aided ISO 9001 : 2008 Certified Autonomous Institute Affiliated to Anna University)



BONAFIDE CERTIFICATE

Certified that this project report "ANDROID BASED SMART HOME AUTOMATION USING RASPBERRY PI" is the bonafide work of KARALMARX.E (14C47), BHARATHI.G (14C125), SUSHMITHA.K (14C142) who carried out the project work under my supervision during the Academic Year 2017-2018.

SIGNATURE 

SIGNATURE 

Dr. S. Mercy Shalinie, M.E., Ph.D.,
HEAD OF THE DEPARTMENT
COMPUTER SCIENCE & ENGINEERING
THIAGARAJAR COLLEGE OF
ENGINEERING
MADURAI - 625 015.

Dr. T. Manikandan, M.E., Ph.D.,
ASSISTANT PROFESSOR
COMPUTER SCIENCE & ENGINEERING
THIAGARAJAR COLLEGE OF
ENGINEERING
MADURAI - 625 015.

Submitted for the VIVA VOCE Examination held at Thiagarajar College of
Engineering on 4.5.18


INTERNAL EXAMINER


EXTERNAL EXAMINER

THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI - 15
(A Government Aided ISO 9001 : 2008 Certified Autonomous Institute Affiliated to Anna University)



BONAFIDE CERTIFICATE

Certified that this project report "Ant Colony Optimization for tackling Congestion on Wireless Ad Hoc Network" is the bonafide work of **PRAVEEN KUMAR.T (14C79), THANIGACHALAM.M (14C110), PRADHEEP KUMAR .A (14C135)** who carried out the project work under my supervision during the Academic Year 2017-2018.


SIGNATURE

Dr. S. Mercy Shalinie, M.E., Ph.D.,
HEAD OF THE DEPARTMENT
COMPUTER SCIENCE & ENGINEERING
THIAGARAJAR COLLEGE OF
ENGINEERING
MADURAI – 625 015.


SIGNATURE

Mr. K. Narasima Mallikarjunan, M.E.,
ASSISTANT PROFESSOR
COMPUTER SCIENCE & ENGINEERING
THIAGARAJAR COLLEGE OF
ENGINEERING
MADURAI – 625 015.

Submitted for the VIVA VOCE Examination held at Thiagarajar College of
Engineering on ..24.10.2018..


INTERNAL EXAMINER

I


EXTERNAL EXAMINER

THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI - 15
(A Government Aided ISO 9001 : 2008 certified Autonomous Institution Affiliated to Anna University)



BONAFIDE CERTIFICATE

Certified that this project report "GREEN CAMPUS WITH IOT" is the bonafide work of **GEORGE ANTONY JINO.J(14C30), JEEVANANTHAM.E(14C45), MEENAKSHI SUNDARAM.G(14C59)** who carried out the project work under my supervision during the Academic Year 2017-2018.

Sc. Sh
SIGNATURE

AB
SIGNATURE

Dr. S. Mercy Shalinie, M.E., Ph.D.,
HEAD OF THE DEPARTMENT
COMPUTER SCIENCE & ENGINEERING
THIAGARAJAR COLLEGE OF
ENGINEERING
MADURAI - 625 015.

Dr. G.S.R.Emil Selvan, M.E., Ph.D.,
ASSISTANT PROFESSOR
COMPUTER SCIENCE & ENGINEERING
THIAGARAJAR COLLEGE OF
ENGINEERING
MADURAI - 625 015.

Submitted for the VIVA VOCE Examination held at Thiagarajar College of
Engineering on *4/8/18*.....

[Signature]
INTERNAL EXAMINER

[Signature]
EXTERNAL EXAMINER

THIAGARAJAR COLLEGE OF ENGINEERING MADURAI-15

(A Government Aided ISO 9001: 2008 Certified Autonomous Institution Affiliated to Anna University)



BONAFIDE CERTIFICATE

Certified that this project report "Enhancing centralized patient appointment scheduling" is the bonafide work of "ALMAAS A (14C07), JANANI J (14C42), ROHINI M (14C138)" who carried out the project work under my supervision during the Academic Year 2017-2018.

Dr. S. Mercy

SIGNATURE

Dr.S.Mercy Shalinie, M.E., Ph.D.,

HEAD OF THE DEPARTMENT

COMPUTER SCIENCE AND ENGINEERING

THIAGARAJAR COLLEGE OF ENGG.

MADURAI – 625 015

R. Chellamani

SIGNATURE

R. Chellamani, M.Tech(CS),

SUPERVISOR & Assistant professor

COMPUTER SCIENCE AND ENGINEERING

THIAGARAJAR COLLEGE OF ENGG.

MADURAI – 625 015

Submitted for the VIVA VOCE Examination held at Thiagarajar College of

Engineering on ..04.05.18....

Dr. S. Mercy
INTERNAL EXAMINER

R. Chellamani
EXTERNAL EXAMINER

THIAGARAJAR COLLEGE OF ENGINEERING
MADURAI-15

(A Government Aided ISO 9001: 2008 Certified Autonomous Institution Affiliated to Anna University)



BONAFIDE CERTIFICATE

Certified that this project report "Accelerating Performance of the Mobile Application using C4.5 Classifier" is the bonafide work of TUWITTA KANGUMA (14C113), KAVITHA R (14C130), SRIDEVI R R (14C140) who carried out the project work under my supervision during the Academic Year 2017-2018.

Se. S. R.
SIGNATURE

Dr.S.Mercy Shalinie, M.E., Ph.D.,
HEAD OF THE DEPARTMENT
COMPUTER SCIENCE AND ENGINEERING
THIAGARAJAR COLLEGE OF ENG.
MADURAI – 625 015

A. S. R.
SIGNATURE

Mrs.A.Malini, M.E.,
SUPERVISOR & ASSOCIATE PROFESSOR
COMPUTER SCIENCE AND ENGINEERING
THIAGARAJAR COLLEGE OF ENG.
MADURAI – 625 015

Submitted for the VIVA VOCE Examination held at Thiagarajar College of
Engineering on ...4/5/18.

A. S. R.
INTERNAL EXAMINER

A. S. R.
EXTERNAL EXAMINER

THIAGARAJAR COLLEGE OF ENGINEERING MADURAI-15

(A Government Aided ISO 9001: 2008 Certified Autonomous Institution Affiliated to Anna University)



BONAFIDE CERTIFICATE

Certified that this project report "DATA DE-DUPLICATION USING SMART CUCKOO" is the bonafide work of "BAGYA SHREE C M (14C13), MADHU SHRI L (14C55), SONIYA M (14C139)" who carried out the project work under my supervision during the Academic Year 2017-2018.

SIGNATURE

Dr.S.Mercy Shalinie, M.E., Ph.D.,
HEAD OF THE DEPARTMENT
COMPUTER SCIENCE AND ENGINEERING
THIAGARAJAR COLLEGE OF ENGG.
MADURAI – 625 015

SIGNATURE

Mrs.J.Jane Rubel Angelina, M.E.,
SUPERVISOR & ASSISTANT PROFESSOR
COMPUTER SCIENCE AND ENGINEERING
THIAGARAJAR COLLEGE OF ENGG.
MADURAI – 625 015

Submitted for the VIVA VOCE Examination held at Thiagarajar College of
Engineering on 04/05/2018

INTERNAL EXAMINER
EXTERNAL EXAMINER

THIAGARAJAR COLLEGE OF ENGINEERING MADURAI-15

(A Government Aided ISO 9001: 2008 Certified Autonomous Institution Affiliated to Anna University)



BONAFIDE CERTIFICATE

Certified that this project report "Mobile Application for Smart TCE" is the bonafide work of "UMA DEVI B (14C115), VADIVARASI A (14C117)" who carried out the project work under my supervision during the Academic Year 2017-2018.

SIGNATURE

Dr.S.Mercy Shalinie, M.E., Ph.D.,
HEAD OF THE DEPARTMENT
COMPUTER SCIENCE AND ENGINEERING
THIAGARAJAR COLLEGE OF ENGG.
MADURAI – 625 015

SIGNATURE

Mrs.Raja Lavanya, M.E.,(Ph.D),
SUPERVISOR & ASSISTANT PROFESSOR
COMPUTER SCIENCE AND ENGINEERING
THIAGARAJAR COLLEGE OF ENGG.
MADURAI – 625 015

Submitted for the VIVA VOCE Examination held at Thiagarajar College of
Engineering on ...4.5.18...

INTERNAL EXAMINER
EXTERNAL EXAMINER

APRIL 2018

THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI - 15

(A Government Aided ISO 9001:2008 Certified Autonomous Institute Affiliated to Anna University)



BONAFIDE CERTIFICATE

Certified that this project report "Comparing Optimizers For Image Classification Using Convolutional Neural Network" is the bonafide work of SHARMILA.A (14C99), SWATHI.A (14C143) who carried out the project work under my supervision during the Academic Year 2017-2018.

SIGNATURE

Dr. S. Mercy Shalinie, M.E., Ph.D.,
HEAD OF THE DEPARTMENT
COMPUTER SCIENCE & ENGINEERING
THIAGARAJAR COLLEGE OF
ENGINEERING
MADURAI – 625 015.

SIGNATURE

Mr. M. Siva Kumar, M.E.,
ASSISTANT PROFESSOR
COMPUTER SCIENCE & ENGINEERING
THIAGARAJAR COLLEGE OF
ENGINEERING
MADURAI – 625 015.

Submitted for the VIVA VOCE Examination held at Thiagarajar College of
Engineering on .4.05.2018

INTERNAL EXAMINER
EXTERNAL EXAMINER



BONAFIDE CERTIFICATE

Certified that this project report “Capability based defence mechanism for DDoS mitigation in IoT” is the bonafide work of **DHINESH BABU.S (14C24)**, **SUTHARSON.M (14C109)**, **UDHAYA PRAKASH.C (14C114)** who carried out the project work under my supervision during the Academic Year 2017-2018.


SIGNATURE

Dr.S.Mercy Shalinie, M.E., Ph.D.,
HEAD OF THE DEPARTMENT
COMPUTER SCIENCE & ENGINEERING
THIAGARAJAR COLLEGE OF
ENGINEERING
MADURAI – 625 015.


SIGNATURE

Dr.M.Vijayalakshmi, M.E., Ph.D.,
ASSISTANT PROFESSOR
COMPUTER SCIENCE & ENGINEERING
THIAGARAJAR COLLEGE OF
ENGINEERING
MADURAI – 625 015.

Submitted for the VIVA VOCE Examination held at Thiagarajar College of
Engineering on ...9/5/18


INTERNAL EXAMINER


EXTERNAL EXAMINER

THIAGARAJAR COLLEGE OF ENGINEERING MADURAI-15

(A Government Aided ISO 9001: 2008 Certified Autonomous Institution Affiliated to Anna University)



BONAFIDE CERTIFICATE

Certified that this project report "Image Recognition Using Transfer Learning" is the bonafide work of "KARTHICKA S (14C48), DEEPIKA R (14C126), KIRUTHIKA S (14C131)" who carried out the project work under my supervision during the Academic Year 2017-2018.

SIGNATURE

Dr.S.Mercy Shalinie, M.E., Ph.D.,

HEAD OF THE DEPARTMENT

COMPUTER SCIENCE AND ENGINEERING

THIAGARAJAR COLLEGE OF ENGG.

MADURAI – 625 015

SIGNATURE

Mr.M.Sivakumar,M.E.,

SUPERVISOR & ASSISTANT PROFESSOR

COMPUTER SCIENCE AND ENGINEERING

THIAGARAJAR COLLEGE OF ENGG.

MADURAI – 625 015

Submitted for the VIVA VOCE Examination held at Thiagarajar College of
Engineering on ..4/1.5/2018..

INTERNAL EXAMINER

EXTERNAL EXAMINER

Aricent

Engineering the Future

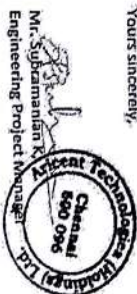
April 27, 2018

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Sanjay Kiran K R (Trainee No. 2005066) of Thiagarajar College of Engineering, Tamil Nadu is undergoing internship from December 21, 2017 to till date (April 27, 2018). As per the company policy the interns are in agreement with us not to disclose Project information to anyone other than the company officials.

We wish you all the best towards successful training with us.

Yours sincerely,



ASV Chandraiya Towers,
No. 263/3, B1 A1, Door No. 5/397
Rajiv Gandhi Salai (O.M.R.)
Oggayam Thiruvallur
Chennai - 600096, Tamil Nadu, India

T : 91 44 4422 5000
F : 91 44 4422 8100
E: info@aricent.com
Website: www.aricent.com

Aricent Technologies (Holdings) Ltd.
Registered Office: S. Jain Mandir Marg (Anwar)
Cannanught Place, New Delhi 110001, India
CIN #065930DL2006PLC149728
CAN #U72009DL2016PLC249728



ERICSSON

Reference:

Date: 2018-04-24

To Whomsoever It May Concern

This is to certify that **Ms. Priya M K** (Reg no. 14CB2, B.E.(CSE), Thiragarajar College of Engineering, has worked as an Project Intern with Ericsson India Global Services Private Limited from Dec 18, 2017 to Apr 24, 2018 in the project titled "Automated Function Testing in IMS Server" 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 from joining till date.

Thanking you,

For ERICSSON INDIA GLOBAL SERVICES PRIVATE LIMITED


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

Ericsson India Global Services Private Limited
Bengaluru World Technology Centre, Special Economic Zone,
9th Floor, A Block, Mahadevaraya, K.J. Somaiya Road,
Bengaluru 560018, Karnataka, INDIA
www.ericsson.com

CIN: U72300DL2010PTC04192
Tel: + 91 81 66770900/01

Registered Office
4th Floor, Datta House
18/17, W.E.A., Post Lane,
Kandla Road,
New Delhi 110 005 INDIA



Attending to this matter:
CE/CD/MA/EN/IT/Balamurugan

Date
2018-04-23

Reference
EQ/IEF-02

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. Lakshmi. B. B(ECE), Thiagarajar College of Engineering, is undergoing her internship with Ericsson India Global Services Private Limited since 3, Jan 2018. She has been sincere, and has shown very good learning and understanding abilities from joining till date.

Thanking you,

For ERICSSON INDIA GLOBAL SERVICES PVT.LTD.,

ISO 9001:2000



2004-SK1-AQ-3885

ISO 14001:2004

(T.BALAMURUGAN)

Head of Platform Components



2004-SK1-AE-2100

Ericsson India Global Services Private Limited

S.P. Infocity, Block C,

Plot No.60, MGR Salai, Kandanchavali,

Ponungal, Chennai - 600 096, India

www.ericsson.co.in / www.ericsson.com

Registered Office

4th Floor, Datta House

18/1, V.E.A., Poon Lane,

Kandla Bugh,

New Delhi 110 005 INDIA

Service Tax No.: TV6ST0044CE/18/002

TIN: 0691182715



25th April 2018

CERTIFICATE BY EXTERNAL GUIDE

This is to Certify that the project report entitled "**Software Based Data Plane Prototype**" submitted by **Sharanya K (14CG8)** to **Thiyagarajar College of Engineering** in partial fulfillment of the requirement for the award of the degree of **B.E (CSE)** is a record of bonafide work carried out by her 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 Road,
Tower C,
DLF Cyber Greens,
DLF City, Phase - III,
Gurgaon - 122 002,
Haryana, India.

Signature of External supervisor

Udaya

Regd. Office:
Alcatel-Lucent India Limited
(A Nokia Corporation Company)
202-205,
Tajsway House,
15 Tolsted Marg,
New Delhi - 110 001,
India
Corporate Identity Number:
U72200DL1932PLCA7870

Ramakrishnan R
Technical Manager

 nokia.com

© Nokia 2018

INTERNSHIP LETTER

Nithya G
No 5, Sivapuram, Near Bharathi Nagar Extension, Perumalpuram
Tirunelveli – 627007
TN
IND

Dear Nithya,

On behalf of Amazon Development Centre (India) Private Limited, a company incorporated under the laws of India, having its registered office at # 26/1, Brigade Gateway, World Trade Centre, 10th Floor, Dr. Rajkumar Road, Malleshwaram (W) Bangalore - 560 055, Karnataka India (hereinafter the "Company" or "Amazon India"), we are very pleased to issue this Internship Letter for the position of an Intern at Chennai, India.

Your Internship with the Company will be subject to your acceptance of this Internship Letter and the terms and conditions set forth hereinbelow on or before 10 business days in the manner provided for by the Company.

Upon your acceptance of this Internship Letter, the same shall form a valid and binding agreement between Amazon India and you, and you shall be bound by the terms and conditions stipulated herein below.

1. Date of Commencement

Your Internship with Amazon India will commence on **15-Jan-2018** and shall end as per the provisions contained in Section 12 herein below. The said duration of Internship shall hereinafter be referred to as the "Term".

2. Duties

2.1 You will be engaged in the position of **SDE Intern**. Your manager will advise you about your duties and responsibilities after your joining with us. You will be expected to perform your duties to the best of your ability at all times as per the responsibilities advised by your



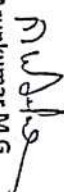
Zoho Corporation Private Limited

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

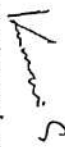
Dated : 17-Apr-2018

PROJECT COMPLETION CERTIFICATE

This is to certify that Mr/Ms. Vijayakumar S PT-1624/18 final year Computer Science of Thiagarajar College of Engineering has successfully completed his/her final year project titled Event Synchronization in Zoho Corporation Pvt Ltd, from 04-Dec-2017 to 17-Apr-2018. During the above period, his/her performance and conduct were found to be good.


Arunkumar M G
Project Manager




Kumari Ganeshmurthy
Senior Associate - HR



Date
2018-04-25

Reference
EG/IEF-06

Attending to this matter:
CI/EO/IR/ITM/S Raghavan

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. Biruntha.E, B.E(CSE), Thiagarajar College of Engineering, is undergoing her internship with Ericsson India Global Services Private Limited since 2nd January 2018.

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

ISO 9001:2000



2004-SKM-AQ-2005

ISO 14001:2004



2004-SKM-AE-2100

Thanking You,

(S. RAGHAVAN)

Manager

ERICSSON INDIA GLOBAL SERVICES PVT.LTD.,

Ericsson India Global Services Private Limited
S.P. Infocity, Block C,
Plot No.40, MGR Salai, Kandanchavadi,
Perungudi, Chennai - 600 096, India
www.ericsson.co.in / www.ericsson.com

Tel: + 91 44 24962000

Registered Office:

4th Floor, Dakha House:

18/17, W.E.A., Pusa Lane,

Karol Bagh,

New Delhi 110 005 INDIA

Service Tax No.: IV(16)ST/GGN-I/CE/18/2002
TIN: 06911822715



TALENT ACCURATE BONAFIDE CERTIFICATE

Certified that this project report **"HIRING THE CANDIDATES WITHOUT THE RESUME"** is the bonafide work of **NIROSHA K** who carried out the project work under my supervision during the Internship in our company.

Raja CSP Raman
Founder & CEO - TalentAccurate



ERICSSON

According to the subject:
CIVIL/NTFM/Rajesh Srinivasan

Date
2018-04-24

Reference
ECU/IF-03

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. Gokilavani R. B.(CSE), Thiagarajar College of Engineering, is undergoing her Internship with Ericsson India Global Services Private Limited since 3, Jan 2018.

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

Thanking you,

ESD 300121000



3004-ESDIA-Q-3005

ESD 140812004



3004-ESDIA-Q-3100

S. Rajesh

(RAJESH SRINIVASAN)
Manager
Ericsson India Global Services Pvt.Ltd.,

Ericsson India Global Services Private Limited

S.P. Madhavi, Block C,

7th Floor, NICE Road, Kumbakonam,

Tamil Nadu, India

Phone: 0435-2600000

Website: www.ericsson.com

Tel: +91 43 2600000

Regional Office

4th Floor, Datta House

18/17, V.V.S. Road, New

Madurai,

New Delhi 110 002 INDIA

Service Tax No: 19/057/0241/02/18/2001

TIN: 0681122715



Attending to this matter:
CE/EGUR/HFM/Rajesh Srinivasan

Date
2018-04-24

Reference
EGI/EF-03

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. Gokilavani R, B.E(CSE), Thiagarajar College of Engineering, is undergoing her Internship with Ericsson India Global Services Private Limited since 3, Jan 2018.

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

Thanking you,

ISO 9001:2000



2004-SKM-AQ-2005

ISO 14001:2004



2004-SKM-AE-2106

S. Rajesh

(RAJESH SRINIVASAN)

Manager

Ericsson India Global Services Pvt.Ltd.,

Ericsson India Global Services Private Limited

S.P. Infocity, Block C,

Plot No.40, MDR Salai, Kandanchavadi,

Perungudi, Chennai - 600 096, India

www.ericsson.com / www.ericsson.com

Tel: + 91 44 24962000

Registered Office

4th Floor, Dalha House

18/17, W.E.A., Poon Lane,

Karol Bagh,

New Delhi 110 005 INDIA

Service Tax No.: IV(16)ST/CGN-2/CE/18/2002

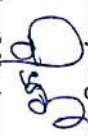
TIN: 04911822715



26-04-2018

BONAFIDE CERTIFICATE

This is to certify that the project report entitled "INTERLOCK TARGET TOOL" submitted by "ANESHA S (14C08)" to Thiagarajar College of Engineering, Madurai in partial fulfillment of the requirement for the award of the degree of Bachelor of Engineering in Computer Science and Engineering, is a record of bonafide for Industrial Internship undertaken by her under my supervision at International Business Machines Corporation, India. The training fulfils the requirements as per the regulations of this Institute and in my opinion meets the necessary standards for submission. The contents of this report have not been submitted and will not be submitted either in part or in full, for the award of any degree or diploma in this institute or any other institute or university.


Karthik Ananda

anandaka@in.ibm.com

Technical Advisor,

Application developer – Sales and Incentives,

Transformation and Operations,

IBM India PVT Ltd.,

Bangalore – 560 045.

Aricent

Date: April 27, 2018

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. SURIYANARAYANAN M.P (Trainee No. 2005072) of Thiagarajar College Of Engineering, Madurai is undergoing internship from December 21, 2017 to April 27, 2018. As per the company policy the Interns are in agreement with us not to disclose Project Information to anyone other than the company officials.

We wish you all the best towards successful training with us.

Yours sincerely,

P. Vivekanand Reddy
Vivek Anandareddy Pothireddy
Senior Engineering Project Manager
Aricent Technologies, Chennai



ASV Chandilya Towers
No. 263/3, B1 A1, Door No 5/397
Rajiv Gandhi Sala (OMR)
Ogglyam Thorapakkam
Chennai - 600096
Tamil Nadu, India

+91-44-4422 6000 Main
+91-44 4422 6100 Fax
info@aricent.com
www.aricent.com

Aricent Technologies (Holdings) Limited
Registered Office: 5, Jain Mandir Marg (Annexe)
Connaught Place, New Delhi 110001, India
CIN # U65993DL2006PLC149728

Engineering excellence. Sourced.
IV

CIN#U72100DL2006PLC149728

Bona-fide Certificate

To whom so ever it may concern

This is to certify that **Mr. S. Sreeram (Reg No 14C104)**, B.E (Computer Science and Engineering), Thiagarajar College of Engineering, has been working as a Project Intern with KHOSLA LABS PVT LTD., from Nov 23 2017. Till now his contribution to the project was commendable and his sincerity at work is much appreciated.

Thanking you,

For Khosla Labs Pvt Ltd

Droni Vasanth Babu

Vasanth Babu



Honeywell

POWER OF CONNECTED

Honeywell Technology Solutions Lab Pvt. Ltd
Plot No. 96 & 97, Begunahalli Village,
Bengaluru 72/2 & 72/5, Doddasaranahalli Village,
Bengaluru 560 103
Phone : +91 80 2658 3360
Fax : +91 80 2658 4750
No : U72200KA1994FTC016379
Email : Communication@honeywell.com
honeywell.com

BONAFIDE CERTIFICATE

This is to certify that the project report "Automating Project Management Information Systems and study the impact of agile practices within the firm using Data Visualization techniques" is the bonafide work of "S. Gogula Krishnan (14C31)" who carried out the project work under my supervision at Honeywell Technology Solutions Lab, Bangalore during the period 08 January 2018 to 20 April 2018.

For Honeywell Technology Solutions,

Manoj K.
Project Manager



Honeywell

Honeywell Technology Solutions Lab Pvt. Ltd.,
CIN: U72200KA1994FTC016379
Plot No.1, ELCOT - SEZ-IT/ITES Park, Ilandaikulam Ring Road,
Near Pandikoil, Karuppayurani Post, Madurai - 625 020, INDIA.
Tel: +91-452-248 8070 / 429 9000
Fax: +91-452-2487884
E-mail: india.communications@honeywell.com,
Website: www.honeywell.com/country/in/

5 April 2018

Balakrishnan M
EID: H279827

TO WHOMSOEVER IT MAY CONCERN

Subject - Partial Project Completion Certificate

This is to certify that **Balakrishnan M** is working with us as a **Project Trainee** at Elcot-Sez, Plot No.1, Ilandaikulam Ring Road, Near PandiKoil, Karuppayunrani Post, Madurai-625020, India in the project titled **Bot Framework Developement**

This project has been carried out as a partial fulfillment of his Degree Course. The Project shall be deemed as completed only at the end of the Internship period.

For any verification on the above details, please email HRHelp@honeywell.com

For Honeywell Technology Solutions,


Sumeet Pal

Human Resources Director

April 26, 2018

To Whom It May Concern

This is to certify that Ms. S. Mahalakshmi (University Reg. No - 14C57), B.E (Computer Science & Engineering), 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

ERICSSON

Attending to this matter
CT, JECIL & JHM, JS Raghavan

Date
2018-04-25

Reference
EGU/EF-07

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Vigneshwaran B, B.E(CSE), Thiagarajar College of Engineering, is undergoing his internship with Ericsson India Global Services Private Limited since 3rd January 2018.

He has been sincere, and has shown very good learning and understanding abilities from joining till date.

Thanking You,



(S. RAGHAVAN)

Manager

ERICSSON INDIA GLOBAL SERVICES PVT.LTD.,

ISO 9001:2008



2004-SCM-AQ-2005

ISO 14001:2004



2004-SKM-AE-2100

Ericsson India Global Services Private Limited
S.P. Infocore, Block C,
Plot No.40, MG Road, Kumbakonam,
Tirunelveli, Chennai - 600 096, India
www.ericsson.co.in

Tel: +91 44 24460000

Registered Office
4th Floor, Dabala House
18/17, W.E.A., Poon Lane,
Kumbakonam,
New Delhi 110 005 INDIA

Service Tax No.: TW1457KCN-KCT/12/2002
TIN: 0691122713



TALENT ACCURATE BONA FIDE CERTIFICATE

Certified that this project report "HIRING THE CANDIDATES
WITHOUT THE RESUME" is the bonafide work of PARTHIBAN M
who carried out the project work under my supervision during the Internship
in our company.

Raja CSP Raman
Raja CSP Raman
Founder & CEO - TalentAccurate

April 10, 2018

To Whomsoever It May Concern

Nachiappan Lakshmanan from Thiagarajar College of Engineering has been associated with Sirius as an Intern from 2 Jan 2018 to 30 Mar 2018.

During his internship, Nachiappan Lakshmanan has completed the below listed projects successfully.

1. LOGBOOK
2. E COMMERCE PRODUCT RECOMMENDATION SYSTEM

We wish him all the very best for his future endeavors!!

Thanks and Regards,

R. Shanmougaraj



Shanmougaraj Ramalingham
General Manager
Sirius Computer Solutions India Private Limited



Zoho Corporation Private Limited

Esurca IT Park, Plot No. 140, 151,
Valanchery Village, Chengalpatt Taluk,
Kanchiempuram District - 603 202 Tamilnadu.
Ph: +91-44-6744 7070, Fax: +91-44-2270 7172
www.zohocorp.com

Dated : 23-Apr-2018

PROJECT COMPLETION CERTIFICATE

This is to certify that Mr/Ms. Meenakshi Sundaram O L PT-1862/18 final year Computer Science Engineering of Thiagarajar College of Engineering has successfully completed his/her final year project titled MIXING OF VIDEO STREAMS THROUGH ARCHIVING in Zoho Corporation Pvt Ltd, from 03-Jan-2018 to 23-Apr-2018. During the above period, his/her performance and conduct were found to be Good.


Manimaran T

Project Manager




Amari Ganeshmurthy
Senior Associate - HR