



12th March, 2019

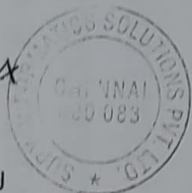
INTERNSHIP COMPLETION CERTIFICATE

This is to certify that Ms. S. Aishwarya Lakshmi (Reg. No. 311515104001), B.E (Computer Science Engineering), student of Meenakshi Sundararajan Engineering College - Chennai has successfully completed the internship on the platform of "Java", under the guidance of Ms. R. Sasikala from January 2019 to March 2019 in our company.

During the period, she had been exposed to different processes and found to be Punctual, Hard Working and Inquisitive. We wish her every success in life and career.

For Surya Informatics Solutions Pvt. Ltd.,

J. Jagadish



Jagadish J
Talent Acquisition

HRD - PL1-91/K/20-03

20th Mar 2019

To
The Principal
Meenakshi Sundararajan Engineering College
Kodambakkam, Chennai.

Dear Sir / Madam,

This is to confirm that **Akshaya E (Reg.No:311515104002)**, pursuing **B.E. Computer Science** from your college have completed internship from **2nd Jan 2019** to **20th Mar 2019** on Detection of suspicious behaviour in surveillance systems project with PreludeSys India Ltd. so as to fulfil the partial requirement for the academic course.

For PreludeSys India Ltd.



(Umamaheswari K)

Sr. Manager - Human Resources

PreludeSys India Limited
SIPCOT IT Park - Old No. D-12, New No. 3/A3, 1st Cross Street,
Siruseri, Chennai – 603 103. Ph: 91-44-67417600

CIN: U72300TN1998PLC041576

www.preludesys.com



भारतीय विमानपत्तन प्राधिकरण

AIRPORT AUTHORITY OF INDIA

AAI/CHITD/PROJECT TRG/2019

PROJECT COMPLETION CERTIFICATE

19-03-2019

TO WHOMSOEVER IT MAY CONCERN

This is to certify you that the project Titled “Wearables to monitor Pilot’s health conditions” has been developed by Ms. C S Archana, Ms. Sneha J and Ms. DN Vijith Niranjana, students of final year B.E.(CSE) of Meenakshi Sundararajan Engineering College, Chennai at Airport Authority of India During the period of 15-1-2019 to 18-3-2019. During their project period their conduct was good. This certificate is solely issued for academic purposes and does not imply any working experience at AAI.

CV SHAJI

General manager
(ATC)



United State
London, UK
India
Malaysia

Software | Health Care | Robotics | IOT | VLSI

To,
The Head of Department,
Computer Science and Engineering,
Meenakshi Sundararajan Engineering college,
Arcot Road, Kodambakkam, Chennai-600024.

Dear Madam,

Subject: Project Completion Letter

This is to certify that, **Ms.B.Harshitha (311515104006)**, **Ms.Sushmitha.K (311515104051)** from “**Meenakshi Sundararajan Engineering college**” Department of **Bachelor of Computer Science and Engineering (BE.CSE)** Final Year Student have completed their 3 Months of Internship with Project titled “**Unauthorised User Analysis using Machine Learning for Web Repository Results**” using (Domain: **Cloud Computing**) in our company “**Inspireo Tech**” for the duration period starting from **December 2018 to March 2019**. Their conduct was good during project period.



Cheers,

J. Venkatesan Prabu

Venkatesan Prabu.J

Head – Inspireo Tech
Microsoft Developer Guidance Advisory Web Council Team Member
Microsoft SQL Server MVP / Mind Cracker MVP
Website: <http://www.inspireotech.com/>
Contact: (0)7667668009

Date: March 25, 2019

TO WHOMSOEVER IT MAY CONCERN

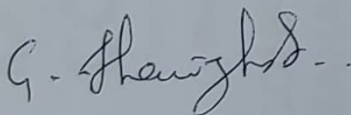
This is to certify that **Mr. Bhargavan B**, pursuing **B.E (Computer Science)** in **Meenakshi Sundararajan Engineering College** has successfully completed his internship on **“Location Identification for Non-Geo Tagged Tweets”** using Python, and related Technologies, under the organization guidance and support. His internship was for the period **December 2018 to March 2019**.

During the program, Mr. Bhargavan B, was very productive and completed all his assignments within the set timelines. He was enthusiastic to learn new skills and was able to communicate all his ideas effectively.

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

Warm Regards,

for **GAVS Technologies Pvt. Ltd.**



Thamizhselvan G
Lead Executive – Talent Management



Chola
Enter a better life



TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms.S.Gomathi, pursuing the course B.E(Computer Science and Engineering), from Meenakshi Sundararajan Engineering College, has successfully completed her Internship in our company during the period from December-20,2018 to March-6,2019 at Chennai.

During this period her commitment, involvement and conduct was good.

We wish Ms. S. Gomathi, a great success in her future endeavors.

For Cholamandalam Investment & Finance Company Ltd

Narendra Kumar N

ASSOCIATE VICE PRESIDENT - HR

Cholamandalam Investment and Finance Company Ltd.

House, 2, N.S.C. Bose Road, Parrys, Chennai 600001, India.

91.44.30007172 / Fax : 91.44.25346464

site : www.cholamandalam.com

- L65993TN1978PLC007576



murugappa

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms.K.Srinidhi, pursuing the course B.E(Computer Science and Engineering), from Meenakshi Sundararajan Engineering College, has successfully completed her Internship in our company during the period from December-20,2018 to March-6,2019 at Chennai.

During this period her commitment, involvement and conduct was good.

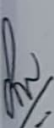
We wish Ms. K. Srinidhi, a great success in her future endeavors.

For Cholamandalam Investment & Finance Company Ltd



Narendra Kumar N

ASSOCIATE VICE PRESIDENT - HR





TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms.B. Thenmozhi, pursuing the course B.E(Computer Science and Engineering), from Meenakshi Sundararajan Engineering College, has successfully completed her Internship in our company during the period from December-20,2018 to March-6,2019 at Chennai.

During this period her commitment, involvement and conduct was good.

We wish Ms. B. Thenmozhi, a great success in her future endeavors.

For Cholamandalam Investment & Finance Company Ltd



Narendra Kumar N
ASSOCIATE VICE PRESIDENT - HR

Cholamandalam Investment and Finance Company Ltd.

House, 2, N.S.C. Bose Road, Parrys, Chennai 600001, India.
1.44.30007172 / Fax : 91.44.25346464
ite : www.cholamandalam.com
L65993TN1978PLC007576



murugappa

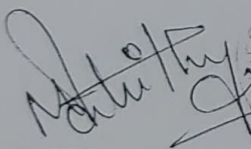
23rd March 2019


PROJECT COMPLETION CERTIFICATE

This is to certify that **Mr. Hari Krishnan (Reg. No. 311515104010)** a student of **B.E., (Computer Science and Engineering), Meenakshi Sundararajan Engineering College - Chennai** has successfully completed the project titled “ **Bargain based e-commerce using price promotion** ” in .NET Platform from **December 2018 to March 2019** in our company. During the period, he had been exposed to different processes and found to be Punctual, Hard Working and Inquisitive.

We wish him every success in life and career.

For **Shiash Info Solutions Private Limited**


Sahithya M



Sr. HR Executive

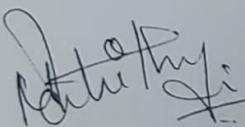
23rd March 2019

PROJECT COMPLETION CERTIFICATE

This is to certify that **Mr. Hari venkatesh (Reg. No. 311515104302)** a student of **B.E., (Computer Science and Engineering), Meenakshi Sundararajan Engineering College - Chennai** has successfully completed the project titled “**Bargain based e-commerce using price promotion**” in .NET Platform from **December 2018 to March 2019** in our company. During the period, he had been exposed to different processes and found to be Punctual, Hard Working and Inquisitive.

We wish him every success in life and career.

For **Shiash Info Solutions Private Limited**


Sahithya M



Sr. HR Executive

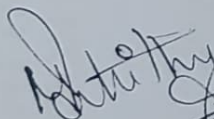
23rd March 2019

PROJECT COMPLETION CERTIFICATE

This is to certify that **Mr. Gautham (Reg. No. 311515104701)** a student of **B.E., (Computer Science and Engineering), Meenakshi Sundararajan Engineering College - Chennai** has successfully completed the project titled “**Bargain based e-commerce using price promotion**” in .NET Platform from **December 2018 to March 2019** in our company. During the period, he had been exposed to different processes and found to be Punctual, Hard Working and Inquisitive.

We wish him every success in life and career.

For **Shiash Info Solutions Private Limited**


Sahithya M



Sr. HR Executive

23rd March 2019

To Whomsoever It May Concern

This is to certify that **S .HEMASHREE** (Reg.No : 311515104011) B.E., (Computer Science and Engineering) final year, student of **Meenakshi Sundararajan Engineering College** has successfully completed her project titled on "**SCROLLABILITY DATA ANALYSIS ON DIGITAL CONTENT**" in our company from December-2018 to March-2019.

All necessary details were provided from our side for the establishment of this project. We have noticed that, during the period, she has shown keen interest in her assignments and was also regular in attendance.

Oriana Information Technologies LLP.,

Aswin

Authorised Signature

+91 44 66255663
info@orianainfotech.com
www.orianainfotech.com

23rd March 2019

To Whomsoever It May Concern

This is to certify that **K.PRATHIBA** (Reg.No : 311515104021) B.E., (Computer Science and Engineering) final year, student of **Meenakshi Sundararajan Engineering College** has successfully completed her project titled on "**SCROLLABILITY DATA ANALYSIS ON DIGITAL CONTENT**" in our company from December-2018 to March-2019.

All necessary details were provided from our side for the establishment of this project. We have noticed that, during the period, he has shown keen interest in his assignments and was also regular in attendance.

Oriana Information Technologies LLP.,

Aswin


Authorised Signature

+91 44 66255663
info@orianainfotech.com
www.orianainfotech.com

Oriana Information Technologies LLP.

51, First floor, Tower B, TEK Meadows, Sholinganallur, Chennai – 600 119.



x-value

Chennai
22/03/2019

To

Mrs. Monica Jenefer,
HOD, Computer Science and Engineering,
Meenakshi Sundararajan Engineering College,
Chennai.

Sub: Final Year Project Completion

This is to certify that **Ms.V.Indhumathi (311515104012)** studying IV year CSE in **Meenakshi Sundararajan Engineering College** has successfully completed her Final year Project titled **"Secure and practical authentication schemes to evade network attacks during file transfer"** in our Organization from 26th December 2018 to 12th March 2019.

For X-Value Technologies Pvt. Ltd,

RAVISANKARAN.K
MANAGER- OPERATIONS

X- Value Technologies Private Limited, 4th Floor, Apex Chamber, 20, Thiyagaraya Road, T.Nagar, Chennai – 600017. Phone: +91-44-48679669



Chennai
22/03/2019

To
Mrs. Monica Jenefer,
HOD, Computer Science and Engineering,
Meenakshi Sundararajan Engineering College,
Chennai.

Sub: Final Year Project Completion

This is to certify that **Ms.R.Preethi (311515104022)** studying IV year CSE in **Meenakshi Sundararajan Engineering College** has successfully completed her Final year Project titled **"Secure and practical authentication schemes to evade network attacks during file transfer"** in our Organization from 26th December 2018 to 12th March 2019.

For X-Value Technologies Pvt. Ltd,

RAVISANKARAN.K
MANAGER- OPERATIONS

X- Value Technologies Private Limited, 4th Floor, Apex Chamber, 20, Thiyagaraya Road, T.Nagar, Chennai – 600017. Phone: +91-44-48679669



Chennai
22/03/2019

To
Mrs. Monica Jenefer,
HOD, Computer Science and Engineering,
Meenakshi Sundararajan Engineering College,
Chennai.

Sub: Final Year Project Completion

This is to certify that **Ms.J.Raajashri (311515104026)** studying IV year CSE in **Meenakshi Sundararajan Engineering College** has successfully completed her Final year Project titled **"Secure and practical authentication schemes to evade network attacks during file transfer"** in our Organization from 26th December 2018 to 12th March 2019.

For X-Value Technologies Pvt. Ltd,

RAVISANKARAN.K
MANAGER- OPERATIONS

X- Value Technologies Private Limited, 4th Floor, Apex Chamber, 20, Thiyagaraya Road, T.Nagar, Chennai – 600017. Phone: +91-44-48679669

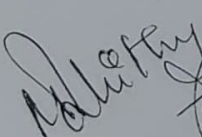
23rd March 2019

PROJECT COMPLETION CERTIFICATE

This is to certify that **Ms. P. Janani (Reg. No. 311515104013)** a student of **B.E., (Computer Science and Engineering), Meenakshi Sundararajan Engineering College - Chennai** has successfully completed the project titled “ **Improving Data Security through Block Chain**” in .NET Platform from **December 2018 to March 2019** in our company. During the period, she had been exposed to different processes and found to be Punctual, Hard Working and Inquisitive.

We wish her every success in life and career.

For **Shiash Info Solutions Private Limited**


Sahithya M



Sr. HR Executive

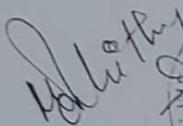
23rd March 2019

PROJECT COMPLETION CERTIFICATE

This is to certify that **Ms. M. Kamini (Reg. No. 311515104014)** a student of **B.E., (Computer Science and Engineering), Meenakshi Sundararajan Engineering College - Chennai** has successfully completed the project titled “**Improving Data Security through Block Chain**” in .NET Platform from **December 2018 to March 2019** in our company. During the period, she had been exposed to different processes and found to be Punctual, Hard Working and Inquisitive.

We wish her every success in life and career.

For **Shiash Info Solutions Private Limited**


Sahithya M



Sr. HR Executive

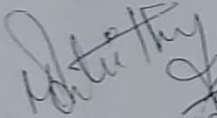
23rd March 2019

PROJECT COMPLETION CERTIFICATE

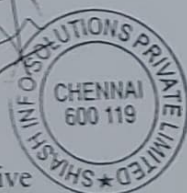
This is to certify that Ms. R. Sai Preethikaa (Reg. No. 311515104305) a student of B.E., (Computer Science and Engineering), Meenakshi Sundararajan Engineering College - Chennai has successfully completed the project titled "Improving Data Security through Block Chain" in .NET Platform from December 2018 to March 2019 in our company. During the period, she had been exposed to different processes and found to be Punctual, Hard Working and Inquisitive.

We wish her every success in life and career.

For Shia#sh Info Solutions Private Limited


Sahithya M

Sr. HR Executive



Shia#sh Info Solutions Private Limited

Level 1, Tower B, TEK Meadows, No. 51, Elcot Sez,
Sholinganallur, Chennai- 600 119, Tamilnadu, India.

☎ +91 44 66255681 ✉ info@shiash.com

www.shiash.com



INFOSOFT TECHNOLOGIES PVT LTD

22.03.2019

To

The Head of the Department,
Department of B.E. (Computer Science and Engineering),
Meenakshi Sundararajan Engineering College ,
Chennai.

Sub: Conceded the student of Meenakshi Sundararajan Engineering College ,.

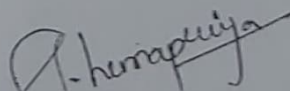
Respected Sir/Madam,

This is to certify Mr. R.MADAN KUMAR (Reg No: 311515104016),
Mr.M.SABARI KRISHNAN (Reg No: 311515104031),Mr. V.SURIYA (Reg No:
311515104050), completed his project "PRESERVING PRIVACY IN ONLINE
DATA PUBLISHING" under the Technology of "JAVA" at our concern under the
guidance of Mr.Manimaran, Senior Software Programmer from December 2018 to
March 2019.

Thanking you,

For A7 Infosoftware Technologies Pvt Ltd.,




MS.S.HEMAPRIYA
HR Manager

SAI BIKRIC INDUSTRIES

240/1 SIDCO INDUSTRIAL ESTATE, PATTRAVAKKAM, AMBATTUR, CHENNAI-98

GST No. : 33AFEPJ8723L1ZA

PHONE No. : 9840159640 Email : saibikricindustries@yahoo.in

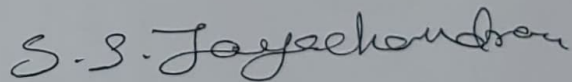
23.03.2019

Chennai

To Whomsoever It May Concern

This is to certify that **Ms.Manjula.T, Ms. Nikitha.M and Ms.Rashmika Calve** of B.E. Computer Science and Engineering Department- Meenakshi Sundararajan Engineering College, Chennai- 600024, have successfully completed their final year project "Design of Operations Management System in Supply Chain" in our industry from **January 2019 to March 2019**.

For SAI BIKRIC INDUSTRIES



S S JAYACHANDRAN

Director



ZOHO Corporation Private Limited

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

Dated : 19-Mar-19

PROJECT COMPLETION CERTIFICATE

This is to certify that Mr/Ms. **Neeraja P (PT-2622/19)**, B.E - CSE ,final year from **Meenakshi Sundararajan Engineering College** has successfully completed his/her final year project titled "Static Code Analysis and Taint Checking to Avert SQL Injection and Cross-Site Scripting" in **Zoho Corporation Private Limited**, from 19-Dec-18 to 08-Mar-19. During the above period his/her performance and conduct were found to be good.

Project Manager

Authorized Signatory

MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

#363, ARCOT ROAD, KODAMBAKKAM, CHENNAI-24

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Along with

MPL SUBASSEMBLIES PRIVATE LIMITED

MPL
SAPL

Certificate of Appreciation

This is to certify and appreciate the following

TEAM MEMBERS:

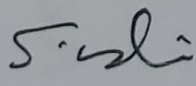
V.SREYAS
K.SUBRAMANIAN
M.NIKITHA
S.SANTHOSH

TEAM MENTORS:

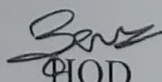
Dr. B. MONICA JENEFER
Mrs. S. AARTHI

for working in the Industry Interaction Project – “AN INTUITIVE STOCK
MANAGEMENT SYSTEM” during December 2018 to March 2019 for
MPL Subassemblies private limited, Maduravoyal, Chennai – 95.

During this period, he/she has displayed exemplary performance and work ethics.
This version of the project has been implemented in the company successfully
and has been well received.


DIRECTOR
(MPL)




HOD
(MSEC/CSE)




SECRETARY
(MSEC)

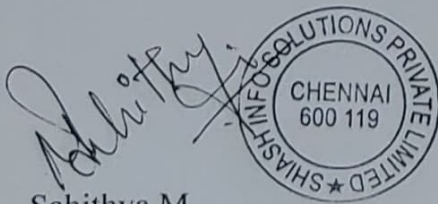
23rd March 2019

PROJECT COMPLETION CERTIFICATE

This is to certify that **Ms. K. Priyadharshini (Reg. No. 311515104025)** a student of **B.E., (Computer Science and Engineering), Meenakshi Sundararajan Engineering College - Chennai** has successfully completed the project titled “ **A unified approach for searching top-k routes using user's preferences** ” in **JAVA** Platform from **December 2018 to March 2019** in our company. During the period, she had been exposed to different processes and found to be Punctual, Hard Working and Inquisitive.

We wish her every success in life and career.

For **Shiash Info Solutions Private Limited**



Sahithya M

Sr. HR Executive


23rd March 2019

PROJECT COMPLETION CERTIFICATE

This is to certify that **Ms. S. Usha** (Reg. No. 311515104054) a student of **B.E., (Computer Science and Engineering), Meenakshi Sundararajan Engineering College - Chennai** has successfully completed the project titled “ **A unified approach for searching top-k routes using user's preferences** ” in **JAVA** Platform from **December 2018 to March 2019** in our company. During the period, she had been exposed to different processes and found to be Punctual, Hard Working and Inquisitive.

We wish her every success in life and career.

For **Shiash Info Solutions Private Limited**


Sahithya M



Sr. HR Executive

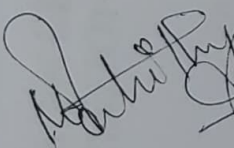
23rd March 2019

PROJECT COMPLETION CERTIFICATE

This is to certify that **Ms. N. Pavithra** (Reg. No. 311515104304) a student of **B.E., (Computer Science and Engineering)**, **Meenakshi Sundararajan Engineering College - Chennai** has successfully completed the project titled “ **A unified approach for searching top-k routes using user's preferences** ” in **JAVA** Platform from **December 2018 to March 2019** in our company. During the period, she had been exposed to different processes and found to be Punctual, Hard Working and Inquisitive.

We wish her every success in life and career.

For **Shiash Info Solutions Private Limited**


Sahithya M



Sr. HR Executive

FLUOROKRAFT PVT. LTD.

No. 273 & 274, 2nd Main Road, Nehru Nagar, Kottivakkam, Chennai - 600 096.

☎ : 091-44-24541067, Telefax : 091-44-24540850

E-mail : fluorokraft@gmail.com

CIN No. U24139 TN 2001 PTC 47265 / GSTIN : 33AAACF5575G1ZQ

To

25-03-2019

The Head of the Department,

Department of B.E (CSE),

Meenakshi Sundararajan Engineering College,

Chennai,

Respected Sir/Madam,

This is to certify Mr. Rajendra Prasad Dhakal (311515104027), Mr. Sanjaay Kishore S(311515104033), Mr. Satya Shrikar P (311515104037) completed their project on "SECURE PERFORMANCE ANALYSIS FOR PRODUCT MANAGEMENT SYSTEM" at our concern under the guidance of Mrs. Padma from January 2019 to March 2019.

Thanking you,



For FluoroKraft Pvt Ltd,

A handwritten signature in black ink, appearing to be "A. S. S.", written over a horizontal line.

Manager



ZA CREATORS TECHNOLOGY PVT LTD
WHERE CREATIVITY MEETS TECHNOLOGY

58/1, Manthoppu 1st street, Five Furlong Road,
Maduvankarai, Guindy - 32,
Tamil Nadu, India.

E-Mail Id : info@creatorstechnology.com

Phone : 044 4857 5428

Internship letter

,
e Head of Department
mputer Science and Engineering
eenakshi Sundararajan Engineering College,
cot Road, Kodambakkam, Chennai - 600 024

ear Madam,

bject : Project Completion Letter

is is to certify that Ms.N.Sharmila(311515104039) and Ms.M.P.Swetha(311515104052) from "Meenakshi
ndararajan Engineering College" Department of Computer Science and Engineering have completed
ir project internship with the project titled "Desisting fake votes in an election system " in our company
A Creators Technology" for the duration period of January 2019 to February 2019. Their conduct was
od during the project period.

Sincerely,
ZA CREATORS TECHNOLOGY PVT. LTD.

anth Dhanasekaran,
aging Director

Director

COLLEGE PROJECT COMPLETION LETTER

To whomsoever It may concern

Date: 19-Mar-2019

Subject: Completion of college project under the technical guidance of Juwairiya.

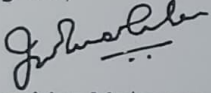
Respected Sir/Madam,

The below mentioned students of the Department of Computer Science and Engineering from Meenakshi Sundararajan Engineering College, Kodambakkam, Chennai, have completed the final year technical project under my guidance.

- B. Sri Upanya - 311515104045
- V. Uthra - 311515104055

The technical project 'Performance Monitoring System for Virtual Machines' was successful completed in a period of 3 months (from Dec 15, 2018 to Mar 15, 2019).

Regards,



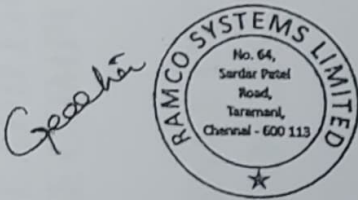
Juwairiya Mohammed Rasheed,
Associate General Manager,
HCL Technologies Ltd.,
8, South Phase MTH Road, Sidco Industrial Estate,
Ambattur, Chennai, Tamil Nadu 600058



CERTIFICATE

This is to certify that Ms. M Vaishnavi (311515104056) B.E.(CSE) Engineering student of Meenakshi Sundararajan Engineering College Chennai has successfully done her project on "An Extensible Framework For E-retail On Customer Recommendation And Bargaining For Product Modification" at Ramco Systems Chennai -113 from 02.01.2019 to 25.03.2019.

We appreciate the keen interest she has evinced and the efforts taken to do this project.



Geetha S
Human Resources

Corporate Headquarters: 64, Sardar Patel Road, Taramani, Chennai 600 113, India |
Tel: +91 44 2235 4510 / 6653 4000, Fax: +91 44 2235 2884 | CIN : L72300TN1997PLC037550 |
Registered Office: 47, P.S.K. Nagar, Rajapalayam 626 108, India

Global Office: India | Singapore | Malaysia | China | Hong Kong | Philippines | Australia | Dubai | USA | Canada |
United Kingdom | Germany | Switzerland | South Africa | Sudan
www.ramco.com

NTT DATA Global Delivery Services Private Limited

CIN U74899DL1989PTC093534
10TH Floor, Block-5, Dlf It Sez Park,
1/124, Mount Poonamallee Road,
Manapakkam, Chennai - 600089,
PH: 044-39850000/04466562100
www.nttdata.com/americas

NTT DATA
Services

March 5, 2019

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Vishnu Priya Swaminathan** was on internship with **NTT DATA Global Delivery Services Private Limited** at our **Chennai** office from **December 19, 2018** to **February 28, 2019**.

During this period, she has been associated to the following:

Technologies:

Java J2EE

Skill Sets:

Java Programming, Story Board Writing, SQL queries & Procedures

Assignments:

- Developed search module, Data retrieval through dynamic queries
- Enabled data sync option between the Source system & Transaction system
- Creation of Social Networking Site
- Data analysis based on inputs and recommend related useful sites/ADs to the members

Yours Sincerely,

For NTT DATA Global Delivery Services Private Limited



CHAMPA M N
SENIOR MANAGER-HUMAN CAPITAL OPERATIONS

CIN: U74899KA1989PTC106577 / Phone: +91.80.26659482 / www.nttdata.com/americas

Regd. Office: **NTT DATA Global Delivery Services Private Limited, No. 18 & 18/1, South End Road, Basavanagudi, Bangalore-560004**



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CIN : U80901TN2012PTC085917

Date: 18/03/2019

COMPLETION CERTIFICATE

This is to certify that **Mr. P. AAKASH CHANDAR (311515106001), Mr. M. RAGHURAMAN (311515106074), Mr. S. ROGER DANIEL (311515106078)** who is pursuing final year **B.E – (ELECTRONICS AND COMMUNICATION ENGINEERING)** at **MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE- Kodambakkam** has successfully completed their Final Year project with duration from **DECEMBER 2018** to **APRIL 2019** in our concern under the domain of **DIGITAL IMAGE PROCESSING**.

PROJECT TITLE: CLASSIFICATION OF SKIN LESION USING PATTERN FEATURES WITH RNN.



For Pantech Pro Ed Pvt Ltd.....,

Authorized Signatory.

Pantech ProEd Private Ltd

26, II Floor, Kota Sreenivasaya Chariteis, Ramanuja Kudam Building, Duraisamy Road, Canara Bank Upstairs, T.Nagar, Chennai - 600017.

Phone : 044 - 42606450 / 6470, E-mail: chennai@pantechmail.com, www.pantechproed.com

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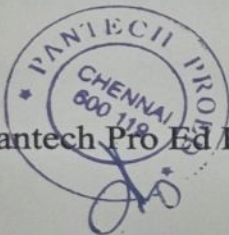
CIN : U80901TN2012PTC085917

Date: 18/03/2019

COMPLETION CERTIFICATE

This is to certify that **Mr. AJAY RAJENDRAN .R.M (311515106004), Mr. SHARUN SHAJI (311515106040), Mr. JAGANNATH .K (311515106029),** who is pursuing final year **B.E – (ELECTRONICS AND COMMUNICATION ENGINEERING)** at **MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE- Kodambakkam** has successfully completed their Final Year project with duration from **DECEMBER 2018** to **APRIL 2019** in our concern under the domain of **COMMUNICATION**.

PROJECT TITLE: OPTIMAL COOPERATIVE DATA TRANSMISSION OVER OFDM CHANNEL ESTIMATION ON LTE-A BASED NETWORK.



For Pantech Pro Ed Pvt Ltd.....,

Authorized Signatory.

Pantech ProEd Private Ltd

26, II Floor, Kota Sreenivasaya Chariteis, Ramanuja Kudam Building, Duraisamy Road, Canara Bank Upstairs, T.Nagar, Chennai - 600017.
Phone : 044 - 42606450 / 6470, E-mail: chennai@pantechmail.com, www.pantechproed.com
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CIN : U80901TN2012PTC085917

Date: 18/03/2019

COMPLETION CERTIFICATE

This is to certify that **Ms. K. AKSHAYA (311515106005), Ms. K. NIKITHA (311515106061), Ms. S. SWETHA (311515106106)** who is pursuing final year **B.E – (ELECTRONICS AND COMMUNICATION ENGINEERING)** at **MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE- Kodambakkam** has successfully completed their Final Year project with duration from **DECEMBER 2018** to **APRIL 2019** in our concern under the domain of **DIGITAL IMAGE PROCESSING**.

PROJECT TITLE: MULTIMODAL MEDICAL IMAGE FUSION AND SEGMENTATION.



For Pantech Pro Ed Pvt Ltd.....,

Authorized Signatory.

Pantech ProEd Private Ltd

26, II Floor, Kota Sreenivasaya Chariteis, Ramanuja Kudam Building, Duraisamy Road, Canara Bank Upstairs, T.Nagar, Chennai - 600017.

Phone : 044 - 42606450 / 6470, E-mail: chennai@pantechmail.com, www.pantechproed.com

Tamilnadu | Maharashtra | Telangana | Andhra Pradesh | Kerala

Date: 15/03/2019

COMPLETION CERTIFICATE

This is to certify that **Ms. ANITHA RAJESH KUMAR (311515106008), Ms. DEEPA RAGUNATHAN (311515106019), Ms. KAVYA DHANDAPANI (311515106037)** who is pursuing final year **B.E – (ELECTRONICS AND COMMUNICATION ENGINEERING)** at **MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE- Kodambakkam** has successfully completed their Final Year project with duration from **DECEMBER 2018** to **APRIL 2019** in our concern under the domain of **EMBEDDED SYSTEMS**.

PROJECT TITLE: AUTOMATIC NODEMCU BASED WASTE SEGREGATION



For Pantech Pro Ed Pvt Ltd.....,

Authorized Signatory.

Pantech ProEd Private Ltd

26, II Floor, Kota Sreenivasaya Chariteis, Ramanuja Kudam Building, Duraisamy Road, Canara Bank Upstairs, T.Nagar, Chennai - 600017.

Phone : 044 - 42606450 / 6470, E-mail: chennai@pantechmail.com, www.pantechproed.com

Tamilnadu | Maharashtra | Telangana | Andra Pradesh | Kerala

Date: 18/03/2019

COMPLETION CERTIFICATE

This is to certify that **Ms. G. APARNA (311515106009), Ms. S. MAHALAKSHMI (311515106047), Ms. R. MEENAA (311515106052)** who is pursuing final year **B.E – (ELECTRONICS AND COMMUNICATION ENGINEERING)** at **MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE- Kodambakkam** has successfully completed their Final Year project with duration from **DECEMBER 2018 to APRIL 2019** in our concern under the domain of **DIGITAL IMAGE PROCESSING.**

PROJECT TITLE: PALM DORSAL VEIN PATTERN BASED RECOGNITION SYSTEM USING CONVOLUTION NEURAL NETWORK.

For Pantech Pro Ed Pvt Ltd.....,

Authorized Signatory.



Pantech ProEd Private Ltd

26, II Floor, Kota Sreenivasaya Chariteis, Ramanuja Kudam Building, Duraisamy Road, Canara Bank Upstairs, T.Nagar, Chennai - 600017.
Phone : 044 - 42606450 / 6470, E-mail: chennai@pantechmail.com, www.pantechproed.com
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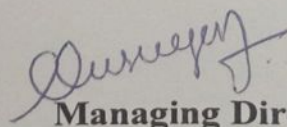
Lets begin...

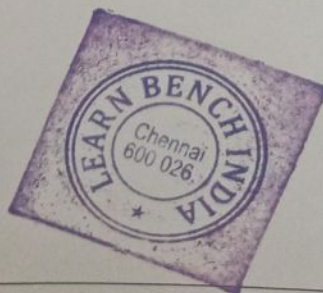
PROJECT COMPLETION LETTER

This is to certify that ASHIKHA.S (Reg No: 311515106012), S.KEERTHANA (Reg No: 311515106038), M.PAVITHRA (Reg No: 311515106069) B.E student of, MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE-Kodambakkam, has successfully completed their Project work on "LDPC DESIGN FOR SDR USING VERILOG PROGRAMMING FOR ISC'S " at our organization during the period December 2018 to April 2019 and she has finish her project successfully and to our satisfaction.

Her Character and conduct during the above period were good.

For Learn Bench India Pvt Ltd


Managing Director



NO.73, South Sivan Kovil Street, Vadapalani, Chennai - 600 026

044 - 420 488 74, 9382 94 84 74

www.lbenchindia.com | info@lbenchindia.com



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23.03.2019

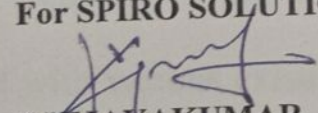
To Whomsoever It May Concern

This is to certify that Ms.S.SOWMIYA(Reg No: 311515106099), Ms.S.V.SINDHU(Reg No: 311515106098), Ms.R.ASSWINI(Reg No: 311515106013) students of final year, B.E, (Electronics and Communication Engineering) of "MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE" had completed their major project with great success at our concern, in the title "AN EFFICIENT VLSI ARCHITECHTURE FOR IMAGE COMPRESSION USING 3D-DWT LIFTING SCHEME" from DECEMBER 2018 TO MARCH 2019.

Their project is found to be relevant regarding their stream and they had submitted a copy of the project report to us. During their Project period we found their sincere & hard working & possessing a good behaviour and a moral character.

We wish their grand success in future endeavours.

For SPIRO SOLUTIONS PVT LTD,


K.VIJAYAKUMAR
MANAGER - HR & ADMIN




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राजीव गांधी स्मारक दूरसंचार प्रशिक्षण केन्द्र

RAJIV GANDHI MEMORIAL TELECOM TRAINING CENTRE

तमिलनाडु परिमंडल / TAMILNADU CIRCLE, चेन्नै / CHENNAI-600 016.

प्रमाण पत्र / CERTIFICATE

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 को सफलतापूर्वक पूरा किया है।

This is to certify that Mr/Mrs.

AZHAGESWARI T, B.E (ECE)

studying/working in

MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

, KODAMBAKKAM, CH-24

has successfully

completed Internship / Project on 'IMPLEMENTATION OF TRAFFIC ENGINEERING IN MPLS NETWORK USING RSVP AND LOAD

BALANCING'

during the period

JAN-19 TO MAR-19

His/Her performance during the period is Excellent

स्थान / Place : चेन्नै / Chennai -16

तारीख / Date : 19-03-2019

प्रधानाचार्य / Principal

आरजीएम टीटीसी. चेन्नै - 16

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तमिलनाडु परिसंङल / TAMILNADU CIRCLE, चेन्नै / CHENNAI-600 016.

प्रमाण पत्र / CERTIFICATE

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में अध्ययन कर रहे/रही हैं, कार्यरत हैं की अवधि के दौरान,
को सफलतापूर्वक पूरा किया है। अवधि के दौरान उनकी कार्यक्षमता है।

This is to certify that Mr/Mrs.

KRITHIKA A, B.E (ECE)

studying/working in

MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

, KODAMBAKKAM, CH-24

has successfully

completed Internship / Project on 'IMPLEMENTATION OF TRAFFIC ENGINEERING IN MPLS NETWORK USING RSVP AND LOAD

BALANCING'

during the period JAN-19 TO MAR-19

His/Her performance during the period is Excellent

(Signature)

स्थान / Place : चेन्नै / Chennai -16

तारीख / Date : 19-03-2019

प्रधानाचार्य / Principal
आरजीएम टीटीसी, चेन्नै - 16
RGM TTC, Chennai - 16.


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प्रमाण पत्र / CERTIFICATE

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को सफलतापूर्वक पूरा किया है। अवधि के दौरान उनकी कार्यक्षमता है।

This is to certify that Mr/Mrs.

UMAPUJITHA S, B.E (ECE)

studying/working in

MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

, KODAMBAKKAM, CH-24

has successfully

completed Internship / Project on 'IMPLEMENTATION OF TRAFFIC ENGINEERING IN MPLS NETWORK USING RSVP AND LOAD

BALANCING'

 during the period **JAN-19 TO MAR-19**

 His/Her performance during the period is **Excellent**

स्थान / Place : चेन्नै / Chennai - 16

 तारीख / Date : **19-03-2019**

प्रधानाचार्य / Principal
आरजीएम टीटीसी. चेन्नै - 16
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CIN : U80901TN2012PTC085917

ABSTRACT

Date: 18/03/2019

COMPLETION CERTIFICATE

This is to certify that Ms. D.JAYASREE (311515106032), Ms. B. LAKSHMI (311515106043), Ms. S. BHARGAVI (311515106016) who is pursuing final year B.E – (ELECTRONICS AND COMMUNICATION ENGINEERING) at MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE- Kodambakkam has successfully completed their Final Year project with duration from DECEMBER 2018 to APRIL 2019 in our concern under the domain of ANTENNA.

PROJECT TITLE: RECONFIGURABLE ANTENNA FOR WIRELESS APPLICATIONS.

For Pantech Pro Ed Pvt Ltd....,



Authorized Signatory.

Pantech ProEd Private Ltd

26, II Floor, Kota Sreenivasaya Chariteis, Ramanuja Kudam Building, Duraisamy Road, Canara Bank Upstairs, T.Nagar, Chennai - 600017.

Phone : 044 - 42606450 / 6470, E-mail: chennai@pantechmail.com, www.pantechproed.com

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BHARAT SANCHAR NIGAM LIMITED

(भारत सरकार का उद्यम / A Govt. of India Enterprise)

राजीव गांधी स्मारक दूरसंचार प्रशिक्षण केन्द्र
RAJIV GANDHI MEMORIAL TELECOM TRAINING CENTRE
तमिलनाडु परिमंडल / TAMILNADU CIRCLE, चेन्नै / CHENNAI-600 016.

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में अध्ययन कर रहे/रही हैं, कार्यरत हैं की अवधि के दौरान,
को सफलतापूर्वक पूरा किया है। अवधि के दौरान उनकी कार्यक्षमता है।

This is to certify that Mr/Mrs.

M.DEEPIKA, B.E (ECE)

studying/working in

MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

, Kodambakkam, Chennai-60004

has successfully

completed Internship / Project on 'LI-FI ASSISTED INDOOR WIRELESS TRACKING FOR SMART BUILDING'

during the period JAN2019-MAR2019

His/Her performance during the period is Excellent

स्थान / Place : चेन्नै / Chennai -16

तारीख / Date : 19-03-2019

प्रधानाचार्य / Principal
आरजीएम टीटीसी. चेन्नै - 16
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प्रमाण पत्र / CERTIFICATE

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को सफलतापूर्वक पूरा किया है। अवधि के दौरान उनकी कार्यक्षमता है।

This is to certify that Mr/Mrs.

M. NIVEDHITHA, B.E (ECE)

studying/working in

MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

, Kodambakkam, Chennai-600044

has successfully

completed Internship / Project on 'LI-FI ASSISTED INDOOR WIRELESS TRACKING FOR SMART BUILDING'

during the period JAN2019-MAR2019

His/Her performance during the period is

Excellent

स्थान / Place : चेन्नै / Chennai -16

तारीख / Date : 19-03-2019

प्रधानाचार्य / Principal
आरजीएम टीटीसी, चेन्नै - 16
RGM TTC, Chennai - 16.

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राजीव गांधी स्मारक दूरसंचार प्रशिक्षण केन्द्र
RAJIV GANDHI MEMORIAL TELECOM TRAINING CENTRE
तमिलनाडु परिसंजल / TAMILNADU CIRCLE, चेन्नै / CHENNAI-600 016.**प्रमाण पत्र / CERTIFICATE**

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 में अध्ययन कर रहे/रही हैं, कार्यरत हैं की अवधि के दौरान,
 को सफलतापूर्वक पूरा किया है। अवधि के दौरान उनकी कार्यक्षमता है।

This is to certify that Mr/Mrs.

D.VAISHNAVI, B.E (ECE)

studying/working in

MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

, Kodambakkam, Chennai-600024

has successfully

completed Internship / Project on 'LI-FI ASSISTED INDOOR WIRELESS TRACKING FOR SMART BUILDING'

during the period **JAN2019-MAR2019**His/Her performance during the period is **Excellent**

स्थान / Place : चेन्नै / Chennai -16

तारीख / Date : **19-03-2019**

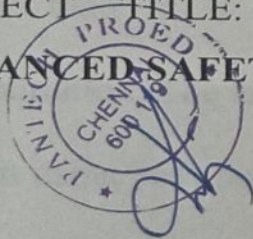
प्रधानाचार्य / Principal
 आरजीएम टीटीसी. चेन्नै - 16
 RGM TTC, Chennai - 16.

Date: 18/03/2019

COMPLETION CERTIFICATE

This is to certify that **Mr. E.MARIA JEBA ROHITH (311515106049), Mr. S. DINESH (311515106022), Mr. S. VIGNESH (311515106115)** who is pursuing final year **B.E – (ELECTRONICS AND COMMUNICATION ENGINEERING)** at **MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE- Kodambakkam** has successfully completed their Final Year project with duration from **DECEMBER 2018** to **APRIL 2019** in our concern under the domain of **EMBEDDED SYSTEMS**.

PROJECT TITLE: **AUTOMATIC VEHICLE NAVIGATION WITH ENHANCED SAFETY FEATURES.**



For Pantech Pro Ed Pvt Ltd....,

Authorized Signatory.

Pantech ProEd Private Ltd

26, II Floor, Kota Sreenivasaya Chariteis, Ramanuja Kudam Building, Duraisamy Road, Canara Bank Upstairs, T.Nagar, Chennai - 600017.

Phone : 044 - 42606450 / 6470, E-mail: chennai@pantechmail.com, www.pantechproed.com

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CIN : U80901TN2012PTC085917

Date: 18/03/2019

COMPLETION CERTIFICATE

This is to certify that Ms. K. DIVYA (311515106023), Ms. R. NAVEENA (311515106058), Ms. G. SAKTHI PRIYA (311515106084) who is pursuing final year B.E – (ELECTRONICS AND COMMUNICATION ENGINEERING) at MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE-Kodambakkam has successfully completed their Final Year project with duration from DECEMBER 2018 to APRIL 2019 in our concern under the domain of DIGITAL IMAGE PROCESSING.

PROJECT TITLE: MULTI LEVEL IMAGE REPRESENTATION FOR LARGE SCALE IMAGE BASED INSTANCE RETRIEVAL.

For Pantech Pro Ed Pvt Ltd....,



Authorized Signatory.

Pantech ProEd Private Ltd

26, II Floor, Kota Sreenivasaya Chariteis, Ramanuja Kudam Building, Duraisamy Road, Canara Bank Upstairs, T.Nagar, Chennai - 600017.

Phone : 044 - 42606450 / 6470, E-mail: chennai@pantechmail.com, www.pantechproed.com


Tamilnadu | Maharashtra | Telangana | Andra Pradesh | Kerala

Date: 18/03/2019

COMPLETION CERTIFICATE

This is to certify that **Ms. R.SANGEETHA(311515106085), Ms. R. DIVYA (311515106025), Ms. JANE JULIANA .A.B (311515106030)** who is pursuing final year **B.E – (ELECTRONICS AND COMMUNICATION ENGINEERING)** at **MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE- Kodambakkam** has successfully completed their Final Year project with duration from **DECEMBER 2018** to **APRIL 2019** in our concern under the domain of **DIGITAL SIGNAL PROCESSING**.

PROJECT TITLE: ROBUST AUDIO STEGANOGRAPHY ENHANCED WITH SPY ANALYSIS FOR UNASSAILABLE DATA TRANSMISSION.



For Pantech Pro Ed Pvt Ltd.....,

Authorized Signatory.

Pantech ProEd Private Ltd

26, II Floor, Kota Sreenivasaya Chariteis, Ramanuja Kudam Building, Duraisamy Road, Canara Bank Upstairs, T.Nagar, Chennai - 600017.

Phone : 044 - 42606450 / 6470, E-mail: chennai@pantechmail.com, www.pantechproed.com

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CIN : U80901TN2012PTC085917

Date: 18/03/2019

COMPLETION CERTIFICATE

This is to certify that **Mr.GANESH KUMAARR.S (311515106026), Mr. KAMAKSHI KUMAR .A.V (311515106033)**, who is pursuing final year **B.E – (ELECTRONICS AND COMMUNICATION ENGINEERING)** at **MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE-Kodambakkam** has successfully completed their Final Year project with duration from **DECEMBER 2018** to **APRIL 2019** in our concern under the domain of **DIGITAL IMAGE PROCESSING AND DIGITAL SIGNAL PROCESSING.**

PROJECT TITLE: EMOTION FEATURES SELECTION AND DETECTION USING TWO MODALITY NEURAL NETWORK.



For Pantech Pro Ed Pvt Ltd.....,

Authorized Signatory.

Pantech ProEd Private Ltd

26, II Floor, Kota Sreenivasaya Chariteis, Ramanuja Kudam Building, Duraisamy Road, Canara Bank Upstairs, T.Nagar, Chennai - 600017.

Phone : 044 - 42606450 / 6470, E-mail: chennai@pantechmail.com, www.pantechproed.com

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CIN : U80901TN2012PTC085917

Date: 18/03/2019

COMPLETION CERTIFICATE

This is to certify that **Mr. VENKATESH T.N (311515106114), Mr. BLESSING SON B.K (311515106301), Mr.KAMALAKANNAN (311515106034)**, who is pursuing final year **B.E – (ELECTRONICS AND COMMUNICATION ENGINEERING)** at **MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE- Kodambakkam** has successfully completed their Final Year project with duration from **DECEMBER 2018** to **APRIL 2019** in our concern under the domain of **DIGITAL IMAGE PROCESSING**.

PROJECT TITLE: RETINAL DISEASE IDENTIFICATION AND CLASSIFICATION USING NEURAL NETWORK.

For Pantech Pro Ed P vt Ltd.....,

Authorized Signatory.



Pantech ProEd Private Ltd

26, II Floor, Kota Sreenivasaya Chariteis, Ramanuja Kudam Building, Duraisamy Road, Canara Bank Upstairs, T.Nagar, Chennai - 600017.

Phone : 044 - 42606450 / 6470, E-mail: chennai@pantechmail.com, www.pantechproed.com

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CIN : U80901TN2012PTC085917

Date: 18/03/2019

COMPLETION CERTIFICATE

This is to certify that **Mr. DEVANATHAN S.C(311515106701), Mr. NIRANJAN.M (311515106063), Mr. MOHAMED HABEEB NAWAZ.M (311515106054)**, who is pursuing final year **B.E – (ELECTRONICS AND COMMUNICATION ENGINEERING)** at **MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE- Kodambakkam** has successfully completed their Final Year project with duration from **DECEMBER 2018** to **APRIL 2019** in our concern under the domain of **DIGITAL IMAGE PROCESSING**.

PROJECT TITLE: FACE DETECTION USING GABOR FILTER AND CENTRAL SYMMETRIC LOCAL BINARY PATTERN.

For Pantech Pro Ed Pvt Ltd.....,



Authorized Signatory.

Pantech ProEd Private Ltd

2nd Floor, Krita Sreenivasaya Chaitanya, Ramakrishna Kudam Building, Duraisamy Road, Canara Bank Upstairs, T Nagar, Chennai - 600017

Phone : 944 42000430 / 4473, E-mail: chennai@pantechproed.com, www.pantechproed.com

Branches: Madurai, Marathas, Telangana, Andhra Pradesh, Kerala



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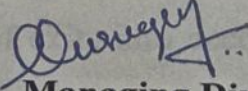
Lets begin...

PROJECT COMPLETION LETTER

This is to certify that POOJA.S (Reg No: 311515106070), VANDHANA.P (Reg No: 311515106113), RAKSHANA.A (Reg No: 311515106309), B.E student of, MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE-Kodambakkam, has successfully completed their Project work on "SEND-Situation-Aware Emergency Navigation Algorithm Using Sensor Networks" at our organization during the period December 2018 to April 2019 and she has finish her project successfully and to our satisfaction.

Her Character and conduct during the above period were good.

For Learn Bench India Pvt Ltd


Managing Director





LEARN BENCH INDIA PVT LTD.

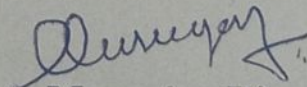
Lets begin...

PROJECT COMPLETION LETTER

This is to certify that ROSHANI MATILDA.S (Reg No: 311515106079), SHENBAGA DEVI.C (Reg No: 311515106092), VINITHA.S (Reg No: 311515106118) B.E student of, MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE-Kodambakkam, has successfully completed their Project work on "DISTRIBUTED ARITHMETIC UNIT DESIGN FOR FIR FILTER" at our organization during the period December 2018 to April 2019 and she has finish her project successfully and to our satisfaction.

Her Character and conduct during the above period were good.

For Learn Bench India Pvt Ltd

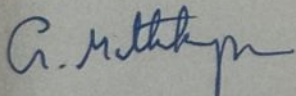

Managing Director



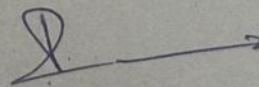
Dt.15.03.2019

BONAFIDE CERTIFICATE

This is to certify that the project **12-LEAD WIRELESS ECG DATA ACQUISITION AND TRANSMISSION BY BLUETOOTH**, is a bonafide work of **D.SHARMILA(311515106089)** belonging to the Department of **ELECTRONICS AND COMMUNICATION ENGINEERING** of **MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE**, Chennai- 89, who carried out the Project from **2nd JANUARY 2019 to 15th MARCH 2019** at our premises

A handwritten signature in blue ink, appearing to read "G. Muthukaruppan".

Dr.G.Muthukaruppan
Project Manager

A handwritten signature in blue ink, appearing to read "R. Ramachandran".

Ramachandran.R
Director

राष्ट्रीय लघु उद्योग निगम लिमिटेड

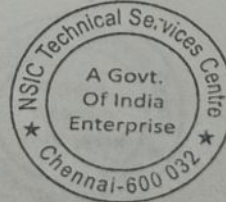
NATIONAL SMALL INDUSTRIES CORPORATION LIMITED
(A Govt. of India Enterprise)

NSIC - TECHNICAL SERVICES CENTRE,
Sector B-24, Guindy Industrial Estate, Ekkaduthangal, Chennai - 600 032

CERTIFICATE

This is to certify that Mr. **V. SRI KRISHNAMOORTHY** student of Meenakshi Sundararajan Engineering College, Chennai, has completed the project entitled **"AUTOMATION IN TOLLGATE USING RSSI TECHNOLOGY "** at our organization during the period from 31.12.2018 to 14.02.2019 for partial fulfillment of the requirement for the award of Degree of Bachelor of Engineering (ECE).

Batch No : 25
Date : 15.02.2019



[Signature]
Chief Manager

COURSE CO-ORDINATOR

[Signature]
CENTRE HEAD

राष्ट्रीय लघु उद्योग निगम लिमिटेड

NATIONAL SMALL INDUSTRIES CORPORATION LIMITED
(A Govt. of India Enterprise)

NSIC - TECHNICAL SERVICES CENTRE,

Sector B-24, Guindy Industrial Estate, Ekkaduthangal, Chennai - 600 032

CERTIFICATE

This is to certify that Mr. **S. SUDHARSAN** student of Meenakshi Sundararajan Engineering College, Chennai, has completed the project entitled **"AUTOMATION IN TOLLGATE USING RSSI TECHNOLOGY "** at our organization during the period from 31.12.2018 to 14.02.2019 for partial fulfillment of the requirement for the award of Degree of Bachelor of Engineering (ECE).

Batch No : 25

Date : 15.02.2019



Chief Manager

COURSE CO-ORDINATOR

CENTRE HEAD

राष्ट्रीय लघु उद्योग निगम लिमिटेड

NATIONAL SMALL INDUSTRIES CORPORATION LIMITED
(A Govt. of India Enterprise)

NSIC - TECHNICAL SERVICES CENTRE,

Sector B-24, Guindy Industrial Estate, Ekkaduthangal, Chennai - 600 032

CERTIFICATE

This is to certify that Mr. **VELPULA VINEETH KUMAR** student of Meenakshi Sundararajan Engineering College, Chennai, has completed the project entitled "**AUTOMATION IN TOLLGATE USING RSSI TECHNOLOGY**" at our organization during the period from 31.12.2018 to 14.02.2019 for partial fulfillment of the requirement for the award of Degree of Bachelor of Engineering (ECE).

Batch No : 25

Date : 15.02.2019



[Signature]
Chief Manager

COURSE CO-ORDINATOR

[Signature]
CENTRE HEAD



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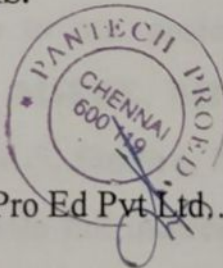
CIN : U80901TN2012PTC085917

Date: 19/03/2019

COMPLETION CERTIFICATE

This is to certify that **Ms.ABINAYA.U.K(311515106002), Ms. ALAGUMEENA.TR (311515106007), Ms. K. NIVETHRA (311515106066)** who is pursuing final year **B.E – (ELECTRONICS AND COMMUNICATION ENGINEERING)** at **MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE- Kodambakkam** has successfully completed their Final Year project with duration from **DECEMBER 2018** to **APRIL 2019** in our concern under the domain of **MEDICAL IMAGE PROCESSING**.

PROJECT TITLE: LUNG IMAGE SEGMENTATION USING NEURAL NETWORKS.



For Pantech Pro Ed Pvt Ltd....,

Authorized Signatory.

Pantech ProEd Private Ltd

26, II Floor, Kota Sreenivasaya Chariteis, Ramanuja Kudam Building, Duraisamy Road, Canara Bank Upstairs, T.Nagar, Chennai - 600017.

Phone : 044 - 42606450 / 6470, E-mail: chennai@pantechmail.com, www.pantechproed.com

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**SLN
TECHNOLOGIES**

PROJECT COMPLETION CERTIFICATE

This is to certify that the following students final year **B.E (ECE)** Department from **Meenakshi Sundararajan Engineering College - Chennai**, completed their Project in our organization. They did their project title "**Doctor's Assistive System Using Augmented Reality for Critical Analysis**" using **Embedded** platform under the guidance of our technical team, during the period of **December 2018 to March 2019**.

Students Name:

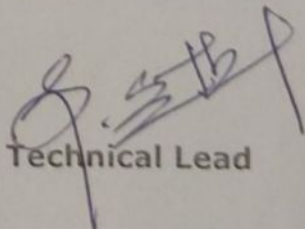
- 1. ADITYA.N** - Reg.No: **311515106003**
- 2. LAKSHMI NARASIMHAN.S** - Reg.No : **311515106044**
- 3. SRIRAM.M.S** - Reg.No : **311515106101**

During the above period, their performance was very good. We wish great success in all their future endeavors.

Date: 25.03.2019

Place: Chennai




Technical Lead

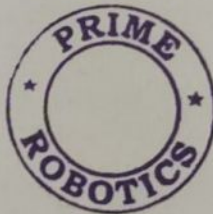
29-Mar-2019,
Chennai.

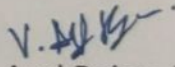
TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. Akshaya. S (311515106006) & Ms. Praveena. K (311515106071) who are pursuing final year B.E (Electronics & Communication Engineering) at Meenakshi Sundararajan Engineering College has successfully completed their internship in the project "Security Enhancement in IoT Device" from December-2018 to March-2019(4 Months) in our concern.

During this period, their conduct was good.

For Prime Robotics,




Arul Rajan. V
CTO, Prime Robotics



- Flat No: K3, Block 5, Vishranthi Sabari Mondrian Apt,
Wipro Street, OMR, Sholinganallur, Chennai. - 600119



- +91-95000 54302



- www.primerobotics.in



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MALAYSIA



CEDEC
COLLABORATIVE MICROELECTRONIC DESIGN EXCELLENCE CENTER

Certificate of Accomplishment

This certificate is awarded to

Aravind Ganesen

For completing the 7-week internship program under
Collaborative Microelectronic Design Excellence Center, Universiti Sains Malaysia.

Prof. Dr. Mohd Fadzil Bin Ain
Director
CEDEC, USM

ACKNOWLEDGEMENT

Date: 18/03/2019

COMPLETION CERTIFICATE

This is to certify that **Mr. T. ARUN KUMAR (311515106011), Mr. R. SASHAANK (311515106087), Mr. E. UMESH (311515106311)**, who is pursuing final year **B.E – (ELECTRONICS AND COMMUNICATION ENGINEERING)** at **MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE- Kodambakkam** has successfully completed their Final Year project with duration from **DECEMBER 2018** to **APRIL 2019** in our concern under the domain of **COMMUNICATION**.

PROJECT TITLE: **SPECTRUM UTILIZATION BASED ON COGNITIVE RADIO NETWORKS.**

For Pantech ProEd Pvt Ltd.....,

Authorized Signatory.

Pantech ProEd Private Ltd

26, II Floor, Kota Sreenivasaya Chariteis, Ramanuja Kudam Building, Duraisamy Road, Canara Bank Upstairs, T.Nagar, Chennai - 600017.

Phone : 044 - 42606450 / 6470, E-mail: chennai@pantechmail.com, www.pantechproed.com

Tamilnadu | Maharashtra | Telangana | Andhra Pradesh | Kerala

Date: 18/03/2019

COMPLETION CERTIFICATE

This is to certify that **Ms. R. DEEPA (311515106018), Ms. R. MEENA (311515106051), Ms. R. NANDHINI (311515106057)** who is pursuing final year **B.E – (ELECTRONICS AND COMMUNICATION ENGINEERING)** at **MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE-Kodambakkam** has successfully completed their Final Year project with duration from **DECEMBER 2018** to **APRIL 2019** in our concern under the domain of **DIGITAL IMAGE PROCESSING.**

PROJECT TITLE: TAMIL HANDWRITTEN TEXT RECOGNITION USING CONVOLUTIONAL NEURAL NETWORKS.



For Pantech Pro Ed Pvt Ltd....,

Authorized Signatory.

Pantech ProEd Private Ltd

26, II Floor, Kota Sreenivasaya Chariteis, Ramanuja Kudam Building, Duraisamy Road, Canara Bank Upstairs, T.Nagar, Chennai - 600017.

Phone : 044 - 42606450 / 6470, E-mail: chennai@pantechmail.com, www.pantechproed.com

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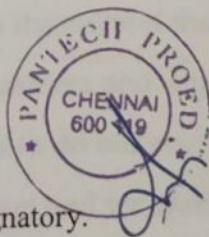
Date: 19/03/2019

COMPLETION CERTIFICATE

This is to certify that **Ms.DEVIPRIYA.P(311515106021)**, **Ms.DIVYA.P(311515106024)**, **Ms.VIGNESWARI(311515106116)** who is pursuing final year **B.E –(ELECTRONICS AND COMMUNICATION ENGINEERING)** at **MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE-Kodambakkam** has successfully completed their Final Year project with duration from **DECEMBER 2018** to **APRIL 2019** in our concern under the domain of **ANTENNA**.

PROJECT TITLE: MICROWAVE WEARABLE ANTENNA FOR BRAIN TUMOUR SENSING.

For Pantech Pro Ed Pvt Ltd.....



Authorized signatory.

Pantech ProEd Private Ltd

26, II Floor, Kota Sreenivasaya Chariteis, Ramanuja Kudam Building, Duraisamy Road, Canara Bank Upstairs, T.Nagar, Chennai - 600017.

Phone : 044 - 42606450 / 6470, E-mail: chennai@pantechmail.com, www.pantechproed.com

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SPIRO SOLUTIONS PVT LTD

26th March, 2019.

To Whomsoever It May Concern

This is to certify that Ms. GAYATHRI RAMASWAMY (Reg No: 311515106027), Ms.TESSY VARGHESE (Reg No:311515106108), Ms.A.K.DHIVYA (Reg No:311515106303), student of final year, B.E, (ECE) of "MEENAKSHI SUNDARAJAN ENGINEERING COLLEGE" had completed their major project with great success at our concern, in the title "HOOKWORM DETECTION USING ENDOSCOPY IMAGES" from January 2019 to March 2019.

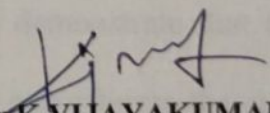
This project is found to be relevant regarding to their stream and they had submitted a copy of the project report to us. During their Project period we found them sincere & hard working & possessing a good behaviour and a moral character.

We wish them grand success in future endeavours.

Thanking you,

For Spiro Solutions Pvt Ltd,




Mr.K.VIJAYAKUMAR
HR MANAGER (HRD)

Date: 19/03/2019

COMPLETION CERTIFICATE

This is to certify that **Ms.JAYANTHI.K(311515106031), Ms.MEENA.A(311515106050), Ms.UMA PRIYA.K(311515106110)** who is pursuing final year **B.E –(ELECTRONICS AND COMMUNICATION ENGINEERING)** at **MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE-Kodambakkam** has successfully completed their Final Year project with duration from **DECEMBER 2018** to **APRIL 2019** in our concern under the domain of **ANTENNA**.

PROJECT TITLE: MICROSTRIP PATCH RESONATOR ANTENNA FOR 5G APPLICATIONS

For Pantech Pro Ed Pvt Ltd



Authorized signatory.

Pantech ProEd Private Ltd

26, II Floor, Kota Sreenivasaya Chariteis, Ramanuja Kudam Building, Duraisamy Road, Canara Bank Upstairs, T.Nagar, Chennai - 600017.

Phone : 044 - 42606450 / 6470, E-mail: chennai@pantechmail.com, www.pantechproed.com

Tamilnadu | Maharashtra | Telangana | Andra Pradesh | Kerala

ABSTRACT

Date: 15/03/2019

COMPLETION CERTIFICATE

This is to certify that **Ms. KARISHMA.M (311515106035), Ms. SHOBANA SHREE. T (311515106094), Ms. SHRUTI.G (311515106097)** who is pursuing final year **B.E – (ELECTRONICS AND COMMUNICATION ENGINEERING)** at **MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE- Kodambakkam** has successfully completed their Final Year project with duration from **DECEMBER 2018** to **APRIL 2019** in our concern under the domain of **MOBILE ADHOC NETWORKS**.

**PROJECT TITLE : IMPROVING THE NETWORK LIFETIME OF MANETS
USING RELAY NODE**



For Pantech Pro Ed Pvt Ltd.....,

Authorized Signatory.

Pantech ProEd Private Ltd

6, II Floor, Kota Sreenivasaya Chariteis, Ramanuja Kudam Building, Duraisamy Road, Canara Bank Upstairs, T.Nagar, Chennai - 600017.

Phone : 044 - 42606450 / 6470, E-mail: chennai@pantechmail.com, www.pantechproed.com

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EMAIL:INFO@CAMBIONIX.COM | CONTACT: +91-9962346557, 9962346368
NO:2,21ST STREET,ASTALAKSHMI NAGAR,ALAPAKKAM . CHENNAI-600116

Date: 26/03/2019

CERTIFICATE OF EXPERIENCE

This is to certify that Ms. Karthika S, Roll No: 311515106036 a student of Electronics and Communication Engineering, Meenakshi Sundararajan Engineering College, Chennai has successfully completed her project Semi-Autonomous Surveillance Bot at Cambionix Innovation. During the period of her internship programme with us she was found punctual, hardworking and inquisitive.

We wish her every success in life.

For Cambionix Innovations,



Abhishek

(Machine Learning Architect)



EMAIL:INFO@CAMBIONIX.COM | CONTACT: +91-9962346557, 9962346368
NO:2,21ST STREET,ASTALAKSHMI NAGAR,ALAPAKKAM . CHENNAI-600116

Date: 26/03/2019

CERTIFICATE OF EXPERIENCE

This is to certify that Ms. Sriya Raj C, Roll No: 311515106102 a student of Electronics and Communication Engineering, Meenakshi Sundararajan Engineering College, Chennai has successfully completed her project Semi-Autonomous Surveillance Bot at Cambionix Innovation. During the period of her internship programme with us she was found punctual, hardworking and inquisitive.

We wish her every success in life.

For Cambionix Innovations,

Abhishek

(Machine Learning Architect)





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25.03.2019

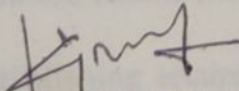
To Whomsoever It May Concern

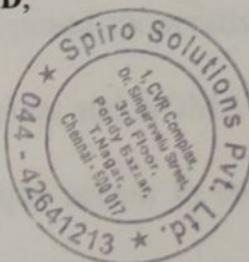
This is to certify that Ms.A.NIVETHA(Reg No: 311515106065), Ms.P.H.KEERTHMAI(Reg No: 311515106039), Ms.R.MEENAKSHI(Reg No: 311515106307) students of final year, B.E, (Electronics and Communication Engineering) of "MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE" had completed their major project with great success at our concern, in the title "ARTIFICIAL NOISE AIDED SECURE CONGNITIVE BEAMFORMING FOR COOPERATIVE NOMA USING SWIPT" from DECEMBER 2018 TO MARCH 2019.

Their project is found to be relevant regarding their stream and they had submitted a copy of the project report to us. During their Project period we found their sincere & hard working & possessing a good behaviour and a moral character.

We wish their grand success in future endeavours.

For SPIRO SOLUTIONS PVT LTD,


K.VIJAYAKUMAR
MANAGER - HR & ADMIN





TCL/IoT-BU/2019

March 22, 2019

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. Kiirthanaa Gangadharan studying in Final year B.E. Electronics and Communications Engineering, at Meenakshi Sundararajan Engineering College, Kodambakkam, Chennai 600024 has successfully completed her internship training here with us and on the IoT project on "SAFETY DEVICES and SMART APPLICATIONS" in our organization from December 17th, 2018 till February 20th, 2019.

During the training, she has shown much interest and dedication to the tasks provided and is found very industrious.

We wish her all the best in future endeavours.

K. Vanitha

K. Vanitha Kumari
General Manager – IOT Applications
IoT BU

TATA COMMUNICATIONS

Tata Communications Limited

Jayant Tech Park 4th Floor North wing No.41 Mount Poonamallee Road Nandambakkam Chennai 600089 India Tel +91 44 66592506
Regd. Office : VSB Mahatma Gandhi Road Fort Mumbai 400001 India Tel +91 22 66578765 Fax +91 22 66395162
CIN No. L64200MH1986PLC039266 Website www.tatacommunications.com

CTI/HR/CERT/2019

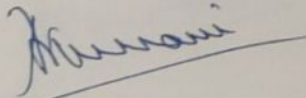
March 11, 2019

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Lakshita M studying Final year B.E, Electronics and Communication Engineering, at Meenakshi Sundararajan Engineering College, Kodambakkam, Chennai-600024 has successfully completed the project called "Generation of low frequency sonar signals to detect multiple underwater objects" in our organization from December 19, 2018 to March 11, 2019. During the training she has shown excellent skill and dedication.

We wish her all the best in future endeavors.

For Cornet Technology (India) Private Limited



(P.V.Krishnamani)

Vice President.

CTI/HR/CERT/2019

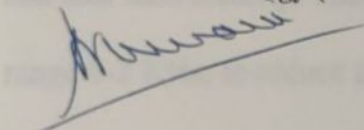
March 11, 2019

TO WHOMSOEVER IT MAY CONCERN

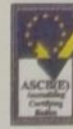
This is to certify that Thulasiram S studying Final year B.E, Electronics and Communication Engineering, at Meenakshi Sundararajan Engineering College, Kodambakkam, Chennai-600024 has successfully completed the project called "Generation of low frequency sonar signals to detect multiple underwater objects" in our organization from December 19, 2018 to March 11, 2019. During the training he has shown excellent skill and dedication.

We wish him all the best in future endeavors.

For Cornet Technology (India) Private Limited



(P.V.Krishnamani)
Vice President.



SPIRO SOLUTIONS PVT LTD

25.03.2019

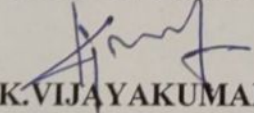
To Whomsoever It May Concern

This is to certify that Ms.T.LAVANYA(Reg No: 311515106046), Ms.P.PANDIA SATHYA(Reg No: 311515106068) students of final year, B.E, (Electronics and Communication Engineering) of "MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE" had completed their major project with great success at our concern, in the title "IMPLEMENTATION OF LNS BASED APPROXIMATE MULTIPLICATION USING MITCHELL'S ALGORITHM" from DECEMBER 2018 TO MARCH 2019.

Their project is found to be relevant regarding their stream and they had submitted a copy of the project report to us. During their Project period we found their sincere & hard working & possessing a good behaviour and a moral character.

We wish their grand success in future endeavours.

For SPIRO SOLUTIONS PVT LTD,


K.VIJAYAKUMAR
MANAGER - HR & ADMIN



Date: 19/03/2019

COMPLETION CERTIFICATE

This is to certify that **Ms.MANJULA.S (311515106048), Ms.PRITHIKA JEAN(311515106072) and Ms.RAMYA.S(311515106075)** who are pursuing final year **B.E -(ELECTRONICS AND COMMUNICATION ENGINEERING)** at **MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE-Kodambakkam** has successfully completed their Final Year project with duration from **DECEMBER 2018 to APRIL 2019** in our concern under the domain of **IMAGE PROCESSING**.

PROJECT TITLE: DNA FRAGMENTATION PATTERN AND ITS APPLICATION IN DNA SAMPLE TYPE CLASSIFICATION.

For Pantech Pro Ed Pvt Ltd.....



Authorized signatory.

Pantech ProEd Private Ltd

26, II Floor, Kota Sreenivasaya Chariteis, Ramanuja Kudam Building, Duraisamy Road, Canara Bank Upstairs, T.Nagar, Chennai - 600017.

Phone : 044 - 42606450 / 6470, E-mail: chennai@pantechmail.com, www.pantechproed.com

Tamilnadu | Maharashtra | Telangana | Andra Pradesh | Kerala

एन एस आई सी
NSIC

No.: P26/02

ISO 9001:2015

राष्ट्रीय लघु उद्योग निगम लिमिटेड

NATIONAL SMALL INDUSTRIES CORPORATION LIMITED

(A Govt. of India Enterprise)

NSIC - TECHNICAL SERVICES CENTRE,

Sector B-24, Guindy Industrial Estate, Ekkaduthangal, Chennai - 600 032

CERTIFICATE

This is to certify that Ms. **MEENU PRIYA.R.V** student of Meenakshi Sundararajan Engineering College, Chennai, has completed the project entitled "**SMART MONITORING SYSTEM FOR AUTISM SPECTRUM DISORDER** " at our organization during the period from 31.12.2018 to 14.02.2019 for partial fulfillment of the requirement for the award of Degree of Bachelor of Engineering (ECE).

Batch No : 26

Date : 15.02.2019



[Signature]
Chief Manager
COURSE CO-ORDINATOR

[Signature]
CENTRE HEAD

एन एस आई सी
NSIC
ISO 9001 : 2015

No.: P26/01

राष्ट्रीय लघु उद्योग निगम लिमिटेड

NATIONAL SMALL INDUSTRIES CORPORATION LIMITED

(A Govt. of India Enterprise)

NSIC - TECHNICAL SERVICES CENTRE,

Sector B-24, Guindy Industrial Estate, Ekkaduthangal, Chennai - 600 032

CERTIFICATE

This is to certify that Ms. **M.S. SAI POOJA** student of Meenakshi Sundararajan Engineering College, Chennai, has completed the project entitled "**SMART MONITORING SYSTEM FOR AUTISM SPECTRUM DISORDER** " at our organization during the period from 31.12.2018 to 14.02.2019 for partial fulfillment of the requirement for the award of Degree of Bachelor of Engineering (ECE).

Batch No : 26

Date : 15.02.2019



[Signature]
Chief Manager

COURSE CO-ORDINATOR

[Signature]
CENTRE HEAD

एन एस आई सी
NSIC
ISO 9001:2015

No.: P26/03

राष्ट्रीय लघु उद्योग निगम लिमिटेड

NATIONAL SMALL INDUSTRIES CORPORATION LIMITED

(A Govt. of India Enterprise)

NSIC - TECHNICAL SERVICES CENTRE,

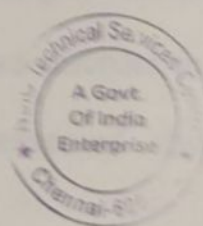
Sector B-24, Guindy Industrial Estate, Ekkaduthangal, Chennai - 600 032

CERTIFICATE

This is to certify that Ms. **SHIVA VARSHINI. P** student of Meenakshi Sundararajan Engineering College, Chennai, has completed the project entitled "**SMART MONITORING SYSTEM FOR AUTISM SPECTRUM DISORDER**" at our organization during the period from 31.12.2018 to 14.02.2019 for partial fulfillment of the requirement for the award of Degree of Bachelor of Engineering (ECE).

Batch No : 26

Date : 15.02.2019



[Signature]
Chief Manager
COURSE CO-ORDINATOR

[Signature]
CENTRE HEAD

ABSTRACT

Arrhythmias appearing with the presence of abnormal heart electrical activity are efficiently recognized and classified. ECG data set used is derived from the MIT-BIH in which ECG signals are divided into the three classes:

Date: 15/03/2019

Tachycardia (fast heartbeat), Bradycardia (slow heartbeat). Our proposed method can distinguish these activities for the classes

COMPLETION CERTIFICATE

This is to certify that **Mr. S. SHRAVAN BALAJI (311515106095), Mr. A.S. SUDARSHAN (311515106104), Mr. I. RASHAD AHMED (311515106076)** who is pursuing final year **B.E – (ELECTRONICS AND COMMUNICATION ENGINEERING)** at **MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE- Kodambakkam** has successfully completed their Final Year project with duration from **DECEMBER 2018** to **APRIL 2019** in our concern under the domain of **DIGITAL SIGNAL PROCESSING**.

PROJECT TITLE: **ARRHYTHMIA RECOGNITION AND CLASSIFICATION USING ECG MORPHOLOGY AND SIGNAL FEATURE ANALYSIS.**



For Pantech ProEd Pvt Ltd.,
Authorized Signatory.

Pantech ProEd Private Ltd

26, II Floor, Kota Sreenivasaya Chariteis, Ramanuja Kudam Building, Duraisamy Road, Canara Bank Upstairs, T.Nagar, Chennai - 600017.

Phone : 044 - 42606450 / 6470, E-mail: chennai@pantechmail.com, www.pantechproed.com

Tamilnadu | Maharashtra | Telangana | Andra Pradesh | Kerala



SPIRO SOLUTIONS PVT LTD

27.03.2019

To Whomsoever It May Concern

This is to certify that **Ms.D.ROSHINEE** (Reg No: 311515106080), student of final year, **B.E.(Electronics and Communication Engineering)** of "**MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE**" had completed her major project with great success at our concern, in the title "**Automated Detection Of White Blood Cancer Cell Diseases Updated In IOT**" from **December 2018 to March 2019**.

Her project is found to be relevant regarding her stream and she had submitted a copy of the project report to us. During her Project period we found her sincere & hard working & possessing a good behaviour and a moral character.

We wish her grand success in future endeavours.

For SPIRO SOLUTIONS PVT LTD,

K.VIJAYAKUMAR
MANAGER - HR & ADMIN



Date: 18/03/2019

COMPLETION CERTIFICATE

This is to certify that Mr. L. SAI PRASHANTH (311515106083), Mr. K. TARUN (311515106107), who is pursuing final year B.E – (ELECTRONICS AND COMMUNICATION ENGINEERING) at MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE- Kodambakkam has successfully completed their Final Year project with duration from DECEMBER 2018 to APRIL 2019 in our concern under the domain of DIGITAL IMAGE PROCESSING.

PROJECT TITLE: EMOTION RECOGNITION FOR MENTALLY CHALLENGED PEOPLE USING HYBRID TECHNIQUES.

For Pantech Pro Ed Pvt Ltd.,



Authorized Signatory.

Pantech ProEd Private Ltd

26, II Floor, Kota Sreenivasaya Chariteis, Ramanuja Kudam Building, Duraisamy Road, Canara Bank Upstairs, T.Nagar, Chennai - 600017.

Phone : 044 - 42606450 / 6470, E-mail: chennai@pantechmail.com, www.pantechproed.com

Tamilnadu | Maharashtra | Telangana | Andhra Pradesh | Kerala



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PANTECH SOLUTIONS
Technology Beyond the Dreams



CIN : U80901TN2012PTC085917

Date: 18/03/2019

COMPLETION CERTIFICATE

This is to certify that **Mr.M.SATHISH(311515106088), Mr.G.VIJAYASIMHAN (311515106117), Mr. R. VIVEK (311515106313)** who is pursuing final year **B.E – (ELECTRONICS AND COMMUNICATION ENGINEERING)** at **MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE- Kodambakkam** has successfully completed their Final Year project with duration from **DECEMBER 2018** to **APRIL 2019** in our concern under the domain of **EMBEDDED SYSTEMS**.

PROJECT TITLE: MEDICAL AID NAVIGATOR.

For Pantech Pro Ed Pvt Ltd.....



Authorized Signatory.

Pantech ProEd Private Ltd

26, II Floor, Kota Sreenivasaya Chariteis, Ramanuja Kudam Building, Duraisamy Road, Canara Bank Upstairs, T.Nagar, Chennai - 600017.

Phone : 044 - 42606450 / 6470, E-mail: chennai@pantechmail.com, www.pantechproed.com

Tamilnadu | Maharashtra | Telangana | Andhra Pradesh | Kerala

SAKTHI INSTRUMENTS AND EQUIPMENTS

1/945, Sri venkateswara Nagar, (via elcot) Perungudi, Chennai – 600096.

Certificate

THIS IS TO CERTIFY THAT **B.NISHA**, FINAL YEAR **B.E** (ELECTRICAL AND ELECTRONICS ENGINEERING) STUDENT OF **MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE** (AFFILATED TO ANNA UNIVERISTY) HAS DONE A PROJECT WORK ON **OPTIMISED DESIGN OF SPRAY DRYER** DURING THE PERIOD BETWEEN **24-12-2018 TO 13-03-2018** AT **SAKTHI INSTRUMENTS AND EQUIPMENTS, PERUNGUDI, CHENNAI – 600096.**

THE SIMULATION FOR THE **OPTIMISED DESIGN OF SPRAY DRYER** HAS BEEN SUCCESSFULLY DEMONSTRATED AND THE PROJECT REPORT HAS BEEN SUBMITTED TO THE COMPANY.

HER CHARACTER AND CONDUCT WERE **EXCELLENT** DURING THIS PERIOD. WE ARE SATISFIED WITH HER WORK AND EFFORTS ON THE PROJECT.

WE WISH ALL SUCCESS IN HER FUTURE ENDEAVOURS.

C. Sakthivel
18/03/2019



C.Sakthivel
Project Guide
Managing Director
Sakthi Instruments and Equipments



SAKTHI INSTRUMENTS AND EQUIPMENTS

1/945, Sri venkateswara Nagar, (via elcot) Perungudi, Chennai – 600096.

Certificate

THIS IS TO CERTIFY THAT **KEERTHANA NARAYANAN**, FINAL YEAR **B.E** (ELECTRICAL AND ELECTRONICS ENGINEERING) STUDENT OF **MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE** (AFFILIATED TO ANNA UNIVERISTY) HAS DONE A PROJECT WORK ON **OPTIMISED DESIGN OF SPRAY DRYER** DURING THE PERIOD BETWEEN **24-12-2018 TO 13-03-2018** AT **SAKTHI INSTRUMENTS AND EQUIPMENTS, PERUNGUDI, CHENNAI – 600096.**

THE SIMULATION FOR THE **OPTIMISED DESIGN OF SPRAY DRYER** HAS BEEN SUCCESSFULLY DEMONSTRATED AND THE PROJECT REPORT HAS BEEN SUBMITTED TO THE COMPANY.

HER CHARACTER AND CONDUCT WERE **EXCELLENT** DURING THIS PERIOD. WE ARE SATISFIED WITH HER WORK AND EFFORTS ON THE PROJECT.

WE WISH ALL SUCCESS IN HER FUTURE ENDEAVOURS.

C. Sakthivel
18/03/2019



C. Sakthivel
Project Guide
Managing Director
Sakthi Instruments and Equipments

Si SAKTHI INSTRUMENTS AND EQUIPMENTS

1/945, Sri venkateswara Nagar, (via elcot) Perungudi, Chennai – 600096.

Certificate

THIS IS TO CERTIFY THAT **P.AISHWARYA**, FINAL YEAR **B.E (ELECTRICAL AND ELECTRONICS ENGINEERING)** STUDENT OF **MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE (AFFILIATED TO ANNA UNIVERISTY)** HAS DONE A PROJECT WORK ON **OPTIMISED DESIGN OF SPRAY DRYER** DURING THE PERIOD BETWEEN **24-12-2018 TO 13-03-2018** AT **SAKTHI INSTRUMENTS AND EQUIPMENTS, PERUNGUDI, CHENNAI – 600096.**

THE SIMULATION FOR THE **OPTIMISED DESIGN OF SPRAY DRYER** HAS BEEN SUCCESSFULLY DEMONSTRATED AND THE PROJECT REPORT HAS BEEN SUBMITTED TO THE COMPANY.

HER CHARACTER AND CONDUCT WERE **EXCELLENT** DURING THIS PERIOD. WE ARE SATISFIED WITH HER WORK AND EFFORTS ON THE PROJECT.

WE WISH ALL SUCCESS IN HER FUTURE ENDEAVOURS.

C. Sakthivel 18/03/2019



C.Sakthivel
Project Guide
Managing Director
Sakthi Instruments and Equipments

**BOSCH**

Bosch Electrical Drives India Pvt. Ltd.
Plot No: A 20/2,
SIPCOT Industrial Growth Centre
Oragadam, Sriperumbudur Taluk,
Kancheepuram Dist - 602 105.
Tel : +91-44-6741 0000
Fax : +91-44-6741 0017
Web : www.boschindia.com
CIN : U31103TN2008PTC067493

01.04.2019**RBDI/HRL1****To Whomsoever It may Concern**

Dear Sir / Madam,

This is to inform that **Ms. Gomathy M** student of **Meenakshi Sundararajan Engineering College**, Chennai has successfully completed her internship in " RBDI -Performance Enhancement of PMDC Motor using speed software ". During the project work ,she was regular and punctual in her work.

We wish her all the best in her future endeavors.

For Bosch Electrical Drives India Private Limited

V. Srividhya
Srividhya. V
Deputy Manager
(RBDI/HRL1)



BOSCH

Bosch Electrical Drives India Pvt. Ltd.
Plot No: A 20/2,
SIPCOT Industrial Growth Centre
Oragadam, Sriperumbudur Taluk,
Kancheepuram Dist - 602 105.
Tel : +91-44-6741 0000
Fax : +91-44-6741 0017
Web : www.boschindia.com
CIN : U31103TN2008PTC067493

01.04.2019

RBDI/HRL1

To Whomsoever It may Concern

Dear Sir / Madam,

This is to inform that **Ms. Mahima G** student of **Meenakshi Sundararajan Engineering College**, Chennai has successfully completed her internship in " RBDI -Performance Enhancement of PMDC Motor using speed software ". During the project work ,she was regular and punctual in her work.

We wish her all the best in her future endeavors.

For Bosch Electrical Drives India Private Limited

V. Sri Vidhya
Srividhya. V
Deputy Manager
(RBDI/HRL1)



BOSCH

Bosch Electrical Drives India Pvt. Ltd.
Plot No: A 20/2,
SIPCOT Industrial Growth Centre
Oragadam, Sriperumbudur Taluk,
Kancheepuram Dist - 602 105.
Tel : +91-44-6741 0000
Fax : +91-44-6741 0017
Web: www.boschindia.com
CIN : U31103TN2008PTC067493

01.04.2019

RBDI/HRL1

To Whomsoever It may Concern

Dear Sir / Madam,

This is to inform that **Ms. Akshaya S** student of **Meenakshi Sundararajan Engineering College**, Chennai has successfully completed her internship in " RBDI -Performance Enhancement of PMDC Motor using speed software ". During the project work ,she was regular and punctual in her work.

We wish her all the best in her future endeavors.

For Bosch Electrical Drives India Private Limited

V. Srividhya

Srividhya. V
Deputy Manager
(RBDI/HRL1)

FLSmidth Private Limited

Registered Office : 'FLSmidth House' • 34 Egatour
Kelambakkam • (Rajiv Gandhi Salai - Chennai) • Tamil Nadu 603 103 • India
Tel +91 44 4748 1000 / 2741 1000 Fax +91 44 2747 0301 / 302
Email indiainfo@flsmidth.com Website www.flsmidth.com



Income Tax Permanent Account Number : AAACF4997N
Corporate Identity Number : U26941TN2000PTC044765

26th March 2019

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **S Ram Kumar** has done an Internship and Project at FLSmidth House, Chennai, in **Automation Department** during the period from **19th December 2018 to 25th February 2019** and his quality of work done was found to be good.

For **FLSMIDTH PRIVATE LIMITED,**




RUTAYANI MISHRA
HUMAN RESOURCES

FLSmidth Private Limited

Registered Office : 'FLSmidth House' • 34 Egatoot
Kelambakkam • (Rajiv Gandhi Salai - Chennai) • Tamil Nadu 603 103 • India
Tel +91 44 4748 1000 / 2741 1000 Fax +91 44 2747 0301 / 302
Email indiainfo@flsmidth.com Website www.flsmidth.com

Income Tax Permanent Account Number : AAACF4997N
Corporate Identity Number : U26941TN2000PTC044765



26th March 2019

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **R Bharadvaj** has done an Internship and Project at FLSmidth House, Chennai, in **Automation Department** during the period from **19th December 2018 to 25th February 2019** and his quality of work done was found to be good.

For **FLSMIDTH PRIVATE LIMITED,**


RUTAYANI MISHRA
HUMAN RESOURCES



FLSmidth Private Limited
Registered Office : 'FLSmidth House' . 34 Egatoot
Kelambakkam . (Rajiv Gandhi Salai - Chennai) . Tamil Nadu 603 103 . India
Tel +91 44 4748 1000 / 2741 1000 Fax +91 44 2747 0301 / 302
Email indiainfo@flsmidth.com Website www.flsmidth.com
Income Tax Permanent Account Number : AAACF4997N
Corporate Identity Number : U26941TN2000PTC044765

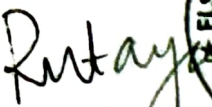



26th March 2019

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **B M S Sayeenath** has done an Internship and Project at FLSmidth House, Chennai, in **Automation Department** during the period **from 19th December 2018 to 25th February 2019** and his quality of work done was found to be good.

For **FLSMIDTH PRIVATE LIMITED,**



RUTAYANI
HUMAN RESOURCES



BHARAT HEAVY ELECTRICALS LIMITED

(A Government of India Undertaking)

BOILER AUXILIARIES PLANT

RANIPET 632 406 TAMIL NADU INDIA

HUMAN RESOURCE DEVELOPMENT CENTRE

Certificate

*Shri / Ms. **HARITHAA VARSHINI V** a Student of **B.E(Electrical & Electronics)**
MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE, CHENNAI undergone a Projects Training on
the title **DESIGN OF SCHEME FOR THREE PHASE FIRING CARD FOR ELECTROSTATIC
PRECIPITATOR CONTROLLER** from 31/12/2018 to 28/01/2019 (Inclusive of both days) at Boiler
Auxiliaries Plant, BHEL, Ranipet- 632 406, TamilNadu..*

Date:



(Signature)
DY. MANAGER / HR-WLX & TDX

M. KANAKARAJ
DEPUTY MANAGER / HR-WLX & TDX
BHEL / BAP / RANIPET - 632 406

BHARAT HEAVY ELECTRICALS LIMITED

(A Government of India Undertaking)

BOILER AUXILIARIES PLANT

RANIPET 632 406 TAMIL NADU INDIA

HUMAN RESOURCE DEVELOPMENT CENTRE

Certificate

Srini / Ms. **AKSHAYA R** a Student of **B.E (Electrical & Electronics)** **MEEENAKSHI**

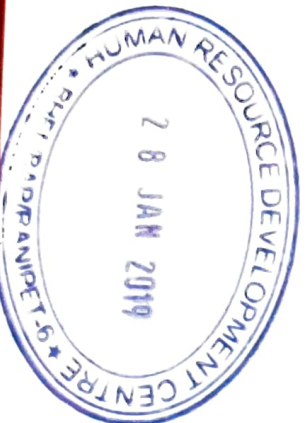
SUNDARARAJAN ENGINEERING COLLEGE, CHENNAI undergone a Projects Training on the title

DESIGN OF SCHEME FOR THREE PHASE FIRING CARD FOR ELECTROSTATIC PRECIPITATOR

CONTROLLER from 31/12/2018 to 28/01/2019 (Inclusive of both days) at Boiler Auxiliaries Plant,

BHEL, Ranipet- 632 406, TamilNadu..

Date:



DY. MANAGER / HR-WLX & TDX

M. K. NAGARAJ
DEPUTY MANAGER / HR-WLX & TDX
BHEL / BAP / RANIPET - 632 406



BHARAT HEAVY ELECTRICALS LIMITED

(A Government of India Undertaking)

BOILER AUXILIARIES PLANT

RANIPET 632 406 TAMIL NADU INDIA

HUMAN RESOURCE DEVELOPMENT CENTRE

Certificate

Shri / Ms. **ANANDHAMEENAKSHI U** a Student of **B.E(Electrical & Electronics)**
MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE, CHENNAI undergone a Projects Training on
the title **DESIGN OF SCHEME FOR THREE PHASE FIRING CARD FOR ELECTROSTATIC**
PRECIPITATOR CONTROLLER from 31/12/2018 to 28/01/2019 (Inclusive of both days) at Boiler
Auxiliaries Plant, BHEL, Ranipet- 632 406, TamilNadu..

Date:



(Signature)
DY. MANAGER / HR-WLX & TDX

M. RANAGARAJ
DEPUTY MANAGER / HR-WLX & TDX
BHEL / BAP / RANIPET - 632 406

राष्ट्रीय लघु उद्योग निगम लिमिटेड

NATIONAL SMALL INDUSTRIES CORPORATION LIMITED

(A Govt. of India Enterprise)

NSIC - TECHNICAL SERVICES CENTRE,

Sector B-24, Guindy Industrial Estate, Ekkaduthangal, Chennai - 600 032


CERTIFICATE


This is to certify that Ms. **KRITHIKA.B.S** student of Meenakshi Sundararajan Engineering College, Chennai, has completed the project entitle "**INDUSTRIAL CONTROL SYSTEMS FOR SAFETY IN FUEL DISTRIBUTION**" at our organization during the period from 02.01.2019 to 27.02.2019 for partial fulfillment of the requirement for the award of Degree of Bachelor of Engineering (EEE).

Batch No : 28

Date : 28.02.2019




COURSE CO-ORDINATOR


CENTRE HEAD

राष्ट्रीय लघु उद्योग निगम लिमिटेड

NATIONAL SMALL INDUSTRIES CORPORATION LIMITED
(A Govt. of India Enterprise)

NSIC - TECHNICAL SERVICES CENTRE,
Sector B-24, Guindy Industrial Estate, Ekkaduthangal, Chennai - 600 032

CERTIFICATE

This is to certify that Ms. **MERIN LILLY.A** student of Meenakshi Sundararajan Engineering College, Chennai, has completed the project entitle "**INDUSTRIAL CONTROL SYSTEMS FOR SAFETY IN FUEL DISTRIBUTION**" at our organization during the period from 02.01.2019 to 27.02.2019 for partial fulfillment of the requirement for the award of Degree of Bachelor of Engineering (EEE).

Batch No : 28

Date : 28.02.2019




COURSE CO-ORDINATOR


CENTRE HEAD


BSNL
*Connecting India
Faster*

BHARAT SANCHAR NIGAM LIMITED

(A Govt. of India Enterprise)

Rajiv Gandhi Memorial Telecom Training Centre

Tamilnadu Circle, Chennai - 600 016.

CERTIFICATE

CHARULATHA D, BE (EEE)

This is to certify that Mr /Ms.....

MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

..... studying / working in

, CHENNAI

has successfully completed

Project on 'DESIGN OF HYBRID POWER GENERATION USING SOLAR AND PELTIER

PLATE'

during the period

JAN2019-MAR2019

His/Her performance during the period is

Excellent

**Principal
RGM TTC, BSNL**

Place : Chennai-16.

Date : 14-03-2019

CERTIFICATE

P.RENUKA, BE (EEE)

This is to certify that Mr /Ms.....

MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

..... studying / working in

, CHENNAI

has successfully completed

Project on 'DESIGN OF HYBRID POWER GENERATION USING SOLAR AND PELTIER

PLATE'

during the period

JAN2019-MAR2019

His/Her performance during the period is

Excellent

Place : Chennai-16.

Date : 14-03-2019


Principal
RGM TTC, BSNL

CERTIFICATE

P.SWETHA, BE (EEE)

This is to certify that Mr /Ms.

MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
studying / working in

CHENNAI

has successfully completed **Project on 'DESIGN OF HYBRID POWER GENERATION USING SOLAR AND PELTIER**
PLATE'

during the period **JAN2019-MAR2019**

His/Her performance during the period is **Excellent**

Place : Chennai-16.
Date : 14-03-2019


Principal
RGM TTC, BSNL

**BSNL***Connecting India
Faster***BHARAT SANCHAR NIGAM LIMITED**

(A Govt. of India Enterprise)

Rajiv Gandhi Memorial Telecom Training Centre**Tamilnadu Circle, Chennai - 600 016.****CERTIFICATE****J.GOWSALYA, BE (EEE)***This is to certify that Mr /Ms.....***MEENAKSHI SUNDARAJAN ENGINEERING COLLEGE ,***studying / working in***Kodambakkam***has successfully completed***Project on 'INDUSTRIAL AUTOMATION USING IoT THROUGH LI-FI'***during the period***JAN2019-MAR2019***His/Her performance during the period is***Excellent****Place : Chennai-16.****Date : 14-03-2019****Principal
RGM TTC, BSNL**

**BSNL***Connecting India
Faster*

BHARAT SANCHAR NIGAM LIMITED

(A Govt. of India Enterprise)

Rajiv Gandhi Memorial Telecom Training Centre

Tamilnadu Circle, Chennai - 600 016.

CERTIFICATE

K.DIVYA, BE (EEE)

This is to certify that Mr /Ms.....

MEENAKSHI SUNDARAJAN ENGINEERING COLLEGE ,

..... studying / working in

Kodambakkam

has successfully completed

Project on 'INDUSTRIAL AUTOMATION USING IoT THROUGH LI-FI'

during the period

JAN2019-MAR2019

His/Her performance during the period is

Excellent

Place : Chennai-16.

Date : 14-03-2019


Principal
RGM TTC, BSNL

CERTIFICATE

R.KOKILA, BE (EEE)

This is to certify that Mr /Ms.....

MEENAKSHI SUNDARAJAN ENGINEERING COLLEGE ,

..... studying / working in

Kodambakkam

has successfully completed

Project on 'INDUSTRIAL AUTOMATION USING IoT THROUGH LI-FI'

during the period

JAN2019-MAR2019

His/Her performance during the period is

Excellent

Place : Chennai-16.

Date : 14-03-2019


**Principal
RGM TTC, BSNL**



BHARAT SANCHAR NIGAM LIMITED

(A Govt. of India Enterprise)

Rajiv Gandhi Memorial Telecom Training Centre
Tamilnadu Circle, Chennai - 600 016.

CERTIFICATE

SWARNA K, BE (EEE)

This is to certify that Mr /Ms.....

MEENAKSHI SUNDARAJAN ENGINEERING COLLEGE ,

..... studying / working in

Kodambakkam, Chennai-24

Project on 'DIGITAL ENERGY METER FOR ONLINE AND OFFLINE PAYMENT AND OVER

has successfully completed

CURRENT DEDUCTION USING IoT'

JAN2019-MAR2019

during the period

Excellent

His/Her performance during the period is

Principal
RGM TTC, BSNL

Place : Chennai-16.

Date : 14-03-2019



BHARAT SANCHAR NIGAM LIMITED
(A Govt. of India Enterprise)
Rajiv Gandhi Memorial Telecom Training Centre
Tamilnadu Circle, Chennai - 600 016.

CERTIFICATE

VAISHNAVI L, BE (EEE)

This is to certify that Mr /Ms.....

..... studying / working in

Kodambakkam, Chennai-24

has successfully completed

Project on 'DIGITAL ENERGY METER FOR ONLINE AND OFFLINE PAYMENT AND OVER

CURRENT DEDUCTION USING IoT'

during the period

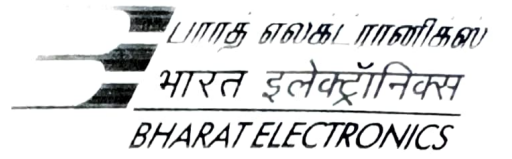
JAN2019-MAR2019

His/Her performance during the period is

Excellent

Principal
RGM TTC, BSNL

Place : Chennai-16.
Date : 14-03-2019



भारत इलेक्ट्रॉनिक्स लिमिटेड

(भारत सरकार का उद्यम, रक्षा मंत्रालय)

नंदमबाक्कम, चेन्नै - 600 089. भारत.

BHARAT ELECTRONICS LIMITED

(A Govt. of India Enterprise, Ministry of Defence)

Nandambakkam, Chennai - 600 089. INDIA

फोन / Phone :

फैक्स / Fax :

ई-मेल / E-mail : 044-22338111

044-22326905

No: 4788/003/PROJ/HR&A/CHN/2019

Date: 05.01.2019

CERTIFICATE

This is to certify that **Mr.R.K.BHARATHYKKANNAN**, Final Year B.E (EEE) Student of MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE, KODAMBAKKAM, CHENNAI - 600 024, has done his Project Work Titled "**SIMULATION OF ELECTRICAL DRIVES FOR GUN AND TURRET**" in **BHARAT ELECTRONICS LIMITED, CHENNAI** from **19.12.2018 to 05.01.2019** in Development & Engineering Department of our Organization.

During the period of his stay with us for doing the project work, his aptitude towards the project was **GOOD**.

WE WISH HIM ALL SUCCESS.

[T.SUNDAR]

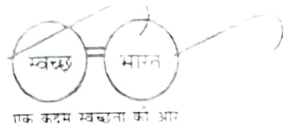
DEPUTY GENERAL MANAGER [HR&A]

टी. सुन्दर / T. SUNDAR
उप महाप्रबन्धक (सा.सं.प्र.)/DGM (HR&A)
भारत इलेक्ट्रॉनिक्स लिमिटेड.
BHARAT ELECTRONICS LIMITED.
(भारत सरकार का उद्यम, रक्षा मंत्रालय)
(A Govt. of India Enterprise, Ministry of Defence)
नंदमबाक्कम, चेन्नै - 600 089.
Nandambakkam, Chennai-600 089.

राजभाषा हिन्दी - राष्ट्रीयता का प्रतीक

पंजीकृत और कारपोरेट ऑफिस : नागवरा, औटर रिंग रोड, बेंगलूर - 560 045. भारत.
Reg. & Corporate Office : Nagavara, Outer Ring Road, Bangalore - 560 045. India.

ISO 9001 and ISO 14001 Certified Company



भारत इलेक्ट्रॉनिक्स लिमिटेड
BHARAT ELECTRONICS LIMITED

भारत इलेक्ट्रॉनिक्स लिमिटेड

(भारत सरकार का उद्यम, रक्षा मंत्रालय)
नंदमबाक्कम, चेन्नै - 600 089. भारत.

BHARAT ELECTRONICS LIMITED
(A Govt. of India Enterprise, Ministry of Defence)
Nandambakkam, Chennai - 600 089. INDIA

फोन / Phone :
फैक्स / Fax :
ई-मेल / E-mail : 044-22338111
044-22326905

No: 4788/003/PROJ/HR&A/CHN/2019
Date: 05.01.2019

CERTIFICATE

This is to certify that **Mr.P.AJAI KIRAAN**, Final Year B.E (EEE) Student of MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE, KODAMBAKKAM, CHENNAI - 600 024, has done his Project Work Titled "**SIMULATION OF ELECTRICAL DRIVES FOR GUN AND TURRET**" in **BHARAT ELECTRONICS LIMITED, CHENNAI** from **19.12.2018 to 05.01.2019** in Development & Engineering Department of our Organization.

During the period of his stay with us for doing the project work, his aptitude towards the project was **GOOD**.

WE WISH HIM ALL SUCCESS.

[T.SUNDAR]

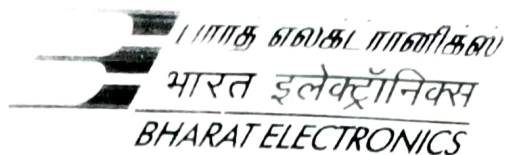
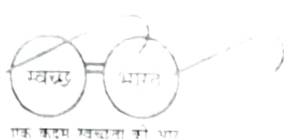
DEPUTY GENERAL MANAGER [HR&A]

टी. सुन्दर / T. SUNDAR
उप महाप्रबंधक (भा.सं.व. प्र.)/DGM (HR&A)
भारत इलेक्ट्रॉनिक्स लिमिटेड.
BHARAT ELECTRONICS LIMITED.
(भारत सरकार का उद्यम, रक्षा मंत्रालय)
(A Govt. of India Enterprise, Ministry of Defence)
नंदमबाक्कम, चेन्नै-600 089.
Nandambakkam, Chennai-600 089.

राजभाषा हिन्दी - राष्ट्रीयता का प्रतीक

पंजीकृत और कारपोरेट ऑफिस : नागवरा, औटर रिंग रोड, बेंगलूर - 560 045. भारत.
Reg. & Corporate Office : Nagavara, Outer Ring Road, Bangalore - 560 045. India.

ISO 9001 and ISO 14001 Certified Company



भारत इलेक्ट्रॉनिक्स लिमिटेड

(भारत सरकार का उद्यम, रक्षा मंत्रालय)
नंदमबाक्कम, चेन्नै - 600 089. भारत.

BHARAT ELECTRONICS LIMITED

(A Govt. of India Enterprise, Ministry of Defence)
Nandambakkam, Chennai - 600 089. INDIA

फोन / Phone :

फैक्स / Fax :

ई-मेल / E-mail :

044-22338111

044-22326905

No: 4788/003/PROJ/HR&A/CHN/2019

Date: 05.01.2019

CERTIFICATE

This is to certify that **Mr.R.DEEPAK KUMAR**, Final Year B.E (EEE) Student of MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE, KODAMBAKKAM, CHENNAI – 600 024, has done his Project Work Titled "**SIMULATION OF ELECTRICAL DRIVES FOR GUN AND TURRET**" in **BHARAT ELECTRONICS LIMITED, CHENNAI** from **19.12.2018 to 05.01.2019** in Development & Engineering Department of our Organization.

During the period of his stay with us for doing the project work, his aptitude towards the project was **GOOD**.

WE WISH HIM ALL SUCCESS.

[T.SUNDAR]

DEPUTY GENERAL MANAGER [HR&A]

टी. सुन्दर / T. SUNDAR
उप महाप्रबंधक (आ.सं. व.)/DGM (HR&A)
भारत इलेक्ट्रॉनिक्स लिमिटेड.
BHARAT ELECTRONICS LIMITED.
(भारत सरकार का उद्यम, रक्षा मंत्रालय)
(A Govt. of India Enterprise, Ministry of Defence)
नंदमबाक्कम, चेन्नै - 600 089.
Nandambakkam, Chennai - 600 089.

राजभाषा हिन्दी - राष्ट्रीयता का प्रतीक

पंजीकृत और कारपोरेट ऑफिस : नागवरा, औटर रिंग रोड, बेंगलूर - 560 045. भारत.
Reg. & Corporate Office : Nagavara, Outer Ring Road, Bangalore - 560 045. India.

ISO 9001 and ISO 14001 Certified Company



Chennai Metro Rail Limited

(A Joint Venture of Govt. of India and Govt. of Tamil Nadu)

28-03-2019

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Selvi D.Rukkumani Meenakshi Sundararajan Engineering College from has done his Intern Ship Training in Chennai Metro Rail Limited from 2nd January 2019 to 28th February 2019.

During the training her conduct was good.

We wish her all the best for her better future.

S. Raghuraman
28.03.2019

Assistant Manager (HR)



S. RAGHU RAMAN
Assistant Manager (HR)
CHENNAI METRO RAIL LIMITED
CMRL Depot, Admin. Building,
Poonamalle High Road,
Koyambedu, Chennai - 600 107



Chennai Metro Rail Limited

(A Joint Venture of Govt. of India and Govt. of Tamil Nadu)

28-03-2019

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Selvi S.Shreevidhya from Meenakshi Sundararajan Engineering College from has done his Intern Ship Training in Chennai Metro Rail Limited from 2nd January 2019 to 28th February 2019.

During the training her conduct was good.

We wish her all the best for her better future.

Assistant Manager (HR)

S. Raghuraman
28.03.2019


S. RAGHU RAMAN
Assistant Manager (HR)
CHENNAI METRO RAIL LIMITED
CMRL Depot, Admin. Building,
Poonamallee High Road,
Koyambedu, Chennai - 600 107

CMRL Depot, Admin Building, Poonamallee High Road, Koyambedu, Chennai - 600 107.
Phone : 23792000 Fax : 23792200

Email : chennaiemrtrain@cmrl.in website : www.chennaiemrtrain.org

CIN : U60100TN2007SGC065596

CERTIFICATE

Name : R.ARAVINDAN
Registration No : 311515105301
Degree & Department : B.E-EEE / Final Year
College : MEENAKSHI SUNDARARAJAN
ENGINEERING COLLEGE
Program : Project Training
Project Title : PLC Based Automation For The Fire Safety
Measures In Commercial Buildings
Duration : From-(04/Feb/2019) To-(16/Mar/2019)
Conduct & Character : Good

We wish him all success in his future endeavors.

Date: 25.03.2019



C.Lalit


Developer (Training & RND)

CERTIFICATE

Name	:	D.ARAVIND
Registration No	:	311515105008
Degree & Department	:	B.E-EEE / Final Year
College	:	MEENAKSHI SUNDARAJAN ENGINEERING COLLEGE
Program	:	Project Training
Project Title	:	PLC Based Automation For The Fire Safety Measures In Commercial Buildings
Duration	:	From-(04/Feb/2019) To-(16/Mar/2019)
Conduct & Character	:	Good

We wish him all success in his future endeavors.

Date: 25.03.2019


C.Lalith

Developer (Training & RND)

CERTIFICATE

Name	:	R.MAGESH
Registration No	:	311515105304
Degree & Department	:	B.E-EEE / Final Year
College	:	MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
Program	:	Project Training
Project Title	:	PLC Based Automation For The Fire Safety Measures In Commercial Buildings
Duration	:	From-(04/Feb/2019) To-(16/Mar/2019)
Conduct & Character	:	Good

We wish him all success in his future endeavors.

Date: 25.03.2019


C.Lalit

Developer (Training & RND)

राष्ट्रीय लघु उद्योग निगम लिमिटेड
NATIONAL SMALL INDUSTRIES CORPORATION LIMITED
(A Govt. of India Enterprise)

NSIC - TECHNICAL SERVICES CENTRE,
Sector B-24, Guindy Industrial Estate, Ekkaduthangal, Chennai - 600 032

CERTIFICATE

This is to certify that Ms. **K.DEEPIKA** student of Meenakshi Sundararajan Engineering College, Chennai, has completed Internship Training and project entitled “ **DEVELOPMENT OF IoT BASED SMART SECURITY AND MONITORING DEVICES FOR AGRICULTURE** ” at our organization during the period from 31.12.2018 to 25.02.2019 for partial fulfillment of the requirement for the award of Degree of Bachelor of Engineering (EEE).

Batch No : 24

Date : 26.02.2019



[Signature]
COURSE CO-ORDINATOR
Chief Manager

[Signature]
CENTRE HEAD

राष्ट्रीय लघु उद्योग निगम लिमिटेड
NATIONAL SMALL INDUSTRIES CORPORATION LIMITED
(A Govt. of India Enterprise)

NSIC - TECHNICAL SERVICES CENTRE,
Sector B-24, Guindy Industrial Estate, Ekkaduthangal, Chennai - 600 032

CERTIFICATE

This is to certify that Ms. **A. GAYATHRI** student of Meenakshi Sundararajan Engineering College, Chennai, has completed Internship Training and project entitled “ **DEVELOPMENT OF IoT BASED SMART SECURITY AND MONITORING DEVICES FOR AGRICULTURE** ” at our organization during the period from 31.12.2018 to 25.02.2019 for partial fulfillment of the requirement for the award of Degree of Bachelor of Engineering (EEE).

Batch No : 24

Date : 26.02.2019



COURSE CO-ORDINATOR
Chief Manager

CENTRE HEAD

राष्ट्रीय लघु उद्योग निगम लिमिटेड

NATIONAL SMALL INDUSTRIES CORPORATION LIMITED

(A Govt. of India Enterprise)

NSIC - TECHNICAL SERVICES CENTRE,

Sector B-24, Guindy Industrial Estate, Ekkaduthangal, Chennai - 600 032

CERTIFICATE

This is to certify that Ms. **KOTHAI.M.S** student of Meenakshi Sundararajan Engineering College, Chennai, has completed Internship Training and project entitled “ **DEVELOPMENT OF IoT BASED SMART SECURITY AND MONITORING DEVICES FOR AGRICULTURE** ” at our organization during the period from 31.12.2018 to 25.02.2019 for partial fulfillment of the requirement for the award of Degree of Bachelor of Engineering (EEE).

Batch No : 24

Date : 26.02.2019



[Signature]
COURSE CO-ORDINATOR

Chief Manager

[Signature]
CENTRE HEAD



Advanced Manufacturing Technology Development Centre

Centre of Excellence on Machine Tools and Production Technology, IIT Madras
Registered as a society under Tamil Nadu Society Registration act, 1975 - Reg. No. 421/2016



Tel: 044 – 6646 9825

Website : www.amtdc.org

Email: info@amtdc.org

Prof. N. Ramesh Babu
V Balaraman Institute Chair
Secretary, AMTDC

1st April 2019

To whomsoever it may concern

This is to certify that Ms. P. Shree Shyamala (311515105052) final year B.E (EEE) student of Meenakshi Sundararajan Engineering college, Chennai, has done her project work on **"DESIGN OF CONTROL SYSTEM OF HIGH PRECISION FEED DRIVES OF MACHINE TOOLS"** at our Centre during the period from 18.12.2018 to 10.3.2019.

(N. RAMESH BABU)



Advanced Manufacturing Technology Development Centre

Centre of Excellence on Machine Tools and Production Technology, IIT Madras
Registered as a society under Tamil Nadu Society Registration act, 1975 - Reg. No. 421/2016



Tel: 044 – 6646 9825

Website : www.amtdc.org

Email: info@amtdc.org

Prof. N. Ramesh Babu
V Balaraman Institute Chair
Secretary, AMTDC

1st April 2019

To whomsoever it may concern

This is to certify that **Ms. S. Roashini Priyaa (311515105047)** final year B.E (EEE) student of Meenakshi Sundararajan Engineering college, Chennai, has done her project work on **"DESIGN OF CONTROL SYSTEM OF HIGH PRECISION FEED DRIVES OF MACHINE TOOLS"** at our Centre during the period from 18.12.2018 to 10.3.2019.

(N. RAMESH BABU)



Advanced Manufacturing Technology Development Centre

Centre of Excellence on Machine Tools and Production Technology, IIT Madras
Registered as a society under Tamil Nadu Society Registration act, 1975 - Reg. No. 421/2016



Tel: 044 – 6646 9825

Website : www.amtdc.org

Email: info@amtdc.org

Prof. N. Ramesh Babu
V Balaraman Institute Chair
Secretary, AMTDC

1st April 2019

To whomsoever it may concern

This is to certify that Ms. G. Atchaya (311515105011) final year B.E (EEE) student of Meenakshi Sundararajan Engineering college, Chennai, has done her project work on "DESIGN OF CONTROL SYSTEM OF HIGH PRECISION FEED DRIVES OF MACHINE TOOLS" at our Centre during the period from 18.12.2018 to 10.3.2019.

(N. RAMESH BABU)

दक्षिणी रेलवे SOUTHERN RAILWAY




उप मुख्य विद्युत अभियंता के कार्यालय
Office of the Dy. Chief Electrical Engineer,
कैरिज वर्क्स, पेरांबूर Carriage Works, Perambur,
चेन्नई Chennai 600 023.
फोन Phone: 26741701

No.E/E.216/I/Genl./In-plant/Vol.XIII

Date: 29.03.2019.

TO WHOM SOEVER IT MAY CONCERN

This is to certify that **Mr. M. RAJESH**, Reg. No.311515105305, Final year B.E. (Electrical & Electronics Engineering) student of M/s. Meenakshi Sundarajan Engineering College, 363, Arcot Road, Kodambakkam, Chennai 600 024, has undergone Project Work of "**BATTERY CONVERTER WITH REGENERATIVE MODE AND AUTO CUT OFF**" at this organisation from **02.01.2019** to **28.02.2019**, has successfully completed on 28.02.2019.


(C. M. Murali) 29/3/19
Executive Elec. Engineer/CW
for Dy. Chief Elec. Engineer/CW,
Perambur, Chennai 600 023.

दक्षिणी रेलवे SOUTHERN RAILWAY




उप मुख्य विद्युत अभियंता के कार्यालय
Office of the Dy. Chief Electrical Engineer,
कैरिज वर्क्स, पेरांबूर Carriage Works, Perambur,
चेन्नई Chennai 600 023.
फोन Phone: 26741701

No.E/E.216/I/Genl./In-plant/Vol.XIII

Date: 29.03.2019.

TO WHOM SOEVER IT MAY CONCERN

This is to certify that **Mr. E. ELAVARASAN, Reg. No.311515105302**, Final year B.E. (Electrical & Electronics Engineering) student of M/s. Meenakshi Sundarajan Engineering College, 363, Arcot Road, Kodambakkam, Chennai 600 024, has undergone Project Work of **"BATTERY CONVERTER WITH REGENERATIVE MODE AND AUTO CUT OFF"** at this organisation from **02.01.2019 to 28.02.2019**, has successfully completed on 28.02.2019.


(C. M. Murali)
Executive Elec. Engineer/CW
for Dy. Chief Elec. Engineer/CW,
Perambur, Chennai 600 023.

दक्षिणी रेलवे SOUTHERN RAILWAY




उप मुख्य विद्युत अभियंता के कार्यालय
Office of the Dy. Chief Electrical Engineer,
कैरिज वर्क्स, पेरांबूर Carriage Works, Perambur,
चेन्नई Chennai 600 023.
फोन Phone: 26741701

No.E/E.216/I/Genl./In-plant/Vol.XIII

Date 29/03.2019.

TO WHOM SOEVER IT MAY CONCERN

This is to certify that **Mr. K. HARIKIRAN RAO, Reg. No.311515105303,**
Final year B.E. (Electrical & Electronics Engineering) student of M/s. Meenakshi
Sundarajan Engineering College, 363, Arcot Road, Kodambakkam, Chennai 600
024, has undergone Project Work of **"BATTERY CONVERTER WITH
REGENERATIVE MODE AND AUTO CUT OFF"** at this organisation from
02.01.2019 to 28.02.2019, has successfully completed on 28.02.2019.


(C. M. Murali) 29/3/19
Executive Elec. Engineer/CW
for Dy. Chief Elec. Engineer/CW,
Perambur, Chennai 600 023.



दक्षिणी रेलवे SOUTHERN RAILWAY

उप मुख्य विद्युत अभियंता के कार्यालय
Office of the Dy. Chief Electrical Engineer,
कैरिज वर्क्स, पेरांबूर Carriage Works, Perambur,
चेन्नई Chennai 600 023.
फोन Phone: 26741701

No.E/E.216/I/Genl./In-plant/Vol.XIII

Date: 29.03.2019.

TO WHOM SOEVER IT MAY CONCERN

This is to certify that **Ms. J. SRIDEV, Reg. No.311515105054**, Final year B.E. (Electrical & Electronics Engineering) student of M/s. Meenakshi Sundarajan Engineering College, 363, Arcot Road, Kodambakkam, Chennai 600 024, has undergone Project Work of **"BATTERY CONVERTER WITH REGENERATIVE MODE AND AUTO CUT OFF"** at this organisation from **02.01.2019** to **28.02.2019**, has successfully completed on 28.02.2019.


(C. M. Murali) 29/3/19

Executive Elec. Engineer/CW
for Dy. Chief Elec. Engineer/CW,
Perambur, Chennai 600 023.



March 26, 2019
Chennai 600100

To whom it may concern

This is to certify that Mr. **M. Harikrishnan**, Register No. 311515105026, B.E (Electrical & Electronics Engineering) (4th Year) studying at **Meenakshi Sundararajan Engineering College, Chennai** has completed the following project in our organization which is a partial fulfillment of his studies.


Duration: 21-Dec-2018 to 22-Mar-2019.

Name of the Project: Adaptive Lane and Sign Detection for Advanced Driver Assistance System

Project Guide: Srimurugan T - Principal Engineer

We wish all the best in his future endeavors.

For JASMIN INFOTECH PVT. LTD.,


26/03/2019

Karunanidhi E
Manager – Human Resources

March 26, 2019
Chennai 600100

To whom it may concern

This is to certify that Mr. S. Santhoseraaj, Register No.311515105051, B.E (Electrical & Electronics Engineering) (4th Year) studying at Meenakshi Sundararajan Engineering College, Chennai has completed the following project in our organization which is a partial fulfillment of his studies.


Duration: 21-Dec-2018 to 22-Mar-2019.

Name of the Project: Adaptive Lane and Sign Detection for Advanced Driver Assistance System

Project Guide: Srimurugan T - Principal Engineer

We wish all the best in his future endeavors.

For JASMIN INFOTECH PVT. LTD.,


26/03/2019

Karunanidhi E
Manager – Human Resources

चेन्नै पेट्रोलियम कॉर्पोरेशन लिमिटेड

(इंडियन ऑयल की ग्रुप कम्पनी)

Chennai Petroleum Corporation Limited

(A group company of IndianOil)

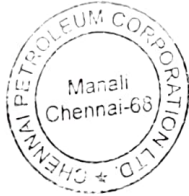


CERTIFICATE

This is to certify that **Mr. BASKAR N**, a student of Final Year **B.E (ELECTRICAL AND ELECTRONICS ENGINEERING)**, **MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE, CHENNAI**, has completed the Project on **"PLC BASED LOAD SHEDDING FOR MOTOR CONTROL CENTER"** in **MAINTENANCE DEPARTMENT** of our organization during the period from **07/01/2019 to 29/01/2019**.

During the above training period, his character and conduct were excellent.

We wish him all success in his future endeavour.



(K. MAHENDRAN)
CHIEF MANAGER (TRAINING & GA)

के. महेन्द्रन / K. MAHENDRAN
मुख्य प्रबंधक (प्रशिक्षण & सामान्य प्रशा.)
Chief Manager (Trg. & General Admn.)
सी पी सी एल / CPCL, चेन्नै / Chennai-68

CERTIFICATE

This is to certify that **Mr. MOHAMMED SALMAN A**, a student of Final Year **B.E**
(**ELECTRICAL AND ELECTRONICS ENGINEERING**), **MEENAKSHI**
SUNDARARAJAN ENGINEERING COLLEGE, CHENNAI, has completed the
Project on "**PLC BASED LOAD SHEDDING FOR MOTOR CONTROL CENTER**"
in **MAINTENANCE DEPARTMENT** of our organization during the period from
07/01/2019 to 29/01/2019.

During the above training period, his character and conduct were excellent.

We wish him all success in his future endeavour.



(**K. MAHENDRAN**)
CHIEF MANAGER (TRAINING & GA)

के. महेंद्रन / **K. MAHENDRAN**
मुख्य प्रबंधक (प्रशिक्षण & सामान्य प्रशा.)
Chief Manager (Trg. & General Admn.)
सी पी सी एल / CPCL, चेन्नै / Chennai-68

CERTIFICATE

This is to certify that **Mr.NALURUTHRAN V A**, a student of Final Year **B.E**
(**ELECTRICAL AND ELECTRONICS ENGINEERING**), **MEENAKSHI**
SUNDARARAJAN ENGINEERING COLLEGE, CHENNAI, has completed the
Project on "**PLC BASED LOAD SHEDDING FOR MOTOR CONTROL CENTER**"
in **MAINTENANCE DEPARTMENT** of our organization during the period from
07/01/2019 to 29/01/2019.

During the above training period, his character and conduct were excellent.

We wish him all success in his future endeavour.



(K.MAHENDRAN)
CHIEF MANAGER (TRAINING & GA)

के. महेन्द्रन / K. MAHENDRAN
मुख्य प्रबंधक (प्रशिक्षण & सामान्य प्रशा.)
Chief Manager (Trg. & General Admn.)
सी पी सी एल / CPCL, चेन्नै / Chennai-68

CERTIFICATE

Name : K.PRAVEEN KUMAR
Registration No : 311515105041
Degree & Department : B.E-EEE / Final Year
College : MEENAKSHI SUNDARARAJAN
ENGINEERING COLLEGE
Program : Project Training
Project Title : Traffic Light Control Based on Density
Using PLC
Duration : From-(04/Feb/2019) To-(16/Mar/2019)
Conduct & Character : Good

We wish him all success in his future endeavors.

Date: 25.03.2019



C.Lalit

Developer (Training & RND)

CERTIFICATE

Name : E.BALAJI
Registration No : 311515105012
Degree & Department : B.E-EEE / Final Year
College : MEENAKSHI SUNDARARAJAN
ENGINEERING COLLEGE
Program : Project Training
Project Title : Traffic Light Control Based on Density
Using PLC
Duration : From-(04/Feb/2019) To-(16/Mar/2019)
Conduct & Character : Good

We wish him all success in his future endeavors.

Date: 25.03.2019



C.Lalit

Developer (Training & RND)

**BSNL***Connecting India
Faster***BHARAT SANCHAR NIGAM LIMITED**

(A Govt. of India Enterprise)

Rajiv Gandhi Memorial Telecom Training Centre**Tamilnadu Circle, Chennai - 600 016.****CERTIFICATE****R.DIVYA SRI, BE (EEE)***This is to certify that Mr /Ms.....***MEENAKSHI SUNDARAJAN ENGINEERING COLLEGE ,***..... studying / working in*
kodambakkam*has successfully completed*
Project on 'Design of Energy Efficient Street Light Fault Monitoring System Using GSM Networks'*during the period*
JAN2019-MAR2019*His/Her performance during the period is*
Excellent**Place : Chennai-16.****Date : 14-03-2019****Principal
RGM TTC, BSNL**

**BHARAT SANCHAR NIGAM LIMITED**

(A Govt. of India Enterprise)

Rajiv Gandhi Memorial Telecom Training Centre

Tamilnadu Circle, Chennai - 600 016.

CERTIFICATE**K.HINDUSRI, BE (EEE)***This is to certify that Mr /Ms.....***MEENAKSHI SUNDARAJAN ENGINEERING COLLEGE ,***..... studying / working in***kodambakkam***has successfully completed* **Project on 'Design of Energy Efficient Street Light Fault Monitoring System Using GSM****Networks'***during the period* **JAN2019-MAR2019***His/Her performance during the period is* **Excellent****Principal
RGM TTC, BSNL****Place : Chennai-16.****Date : 14-03-2019**

**BSNL***Connecting India
Faster***BHARAT SANCHAR NIGAM LIMITED**

(A Govt. of India Enterprise)

Rajiv Gandhi Memorial Telecom Training Centre**Tamilnadu Circle, Chennai - 600 016.****CERTIFICATE****M.PREETHI, BE (EEE)***This is to certify that Mr /Ms.....***MEENAKSHI SUNDARAJAN ENGINEERING COLLEGE ,***..... studying / working in***kodambakkam***has successfully completed***Project on 'Design of Energy Efficient Street Light Fault Monitoring System Using GSM****Networks'***during the period***JAN2019-MAR2019****Excellent***His/Her performance during the period is***Place : Chennai-16.****Date : 14-03-2019****Principal****RGM TTC, BSNL**

RBL/PHR/TRG/0002/2019

17th Jan 2019

TO WHOMSOEVER IT MAY CONCERN

*This is to certify that **Mr. P.J. Raahul** Student of **B.E. (EEE)** from **Meenakshi Sundararajan Engineering College** has undergone his **Project Work** from 18.12.2018 to 11.01.2019.*

We wish him all the best in his future endeavors.

For Rane Brake Lining Limited



M. Inbarasan,
Asst. Manager - PHR

RBL/PHR/TRG/0001/2019

17th Jan 2019

TO WHOMSOEVER IT MAY CONCERN

*This is to certify that **Mr. S.R. Jagan Mukesh** Student of **B.E. (EEE)** from **Meenakshi Sundararajan Engineering College** has undergone his **Project Work** from 18.12.2018 to 11.01.2019.*

We wish him all the best in his future endeavors.

For Rane Brake Lining Limited



**M. Inbarasan,
Asst. Manager - PHR**

RBL/PHR/TRG/0003/2019

17th Jan 2019

TO WHOMSOEVER IT MAY CONCERN

*This is to certify that **Mr. B. Saipratheep** Student of **B.E. (EEE)** from **Meenakshi Sundararajan Engineering College** has undergone his **Project Work** from 18.12.2018 to 11.01.2019.*

We wish him all the best in his future endeavors.

For Rane Brake Lining Limited



**M. Inbarasan,
Asst. Manager - PHR**

TRANSPORT

India

SF No. 41/1 B1 and 41/2-A
Kangeyampalayam Village
Sulur Taluk
Coimbatore - 641 401 (India)
Tel : +91 422 6660 700/777
www.alstom.com/india

ALSTOM

Ref : ATIL / Trg.Cert./2019 Jan 003
Date : Jan 09, 2019

CERTIFICATE

This is to certify that Mr. S Adithya (311515105002), Final Year B E EEE student from Meenakshi Sundararajan Engineering College, Chennai, Tamilnadu has successfully undergone internship from 17th December 2018 to 07th January 2019 at our manufacturing facility and submitted project titled "Automatic Cable Scan Testing & Traction Converter Functional Testing".

We wish him all the best in his future endeavors.

For **ALSTOM Transport India Limited**


Gautham VETRIVEL
Site HR Manager

SF No. 41/1 B1 and 41/2 A
Kangeyampalayam Village
Sulur Taluk
Coimbatore - 641 401 (India)
Tel : +91 422 6660 700/777
www.alstom.com/india

Ref : ATIL / Trg.Cert./2019 Jan 002
Date : Jan 09, 2019

CERTIFICATE

This is to certify that Mr. R Deepak Bharadwaj (311515105018), Final Year B E EEE student from Meenakshi Sundararajan Engineering College, Chennai, Tamilnadu has successfully undergone internship from 17th December 2018 to 07th January 2019 at our manufacturing facility and submitted project titled "Automatic Cable Scan Testing & Traction Converter Functional Testing".

We wish him all the best in his future endeavors.

For ALSTOM Transport India Limited


Gautham VETRIVEL
Site HR Manager

TRANSPORT

India

SF No. 41/1 B1 and 41/2-A
Kangeyampalayam Village
Sulur Taluk
Coimbatore - 641 401 (India)
Tel : +91 422 6660 700/777
www.alstom.com/india

ALSTOM

Ref : ATIL / Trg.Cert./2019 Jan 001
Date : Jan 09, 2019

CERTIFICATE

This is to certify that Mr. K Sai Vignesh (311515105050), Final Year B E EEE student from Meenakshi Sundararajan Engineering College, Chennai, Tamilnadu has successfully undergone internship from 17th December 2018 to 07th January 2019 at our manufacturing facility and submitted project titled "Automatic Cable Scan Testing & Traction Converter Functional Testing".

We wish him all the best in his future endeavors.

For **ALSTOM Transport India Limited**


Gautham VETRIVEL
Site HR Manager

AAD/CL/13028/18-19

30/01/2019

To

The Head of Department,
Department of Information Technology,
Meenakshi Sundararajan Engineering College,
Kodambakkam,
Chennai-600 024.

Respected Sir/Madam,

Sub: PROJECT CONFIRMATION CERTIFICATE

This is to certify that following students of **B.TECH (IT) of MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE** is accepted to do their Final year Project entitled "**OPTIMIZED CROP RECOMMENDATION FOR SOIL CLASSIFICATION USING MINING ALGORITHM**" during the period from January 2019 to April 2019 in our Company.

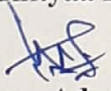
1) Ms. C. SIVA PREETHA

REG: 311515205049

2) Ms. R.D. SWETHA

REG: 311515205054

For Aadhityaa Infomedia Technologies,



Manager - Administration.



ISO 9001 : 2008
BY AIAO - BAR



ISO / IEC 20000
BY ASCB(E)



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"BHARTHIYA UDYOG
RATAN" - AWARDED

AAD/CL/13028/18-19

10/01/2019

To

The Head of Department,
Department of Information Technology,
Meenakshi Sundararajan Engineering College,
Kodambakkam,
Chennai - 600 024.

Respected Sir/Madam,

Sub: PROJECT CONFIRMATION CERTIFICATE

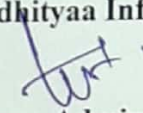
This is to certify that following students of **B.Tech., (Information Technology)** of **MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE** is accepted to do their final year project entitled "**ANDROID BASED PUBLIC USAGE WITH OPTIMIZED FOOD DELIVERY AND PUBLIC TRANSPORTATION AS MEDIUM SPATIAL CROWDSOURCING**" during the period from January 2019 to March 2019 in our Company.

1. T.E. BALAMURUGAN
2. M. BHARATH

REG.NO: 311515205010

REG.NO: 311515205011

For Aadhityaa Infomedia Technologies,


Manager - Administration.



ISO 9001 : 2008
BY AIAO - BAR



ISO / IEC 20000
BY ASCB(E)



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RATAN" - AWARDED



Our Passion Is Our Profession

EMBSYS TECHNOLOGY

Date: 10/01/2019

TO WHOMSOEVER IT MAY CONCERN

PROJECT CONFIRMATION LETTER

Subject: Regarding Final year project.

Respected Sir,

Greetings. The following students of your college studying final year B.Tech-IT will be undertaking a project work in our company, with our guidance. Hence they already approached us and enrolled their names from our Network security domain.

Project Title: Filtering and Blocking the unauthorized websites by intelligent system based on text mining

List of Students:

1. B. Bhavani (Reg. No: 311515205012)
2. L. Priyadarshini (Reg. No: 311515205301)

Thanking you,

EMBSYS TECHNOLOGY
No.15, Krishna Nagar, Kamaraj Salai,
Virugambakkam, Chennai - 600 092.
Ph: 044-23776711
For Embsys Technologies



No.15, Krishna Nagar, Kamaraj Salai, Virugambakkam, Chennai - 600 092.

Ph : 044-23776711 Mobile : 09677004618 E-mail : embsys technology@gmail.com, contact@embsys technology.com

Website : www.embsys technology.com



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IT SERVICES TECHNOLOGY CONSULTING

9

Date - 08/01/2019

Subject: **Project Internship Training Acceptance Letter**

Dear Sir/Madam,

We thank you for your letter regarding Project Internship Training. We are happy to offer Internship Training Program to the following student of Final Year B.Tech - Information Technology Meenakshi sundararajan Engineering College, Chennai at **Java - Technology** in our Organization for duration starts from (**Jan 2019 to Mar 2019**).

Student Selected for Internships:

1. Dhivya S (Reg No: 311515205013)
2. Harini S. Pathak(Reg No: 311515205018)

For **DLK TECHNOLOGIES PVT LTD**



HR Manager

Door No. 68 & 70, Ground Floor, 174, Raahat Plaza, (Opp. Vijaya Hospital), Vadapalani, Chennai-600 026.Tamilnadu, INDIA.
www.dlktech.co.in | Ph : 044-4203 2818 | E-mail : info@dlktech.co.in



STIGMATATM
TECHNO SOLUTIONS LLP

The Way To Go

19/1/2019

PROJECT INTERNSHIP ACCEPTANCE LETTER

To,
The head of the Department,
Department of Information and Technology,
Kodambakkam, Chennai - 600024

TO WHOM IT MAY CONCERN

We hereby inform that **Mr. Dinesh.D (Reg.No: 311515205014)** and **Mr.Rohit.N (Reg.No: 311515205040)** doing their final year **B.Tech - Information and Technology** at **Meenakshi Sundararajan Engineering College** doing their project titled "**Securing coding-based cloud storage against pollution attacks**" in our organization from January 2019 to April 2019.

We wish them all the best for the successful completion of their academic project.

For **STIGMATA TECHNO SOLUTIONS LLP**

CHIEF EXECUTIVE OFFICER

**STIGMATA TECHNO SOLUTIONS LLP
CHENNAI**

LLP No - L01546746



Our Passion Is Our Profession

EMBSYS TECHNOLOGY

Date: 10/01/2019

TO WHOMSOEVER IT MAY CONCERN

PROJECT CONFIRMATION LETTER

Subject: Regarding Final year project.

Respected Sir,

Greetings. The following students of your college studying final year B.Tech-IT will be undertaking a project work in our company, with our guidance. Hence they already approached us and enrolled their names from our Data mining domain.

Project Title: Data analysis from news and social networking services

List of Students:

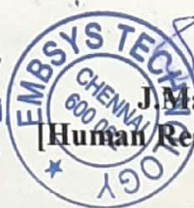
1. AR. NEELAVATHI (Reg. No: 311515205031)
2. E. POOVIZHI (Reg. No: 311515205034)

Thanking you,

Yours faithfully,

For Embsys Technology

EMBSYS TECHNOLOGY
No.15, Krishna Nagar, Kamaraj Salai
Virugambakkam, Chennai - 600 092.
Ph: 044-23776711



J. Marudevi
[Human Resource Manager]

No.15, Krishna Nagar, Kamaraj Salai, Virugambakkam, Chennai - 600 092.

Ph : 044-23776711 Mobile : 09677004618 E-mail : embsys technology@gmail.com, contact@embsys technology.com

Website : www.embsys technology.com

AAD/CL/13028/18-19

18/01/2019

To

The Head of Department,
Department of Information Technology,
Meenakshi Sundararajan Engineering College,
Kodambakkam,
Chennai-600 024.

Respected Sir/Madam,

Sub: PROJECT CONFIRMATION CERTIFICATE

This is to certify that following students of **B.TECH (IT) of MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE** is accepted to do their Final year Project entitled "**EFFECTIVE IN HOUSE VOTING AND VERIFICATION USING BLOCK CHAIN IMPLEMENTATION**" during the period from January 2019 to April 2019 in our Company.

1) Mr. R. PRASHANTH

REG: 311515205036

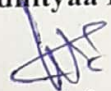
2) Mr. S. PRADEEP KUMAR

REG: 311515205035

3) Mr. J. SESHATHIRI

REG: 311515205043

For Aadhityaa Infomedia Technologies,


Manager - Administration.



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BY ASCB(E)



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CONFIRMATION LETTER

To Whomsoever It May Concern

Name of The Student	Reg No	Deg/Dept
JEYASURYA.S	311515205021	B.Tech (IT)
LAVANYA.M	311515205027	B.Tech (IT)

This is to certify the students mentioned above from " **MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE** " will be undergoing the project in our concern in our concern in the title " **Authentication Of Decentralized Data Access Control Using Block Chain**".



For Vedha Technologies,


HR MANAGER

No.16, Mothilal Street (Opp. Renganathan Street), T.Nagar, Chennai - 600 017. Ph: 044 - 42178071, Cell : 95 00 11 33 33.

Web : www.vedha.in, hr@vedha.in



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12/01/2019
CHN PUS0901TN2012PTC085917

BONAFIDE CERTIFICATE

This is to certify that the following student of **Meenakshi Sundararajan Engineering College** are doing a Project on “**Android Automatic Collection System Using QR Code to Measure Public Transport Performance: Data Capture and Analysis**” in our organization from the period of Dec 2018 to April 2019.

Schedule:

Working Days: 11.00 a.m to 03.00 p.m (Monday, Tuesday, Wednesday)

Other Holidays: 11.00 a.m to 03.00 p.m (Sunday)

Student Information:

A.K.Sweatha (311515205053), Final Year- B.TECH(IT)

S.Lakshmi Priya (311515205026), Final Year- B.TECH(IT)

For Pantech Pro Ed Pvt Ltd.,

Authorized Signatory.

Pantech ProEd Private Ltd

26, II Floor, Kota Sreenivasaya Chariteis, Ramanuja Kudam Building, Duraisamy Road, Canara Bank Upstairs, T.Nagar, Chennai - 600017.

Phone : 044 - 42606450 / 6470, E-mail: chennai@pantechmail.com, www.pantechproed.com

Tamilnadu | Maharashtra | Telangana | Andra Pradesh | Kerala



Date: 10/01/2019

TO WHOMSOEVER IT MAY CONCERN

PROJECT CONFIRMATION LETTER

Subject: Regarding Final year project.

Respected Sir,

Greetings. The following students of your college studying final year B.Tech-IT will be undertaking a project work in our company, with our guidance. Hence they already approached us and enrolled their names from our data security domain.

Project Title: ATTRIBUTE BASED PROXY RE-ENCRYPTION METHOD IN BANKING PLATFORM

List of Students:

1. R. NIVETHA (Reg. No: 311515205032)
2. L. SOUNDARYA (Reg. No: 311515205050)

Thanking you,

Yours faithfully,

For Iologix Automation Solutions



R.Karthik

[ASSISTANT MANAGER HR]

IOLOGIX AUTOMATION SOLUTIONS

No. 202, H.No:23/1, Second Floor, Alagirinagar 5th street, Vadapalani, Chennai -600026, Tamil Nadu, India.
Tel: +91 9677318750, Email: jayakumar@iologixas.com, Web: www.iologixas.com



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CIN: 281920112012PTC085917

CONFIRMATION CERTIFICATE

To

Head of the Department,

Dept of Information Technology,

Meenakshi Sundararajan Engineering College,

Kodambakkam, Chennai 600024

Respected Mam,

Sub: Regarding Project Confirmation

This is to certify that the following students **Ms.Nivetha Samraj (311515205033)** and **Ms. S.Vedhapriya (311515205056)** studying final year **B Tech IT**, from Meenakshi Sundararajan Engineering College, are pursuing a Project on **"Realization of location based services in public crowded areas"** under IOT in our organization for a duration from January 2019 to March 2019.

During the course of the Project, it is mandatory that they maintain 100% attendance for the smooth progress of the project.

For PANTECH

HR Manager



Pantech ProEd Private Ltd

26, II Floor, Kota Sreenivasaya Chariteis, Ramanuja Kudam Building, Duraisamy Road, Canara Bank Upstairs, T.Nagar, Chennai - 600017.

Phone : 044 - 42606450 / 6470, E-mail: chennai@pantechmail.com, www.pantechproed.com

Tamilnadu | Maharashtra | Telangana | Andra Pradesh | Kerala

Date: 27 Mar 2019

Sub: Project Completion Certificate

TO WHOMSOEVER IT MAY CONCERN

This is to Certify that **Mr. Arjun Viswanath M** (REG NO : 311515205008)
B.Tech(Information Technology) Final Year Student of **Meenakshi
Sundararajan Engineering College, Chennai** has Successfully Completed him
Project Work in **Bigdata – Domain** in our organization for the period from
(**1/12/2018 to 3/3/2019**)

**Project Title: Predicting Crimes Based On Weather Forecast Using Spark
Python Jupyter**

We wish him all the best in his future endeavors.

For **DLK CAREER DEVELOPMENT**



HR Manager

Date: 27 Mar 2019

Sub: Project Completion Certificate

TO WHOMSOEVER IT MAY CONCERN

This is to Certify that **Mr. Mohan Kumar K** (REG NO : 311515205029)
B.Tech(Information Technology) Final Year Student of **Meenakshi**
Sundararajan Engineering College, Chennai has Successfully Completed him
Project Work in **Bigdata – Domain** in our organization for the period from
(1/12/2018 to 3/3/2019)

Project Title: Predicting Crimes Based On Weather Forecast Using Spark
Python Jupyter

We wish him all the best in his future endeavors.

For **DLK CAREER DEVELOPMENT**



Date: 27 Mar 2019

Sub: Project Completion Certificate

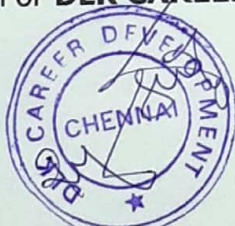
TO WHOMSOEVER IT MAY CONCERN

This is to Certify that **Mr. Natarajan G** (REG NO : 311515205030)
B.Tech(Information Technology) Final Year Student of **Meenakshi
Sundararajan Engineering College, Chennai** has Successfully Completed him
Project Work in **Bigdata – Domain** in our organization for the period from
(**1/12/2018 to 3/3/2019**)

**Project Title: Predicting Crimes Based On Weather Forecast Using Spark
Python Jupyter**

We wish him all the best in his future endeavors.

For **DLK CAREER DEVELOPMENT**



HR Manager



Date: 10/01/2019

TO WHOMSOEVER IT MAY CONCERN

PROJECT CONFIRMATION LETTER

Subject: Regarding Final year project.

Respected Sir,

Greetings. The following students of your college studying final year B.Tech-IT will be undertaking a project work in our company, with our guidance. Hence they already approached us and enrolled their names from our Network security domain.

Project Title: Secure Multi-Authority Data Access using Attribute based signcryption

List of Students:

1. E.Priyanka (Reg. No: 311515205037)
2. G.Sharmila (Reg. No: 311515205044)

Thanking you,

Yours faithfully,

For Iologix Automation Solutions



R.Karthik

[ASSISTANT MANAGER HR]

IOLOGIX AUTOMATION SOLUTIONS

No. 202, H.No:23/1, Second Floor, Alagirinagar 5th street, Vadapalani, Chennai -600026, Tamil Nadu, India.
Tel: +91 9677318750, Email: jayakumar@iologixas.com, Web: www.iologixas.com



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

363, Arcot Road, Kodambakkam, Chennai – 24

Approved by AICTE & Affiliated to Anna University

email Id: principal@msec.edu.in

Website : www.msec.edu.in

DEPARTMENT OF MECHANICAL ENGINEERING

PROJECT CLASSIFICATION (2018-2019)

S. No	Reg. No	Name	Title	Internal Guide
1	311515114001	Abinaya L	Elimination of Burr on the Inner Face of Master Cylinder	M R Seshadri
	311515114024	Kiran Kumar S		
	311515114027	Lohes Kumar G		
2	311515114002	Adithya Venkatesh	Design and Fabrication of Shielding Panel to View Bottom Side Welding in a 20 torch Welding Machine	V Meganathan
	311515114034	Niranjhani Sri M		
	311515114055	Sivaram G		
3	311515114003	Amrith M S	Design and Analysis of the Work Holding Fixture in the Shaft Bearing Test Rig	M Vadivel
	311515114010	Chaithanya Raam V		
	311515114013	Harish Balaji S		
4	311515114004	Anerudh V	Improvement of Surface Mount Technology (SMT) Line Using Witness Simulation Software	K Balasubramanian
5	311515114005	Apostle D	Deduction and Overhaul of Oil Leakage in Honing Machine	K T Ansari
	311515114029	Manikandan B		
6	311515114006	Aravinda Subramanian G	Production Capacity Improvement	M R Seshadri
	311515114009	Balaganesh M		
	311515114305	Karthie P M		
7	311515114007	Aravindh S M	Design and Fabrication of Mechanical System by Implementing Auto Ejection and Clamping Mechanism	P Jayaganesh

HOD

PRINCIPAL

MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
363, ARCOT ROAD, KODAMBAKKAM,
CHENNAI-600 024



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

363, Arcot Road, Kodambakkam, Chennai – 24

Approved by AICTE & Affiliated to Anna University

email Id: principal@msec.edu.in

Website : www.msec.edu.in

DEPARTMENT OF MECHANICAL ENGINEERING

PROJECT CLASSIFICATION (2018-2019)

S. No	Reg. No	Name	Title	Internal Guide
8	311515114008	Aravindrajan S	Process Planning Optimization of Brake Shoe Assembly Projection Welding	V Arul
	311515114038	Pranav Kanna P		
	311515114307	Nithyanandham S N		
9	311515114011	Dinesh N	Optimization of Fins in Sodium Frozen Seal Butterfly Valve	V Meganathan
10	311515114012	Dinesh V	Reuse of Ni-Mo Powder Recovered from Plasma Spray Coating Process on Piston Ring	K Iyyanar
	311515114015	Jagadeesh G		
11	311515114014	Igneshwaran A R	Design of Landing Gear Door Mechanism	A Toral
	311515114028	Maheswaran A		
	311515114030	Mohan S N		
12	311515114016	Janahiraman M	Value Analysis and Value Engineering of Air Spring Bracket	D Sreenivasan
	311515114053	Shravanth Bharadwaj C		
	311515114303	Bhalaji G R		
13	311515114017	Jawahar Raja G	Topology Optimization of Steering Knuckle for Additive Manufacturing	A Toral
	311515114018	Jeshurun Paul S		
	311515114021	Kannan M C		
14	311515114020	Kailash Krishnamoorthy	Layout Optimisation of Skid Steer Loader Assembly Line	V Arul
	311515114022	Karthik T S		
	311515114054	Shrinidhi T E		

HOD

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MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
363, ARCOT ROAD, KODAMBAKKAM,
CHENNAI-600 024



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

363, Arcot Road, Kodambakkam, Chennai – 24

Approved by AICTE & Affiliated to Anna University

email Id: principal@msec.edu.in

Website : www.msec.edu.in

DEPARTMENT OF MECHANICAL ENGINEERING

PROJECT CLASSIFICATION (2018-2019)

S. No	Reg. No	Name	Title	Internal Guide
15	311515114023	Karthikeyan A	Improvement in Yoke Pull Test Machine	D Sreenivasan
	311515114057	Veeraganesh B S		
	311515114058	Venkatesh K		
16	311515114025	Kshitij Swamy	Design and Fabrication of Exhaust System of Kitchen Waste Carbonizer	K Balasubramanian
17	311515114001	Lalithraj D	Design of Bending Fixture for Cross Lead used in Change over Selector and a Semi-Automatic Concept.	K.T. Ansari
	311515114001	Ramesh M		
	311515114001	Ram Prasanth P		
18	311515114031	Nagarogith N	Analysis of Double Pulse Welding	
	311515114035	Nirmal Kumar T		
19	311515114001	Naveenkumar S	Analysis of Bulk Material Handling System	K.T. Ansari
	311515114001	Ranjith M		
	311515114001	Vishnu R		
20	311515114033	Neil Neero A	To Design a Structure for Hydraulic Pressing and Dowelling	M Vadivel
	311515114050	Sachithanandham S		
	311515114056	Somanathan J		
21	311515114036	S.Prakash	Fluid Flow and Heat Transfer Investigation in a Microchannel Heat Sink using Plate Fins at Different Concentrations of Al ₂ O ₃ Nanofluid.	K Balasubramanian

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363, ARCOT ROAD, KODAMBAKKAM,
CHENNAI-600 024



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

363, Arcot Road, Kodambakkam, Chennai – 24

Approved by AICTE & Affiliated to Anna University

email Id: principal@msec.edu.in

Website : www.msec.edu.in

DEPARTMENT OF MECHANICAL ENGINEERING

PROJECT CLASSIFICATION (2018-2019)

S. No	Reg. No	Name	Title	Internal Guide
22	311515114311	Vijaya Kumar D	Modification of Design and Selection of Value Engineered Alternate Material for Suction Strainer in Gear Box	V Meganathan
	311515114038	Purusothaman S		
	311515114050	Sakthivel P		
23	311515114039	Raghavendra Kumar R	Implementation of Dry Leak Test in LOFH machine cell	R Shanmugam
	311515114047	Ratna Venkatesh R		
	311515114059	Venkatesh M		
24	311515114040	Rahul R	Analysis and Counteract of Defects in Orbital Tig Welding	M Vadivel
	311515114041	Rahul S		
	311515114042	Raj Mohan R		
25	311515114043	Ramachandran M	Design and Fabrication of Ball Sorting Machine	P Jayaganesh
	311515114049	Ritesh R		
	311515114052	Senthamizh Selvan T		
26	311515114048	Ravi Sankar V E	Process Parameter Optimisation of Brake Shoe Assembly in Induction Hardening	K Iyyanar
	311515114306	Lokesh S		
	311515114310	Sathiya Govarthanan K		
27	311515114301	Akashraj D	Concept of Seat Check for Better Quality	K Sridhar
	311515114302	Bargava Srinivas L		
	311515114309	Ramtilak R		
28	311515114304	Dilip K	Transmission Optimization	K Sridhar
	311515114308	Rajkumar M		
29	311515114701	Vikarant Balaji	A Data Mining Approach Towards Human Motion Classification	K Balasubramanian

HOD

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MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
363, ARCOT ROAD, KODAMBAKKAM,
CHENNAI-600 024



BHARAT HEAVY ELECTRICALS LIMITED

(A Government of India Undertaking)

Regd. Office: BHEL House, Siri Fort New Delhi -110049
High Pressure Boiler Plant, Tiruchirappalli - 620 014, INDIA
BOILER PRODUCTION / TUBULAR SHOP DEPARTMENT

CERTIFICATE

This is to certify that the project titled

DESIGN AND FABRICATION OF SHIELDING PANEL
TO VIEW BOTTOM SIDE WELDING IN A 20 TORCH
WELDING MACHINE

is a bonafide project work done by

ADITHYA VENKATESH	(311515114002)
NIRANJHANI SRI.M	(311515114034)
SIVARAM.G	(311515114055)

In the partial fulfillment of the requirement for the award of degree in Bachelor of Mechanical Engineering at Meenakshi Sundararajan engineering college (Affiliated to Anna university) Chennai-600024 during the December-January period at Unit-1 Tubular Production at BHEL, Trichy.

Under the Guidance of

SRINIVASAN
DY MANAGER
TUBULAR PRODUCTS - B
BHEL, TRICHY - 620 014

Mr. N. Srinivasan, M.TECH.
Deputy Manager

PRINCIPAL
MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
360, POCOT ROAD, KODAMBAKKAM,
CHENNAI - 600 024

Bharat Heavy Electricals Limited Trichy-14.



ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project "DESIGN AND FABRICATION OF SHIELDING PANEL TO VIEW BOTTOM SIDE WELDING IN A 20 TORCH WELDING MACHINE" is the bonafide work of "ADITHYA VENKATESH (311515114002), NIRANJHANI SRI.M (311515114034), and SIVARAM.G (311515114055)" who carried out the project work under my supervision.

SIGNATURE

Dr.K.BALASUBRAMANIAN

HEAD OF THE DEPARTMENT

MECHANICAL ENGINEERING
MEENAKSHI SUNDARARAJAN
ENGINEERING COLLEGE

NO.363, Arcot Road,
Kodambakkam, Chennai-24.



SIGNATURE

Mr.V.MEGANATHAN

ASSISTANT PROFESSOR

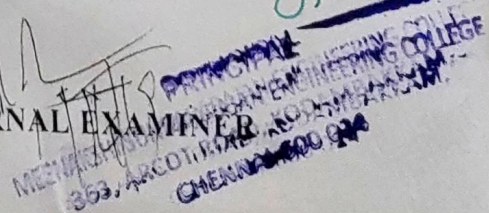
MECHANICAL ENGINEERING
MEENAKSHI SUNDARARAJAN
ENGINEERING COLLEGE

NO.363, Arcot Road,
Kodambakkam, Chennai -24.

SUBMITTED FOR THE EXAMINATION HELD ON: 1/4/2019

EXTERNAL EXAMINER

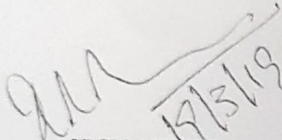
INTERNAL EXAMINER



ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report “**DESIGN AND ANALYSIS OF THE WORK HOLDING FIXTURE IN THE SHAFT BEARING TEST RIG**” is the bonafide work of “**M.S.AMRISH, V.CHAITHANYA RAAM and S.HARISH BALAJI**” who carried out the project work under my supervision.


SIGNATURE

DR.K.BALASUBRAMANIAN
HEAD OF THE DEPARTMENT

Mechanical Engineering

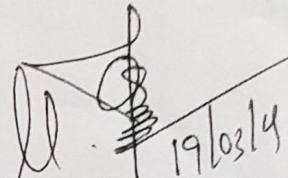
Meenakshi Sundararajan

Engineering College

Kodambakkam

Chennai 600024




SIGNATURE

Mr M.VADIVEL SHAKTHI
ASSISTANT PROFESSOR

Mechanical Engineering

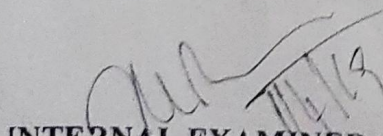
Meenakshi Sundararajan

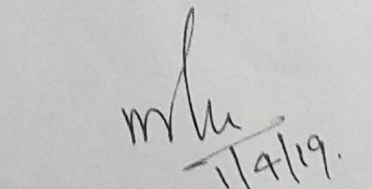
Engineering College

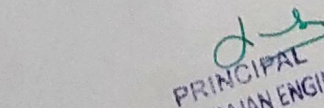
Kodambakkam

Chennai 600024

DATE: 01/04/2019


INTERNAL EXAMINER


EXTERNAL EXAMINER


PRINCIPAL
MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
363, ARCOT ROAD, KODAMBAKKAM,
CHENNAI-600 024



BHARAT HEAVY ELECTRICALS LIMITED

(A Government of India Undertaking)

BOILER AUXILIARIES PLANT

Indira Gandhi Industrial Complex

Ranipet - 632 406

CERTIFICATE

This is to certify that the following students of **B.E in Mechanical** from **MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE, CHENNAI** have completed a project titled "**DESIGN AND ANALYSIS OF THE WORK HOLDING FIXTURE IN THE SHAFT BEARING TEST RIG**" IN BHEL, RANIPET during the period from **03/12/2018** to **06/02/2019** and the Project Work done by them was found to be satisfactory.

- | | |
|-----------------------------|---------------------------------|
| 1. M S AMRISH | REGN. No. : 311515114003 |
| 2. V CHAITHANYA RAAM | REGN. No. : 311515114010 |
| 3. S HARISH BALAJI | REGN. No. : 311515114013 |

(Signature of Guide)

P.K. SHARATH CHANDRA
Deputy Manager / M & S
BAP / BHEL / RANIPET - 632 406.

(Head of HRDC)

M. KANAGARAJ
DEPUTY MANAGER / HR-WLX & TDX
BHEL / BAP / RANIPET - 632 406

For

T THIRUMOOLANATHAN
Deputy Manager / M&S
Off.& Maint. Plng.
B.H.E.L. / RANIPET

M KANAGARAJ
Deputy Manager / HR -
Welfare
B.H.E.L. / RANIPET

PRINCIPAL
MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
363, ARCOT ROAD, KODAMBAKKAM,
CHENNAI - 600 024



USM

UNIVERSITI
SAINS
MALAYSIA



Pusat Pengajian Kejuruteraan Mekanik
School of Mechanical Engineering

Kampus Kejuruteraan
(Engineering Campus)
Universiti Sains Malaysia
Seri Ampangan,
14300 Nibong Tebal,
Seberang Perai Selatan,
Pulau Pinang, Malaysia
Telefon : **604 599 6301/6304/6306/6320**
Faks : **604 599 6912**
<http://mechanical.eng.usm.my>

Jan 31, 2019

TO WHOM IT MAY CONCERN

This is to certify that Mr. Anerudh Vijayaraghavan from Meenakshi Sundararajan Engineering College, India has completed an internship under my supervision for a duration of about 6 weeks from Dec 15, 2018 to Jan 31, 2019 on his research project entitled "Analysis and optimization of surface mount technology (SMT) line using Witness Simulation Software".

Sincerely,

DR. HASNIDA BINTI AB. SAMAT
Pensyarah
Pusat Pengajian Kejuruteraan Mekanik
Universiti Sains Malaysia
Kampus Kejuruteraan

Dr. Hasnida Binti Ab Samat

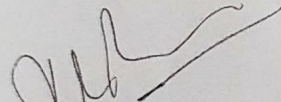
Senior Lecturer,
School of Mechanical Engineering,
Engineering Campus,
Universiti Sains Malaysia (USM)

PRINCIPAL
MEENAKSHI SUNDARAJAN ENGINEERING COLLEGE
363, ARCOT ROAD, KODAMBAKKAM,
CHENNAI-600 024



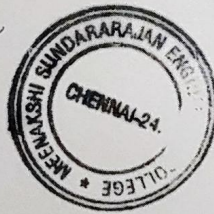
ANNA UNIVERSITY: CHENNAI 600025
BONAFIDE CERTIFICATE

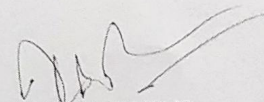
Certified that this project report “**IMPROVEMENT OF SURFACE MOUNT TECHNOLOGY (SMT) LINE USING WITNESS SIMULATION SOFTWARE**” is the bonafide work of “**ANERUDH.V (311515114004)**” who carried out project work under my supervision.


SIGNATURE

Dr. K. Balasubramanian

Head of Department,
Mechanical Engineering,
#363, Arcot Road,
Kodambakkam,
Chennai

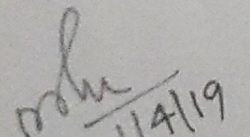


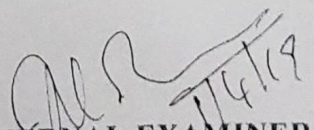

SIGNATURE

Dr. K. Balasubramanian

Supervisor,
Mechanical Engineering,
#363, Arcot Road,
Kodambakkam,
Chennai

SUBMITTED FOR THE EXAMINATION HELD ON 01/04/2019


EXTERNAL EXAMINER


INTERNAL EXAMINER


PRINCIPAL
MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
363, ARCOT ROAD, KODAMBAKKAM,
CHENNAI-600 024

**RENAULT NISSAN
AUTOMOTIVE INDIA PRIVATE LIMITED**

Factory cum Registered Office : Plot No.1, SIPCOT Industrial Park, Oragadam
Mattur (Post), Sriperumbudur, Kanchipuram District - 602 105, Tamil Nadu,
Phone : +91 44 37199999 Fax : +91 44 37196803
CIN No: U34100TN2007PTC073002 PAN No: AADCR7965B

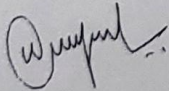
TO WHOMEVER IT MAY CONCERN

Date: 28-02-2019

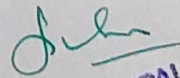
This is to certify that **Mr. D APOSTLE** – BE Mechanical Engineering from Meenakshi Sundararajan Engineering College has successfully completed his Internship Project on “**Deduction and Overhaul of Oil Leakage in Honing Machine**” at **Power Train #1 Maintenance, Cylinder Block Line** department from 07th January 2019 to 28th February 2019 under the guidance of Mr. S Dhatchinamoorthy

We wish **Mr. D APOSTLE** all the best in his future endeavors.

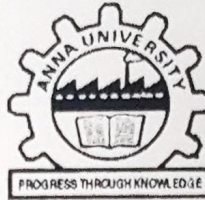
For Renault Nissan Automotive India Private Ltd



NIJIL
Human Resources



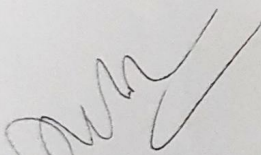
PRINCIPAL
MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
363, ARCOT ROAD, KODAMBAKKAM,
CHENNAI-600 024



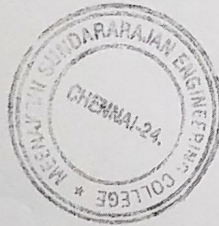
ANNA UNIVERSITY: CHENNAI 600025

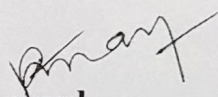
BONAFIDE CERTIFICATE

Certified that this project report “**DEDUCTION AND OVERHAUL OF OIL LEAKAGE IN HONING MACHINE**” is the bonafide work of **APOSTLE.D** (311515114005) and **MANIKANDAN.B** (311515114029)” who carried out project work under my supervision.


Dr.K.Balasubramanian

Head of the department
Department of
Mechanical engineering
Meenakshi Sundararajan Engineering
College, No.363, Arcot road,
Kodambakkam,
Chennai -600024

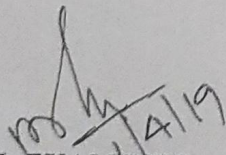


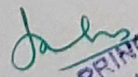

**Mr.K.Thameemul
Ansari Ameen**

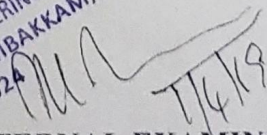
Assistant Professor
Department of
Mechanical engineering
Meenakshi Sundararajan Engineering
College, No.363, Arcot road,
Kodambakkam,
Chennai -600024

SUBMITTED FOR THE EXAMINATION HELD ON APRIL 2019

DATE: 01/04/2019


EXTERNAL EXAMINER


PRINCIPAL
MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
363, ARCOT ROAD, KODAMBAKKAM,
CHENNAI-600 024


INTERNAL EXAMINER

**RENAULT NISSAN
AUTOMOTIVE INDIA PRIVATE LIMITED**

Factory cum Registered Office : Plot No.1, SIPCOT Industrial Park, Oragadam
Mattur (Post), Sriperumbudur, Kanchipuram District - 602 105, Tamil Nadu.
Phone : +91 44 37199999 Fax : +91 44 37196803
CIN No: U34100TN2007PTC073002 PAN No: AADCR7965B

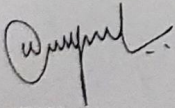
TO WHOMEVER IT MAY CONCERN

Date: 28-02-2019

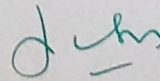
This is to certify that **Mr. B MANIKANDAN** – BE Mechanical Engineering from Meenakshi Sundararajan Engineering College has successfully completed his Internship Project on “**Deduction and Overhaul of Oil Leakage in Honing Machine**” at **Power Train #1 Maintenance, Cylinder Block Line**” department from 07th January 2019 to 28th February 2019 under the guidance of Mr. S Dhatchinamoorthy.

We wish **Mr. B MANIKANDAN** all the best in his future endeavors.

For Renault Nissan Automotive India Private Ltd



NIJIL
Human Resources



PRINCIPAL
MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
363, ARCOT ROAD, KODAMBAKKAM,
CHENNAI-600 024

भारत सरकार
परमाणु ऊर्जा विभाग

GOVERNMENT OF INDIA
DEPARTMENT OF ATOMIC ENERGY



इन्दिरा गाँधी परमाणु अनुसंधान केन्द्र
कल्पाक्कम 603 102 तमिल नाडु

INDIRA GANDHI CENTRE
FOR ATOMIC RESEARCH
KALPAKKAM 603 102 TAMILNADU

March 28, 2019

To Whomsoever It May Concern

This is to certify that Shri. Dinesh Natarajan (Reg.No:311515114011) B.Tech (Mechanical Engineering) final year student of Meenakshi Sundararajan Engineering College, Chennai, has undergone internship programme at Experimental Thermal Hydraulics Division, Fast Reactor Technology Group, Indira Gandhi Centre for Atomic Research, Kalpakkam during the period from 01/01/2019 to 22/03/2019. His project title was "OPTIMIZATION OF FINS IN SODIUM FROZEN SEAL BUTTERFLY VALVE". The student was sincere and dedicated to complete this project within the period and made a significant contribution towards our ongoing research programme. Shri. Dinesh Natarajan was very keen to know the subjects in depth and had shown special interest to the practical approach for these issues during the training period. He is a sincere and hard working person and completed all tasks within the time schedule. I wish him all the success in his future academic and professional endeavors.

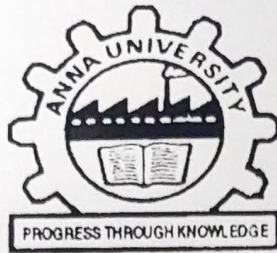
V Vinod

Head, Experimental Thermal Hydraulics Division
Fast Reactor Technology Group
Indira Gandhi Centre for Atomic Research
Kalpakkam- 603 102



वी. विनोद / V.Vinod
प्रधान / Head
प्रायोगिक तापीय द्रवविज्ञान विभाग
Experimental Thermal Hydraulics Division
घटक विकास एवं द्रवविज्ञान समूह
Components Development & Hydraulics Group
द्रव रिएक्टर प्रौद्योगिकी समूह
Fast Reactor Technology Group
इन्दिरा गाँधी परमाणु अनुसंधान केंद्र
Indira Gandhi Centre for Atomic Research
कल्पाक्कम / Kalpakkam - 603 102

PRINCIPAL
MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
363, ARCOT ROAD, KODAMBAKKAM,
CHENNAI-600 024



ANNA UNIVERSITY: CHENNAI 600025

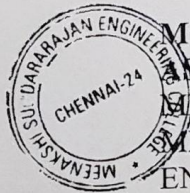
BONAFIDE CERTIFICATE

Certified that this project “OPTIMIZATION OF FIN CONFIGURATION IN SODIUM FROZEN SEAL BUTTERFLY VALVE” is the bonafide work of “N.DINESH” who carried out the project work under my supervision.

SIGNATURE

SIGNATURE

DR.K.BALASUBRAMANIAN
HEAD OF DEPARTMENT
MECHANICAL ENGINEERING
MEENAKSHI SUNDARARAJAN
ENGINEERING COLLEGE
NO.363, Arcot Road,
Kodambakkam, Chennai-24.



Mr.V.MEGANATHAN
ASSISTANT PROFESSOR
MECHANICAL ENGINEERING
MEENAKSHI SUNDARARAJAN
ENGINEERING COLLEGE
NO.363, Arcot Road,
Kodambakkam, Chennai-24.

SUBMITTED FOR THE EXAMINATION HELD ON: 01/04/2019

EXTERNAL EXAMINER

INTERNAL EXAMINER

PRINCIPAL
MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
363, ARCOT ROAD, KODAMBAKKAM,
CHENNAI-600 024



ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "VALUE ANALYSIS AND VALUE ENGINEERING OF AIR SPRING BRACKET" is the bonafide work of "JANAHIRAMAN. M (311515114016), SHRAVANTH BHARADWAJ. C (311515114053), BHALAJI. G. R (311515114303)" who carried out the project work under my supervision:

[Signature]
21/3/19

SIGNATURE

Dr. K. Balasubramanian

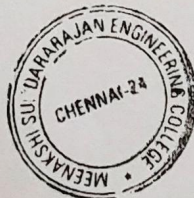
Head of Department

Department of Mechanical
Engineering

Meenakshi Sundararajan
Engineering College

No.363, Arcot Road,

Kodambakkam, Chennai-24.



[Signature]
21/3/19

SIGNATURE

Mr. D. Srinivasan

Internal Guide

Assistant Professor

Department of Mechanical
Engineering

Meenakshi Sundararajan
Engineering College

No.363, Arcot Road,

Kodambakkam, Chennai-24.

SUBMITTED FOR THE EXAMINATION HELD ON 01/04/2019 *[Signature]*

[Signature]
11/4/19

EXTERNAL EXAMINER

[Signature]
363, Arcot Road, Kodambakkam, Chennai-600 024

INTERNAL EXAMINER

PRINCIPAL
MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
363, ARCOT ROAD, KODAMBAKKAM
CHENNAI-600 024

Telephone Nos. :
Regd. Office : (044) 28522745
Factory : (044) 26234300
(044) 26258511



Telefax : 044 - 26257121
Web : www.wheelsindia.com

WHEELS INDIA LIMITED

Corporate Identity Number : L35921TN1960PLC004175

Registered Office :
21, Patullos Road, Chennai - 600 002.
PRNL/2019

Factory :
Padi, Chennai - 600 050.
04/02/2019

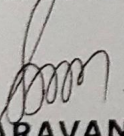
CERTIFICATE

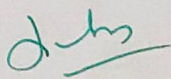
This is to certify that Mr. C.Shravanth Bharadwaj B.E (Mechanical), final year student of Meenakshi Sundararajan Engineering College, Chennai has undergone Project Work in our factory from 03.12.18 to 04.02.19.

We found him sincere in his application to the training assignment.

We wish success in all his endeavors.

For Wheels India Limited


K.SARAVANAN
Deputy Manager(Training)

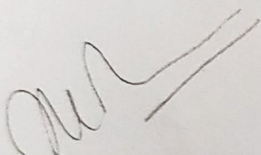

PRINCIPAL
MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
363, ARCOT ROAD, KODAMBAKKAM,
CHENNAI-600 024



ANNA UNIVERSITY : CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "IMPROVEMENT IN YOKE PULL TEST MACHINE" is the bonafide work of "KARTHIKEYAN. A (311515114023), VEERAGANESH. B. S (311515114057), VENKATESAN. K (311515114058)" who carried out the project work under my supervision.


SIGNATURE

Dr. K. Balasubramanian

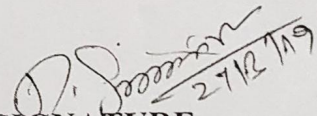
HEAD OF THE DEPARTMENT

Department of Mechanical
Engineering

Meenakshi Sundararajan
Engineering College,

No. 363, Arcot Road,
Kodambakkam, Chennai 600 024




SIGNATURE

Mr. D. Srinivasan

SUPERVISOR

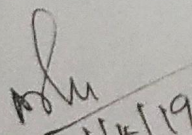
Assistant Professor

Department of Mechanical
Engineering

Meenakshi Sundararajan
Engineering College,

No. 363, Arcot Road,
Kodambakkam, Chennai 600 024

SUBMITTED FOR THE EXAMINATION HELD ON 01-04-2019


EXTERNAL EXAMINER


INTERNAL EXAMINER
PRINCIPAL
MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
363, ARCOT ROAD, KODAMBAKKAM,
CHENNAI-600 024



SUPER AUTO FORGE PRIVATE LIMITED

Specialists in : COLD FORGED PRECISION COMPONENTS

06.03.2019

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr.A.KARTHIKEYAN (Reg No:311515114023) student of B.E (Mechanical Engineering) in MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE has successfully completed his "PROJECT" titled "IMPROVEMENT IN YOKE PULL TEST MACHINE" in our Organisation between 02nd January 2019 and 05th March 2019.

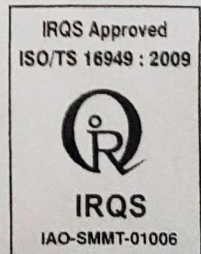
We wish him all the best in his future endeavor.

For SUPER AUTO FORGE PRIVATE LTD

[Signature]
6/3/19
ANITLS

CORP-HUMAN RESOURCES

[Signature]
PRINCIPAL
MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
363, ARCOT ROAD, KODAMBAKKAM,
CHENNAI-600 024





SUPER AUTO FORGE PRIVATE LIMITED

Specialists in : COLD FORGED PRECISION COMPONENTS

06.03.2019

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr.B.S.VEERAGANESH (Reg No:311515114057) student of B.E (Mechanical Engineering) in MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE has successfully completed his "PROJECT" titled "IMPROVEMENT IN YOKE PULL TEST MACHINE" in our Organisation between 02nd January 2019 and 05th March 2019.

We wish him all the best in his future endeavor.

For SUPER AUTO FORGE PRIVATE LTD

Anittl
6/3/19
ANITTL

CORP-HUMAN RESOURCES

Anittl
PRINCIPAL
MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
363, ARCOT ROAD, KODAMBAKKAM,
CHENNAI-600 024



EGD. OFFICE : TS-82/2, Mettu Street, Ganapathy Nagar, Ekkattuthangal, Chennai - 600 032.
CORP. OFFICE : 3/1A, Nedunkundram Village, Vandalur - Kelambakkam Road,
Kolapakkam, Chennai - 600 127 Tel : 044-4075 3600
E-mail : saf@superautoforge.net Website : www.superautoforge.net



SUPER AUTO FORGE PRIVATE LIMITED

Specialists in : COLD FORGED PRECISION COMPONENTS

06.03.2019

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr.K.VENKATESAN (Reg No:311515114058) student of B.E (Mechanical Engineering) in MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE has successfully completed his "PROJECT" titled "IMPROVEMENT IN YOKE PULL TEST MACHINE" in our Organisation between 02nd January 2019 and 05th March 2019.

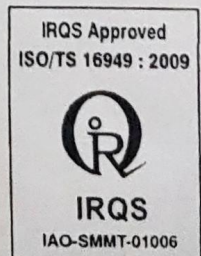
We wish him all the best in his future endeavor.

For SUPER AUTO FORGE PRIVATE LTD

Ani P. S.
13/3/19
ANIP.S

CORP-HUMAN RESOURCES

[Signature]
PRINCIPAL
MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
363, ARCOT ROAD, KODAMBAKKAM,
CHENNAI-600 024





USM UNIVERSITI
SAINS
MALAYSIA



Pusat Pengajian Kejuruteraan Mekanik
School of Mechanical Engineering

Kampus Kejuruteraan
(Engineering Campus)
Universiti Sains Malaysia
Seri Ampangan,
14300 Nibong Tebal,
Seberang Perai Selatan,
Pulau Pinang, Malaysia
Telefon : 604 599 6301/6304/6306/6320
Faks : 604 599 6912
<http://mechanical.eng.usm.my>

Jan 31, 2019

TO WHOM IT MAY CONCERN

This is to certify that Mr. Kshitij Swamy from Meenakshi Sundararajan Engineering College, India has completed an internship under my supervision for a duration of about 6 weeks from Dec 18, 2018 until Jan 31, 2019. His research project entitled "Design and Fabrication of exhaust system of Kitchen waste carbonizer".

Sincerely,

PROF. DR. ZAINAL ALIMUDDIN B. ZAINAL ALAUDDIN
Dean
School of Mechanical Engineering
Engineering Campus
Universiti Sains Malaysia
14300 Nibong Tebal, Pulau Pinang.

Professor Dr. Zainal Alimuddin
Zainal Alauddin

Head of Biomass and energy efficiency system,
School of Mechanical Engineering,
Engineering Campus,
Universiti Sains Malaysia (USM)

PRINCIPAL
MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
363, ARCOT ROAD, KODAMBAKKAM,
CHENNAI-600 024



ANNA UNIVERSITY: CHENNAI 600025

BONAFIDE CERTIFICATE

Certified that this project report “**Design and fabrication of exhaust system of Kitchen Waste Carbonizer**” is the bonafide work of “**KSHITIJ SWAMY (311515114025)**” who carried out project work under my supervision.

Dr.K.Balasubramanian

Head Of Department,
Mechanical Engineering,
#363, Arcot Road,
Kodambakkam,
Chennai



Dr.K.Balasubramanian

Supervisor
Head Of Department,
Mechanical Engineering,
#363, Arcot Road,
Kodambakkam,
Chennai

PRINCIPAL
MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
363, ARCOT ROAD, KODAMBAKKAM,
CHENNAI 600025

SUBMITTED FOR THE EXAMINATION HELD ON 02.04.2019

EXAMINER

INTERNAL

EXAMINER

EXTERNAL



ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project "ANALYSIS OF DOUBLE PULSE WELDING" is the Bonafide work of "NAGAROGITH.N (311515114031), NIRMALKUMAR.T (311515114035) "who carried out the project work under my supervision.

SIGNATURE

SIGNATURE

Dr. K. BALASUBRAMANIAN

Mr. SESHADRI

HEAD OF THE DEPARTMENT

ASST PROFESSOR

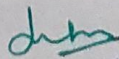
DEPT OF MECHANICAL
ENGINEERING
MEENAKSHI SUNDARARAJAN
ENGINEERING COLLEGE

DEPT OF MECHANICAL
ENGINEERING
MEENAKSHI SUNDARARAJAN
ENGINEERING COLLEGE

No.363, Arcot Road
Kodambakkam
Chennai-24.

No.363, Arcot Road
Kodambakkam
Chennai-24.

SUBMITTED FOR THE EXAMINATION HELD ON: 2/04/19



PRINCIPAL
MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
363, ARCOT ROAD, KODAMBAKKAM,
CHENNAI-600 024

EXTERNAL EXAMINER

INTERNAL EXAMINER



सवारी डिब्बा कारखाना, चेन्नै - 600038

रेल मंत्रालय की एक उत्पादन इकाई

INTEGRAL COACH FACTORY, CHENNAI - 600 038

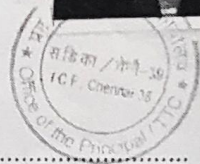
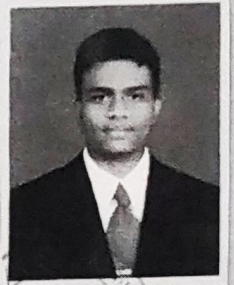
A Production Unit Under Ministry of Railways

(AN ISO: 9001, ISO:14001 AND BS : 18001 CERTIFIED PRODUCTION UNIT)



Sl.No. : M/027/2019

Date : 28-03-2019



This is to certify that Mr./Ms. NAGAROGITH N

Regn.No. 311515114031 Course B.E.

Branch MECHANICAL, IV Year, Student of

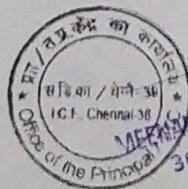
MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE CH-24,

has done a Project Work / Mini Project Work on ANALYSIS OF DOUBLE

"PULSE WELDING"

between 01.02.2019 and 5.03.2019 at Integral Coach Factory.

Project Guide



PRINCIPAL
MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
363, ARCOT ROAD, KODAMBAKKAN
CHENNAI-600 024
Principal
Technical Training Centre
ICF, Chennai-38



सवारी डिब्बा कारखाना, चेन्नै - 600 038

रेल मंत्रालय की एक उत्पादन इकाई

INTEGRAL COACH FACTORY, CHENNAI - 600 038

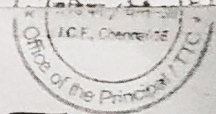
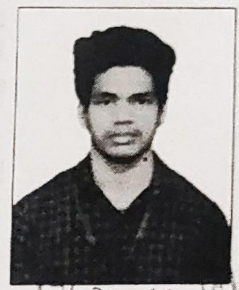
A Production Unit Under Ministry of Railways

(AN ISO: 9001, ISO:14001 AND BS : 18001 CERTIFIED PRODUCTION UNIT)



Sl.No. : M/028/2019

Date : 28-03-2019



This is to certify that Mr./Ms. NIRMAL KUMAR. T

Regn.No. 311515114035 Course B.E

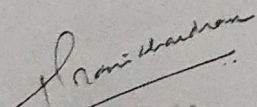
Branch MECHANICAL Year, Student of

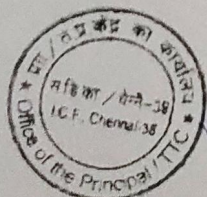
MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE,

has done a Project Work / Mini Project Work on ANALYSIS

" OF DOUBLE PULSE WELDING "

between 01-02-2019 and 05-03-2019 at Integral Coach Factory.


Project Guide




PRINCIPAL
MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
363, ARCOT ROAD, KODAVA
CHENNAI-600 038
Principal
Technical Training Centre
ICF, Chennai-38



ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report “ANALYSIS OF BULK MATERIAL HANDLING SYSTEM” is the bonafide work of “ NAVEEN KUMAR.S (311515114032), RANJITH.M (311515114046), VISHNU.R (311515114060)” who carried out the project work under my supervision.


SIGNATURE

Dr.K.BALASUBRAMANIAN

HEAD OF THE DEPARTMENT

Department of Mechanical

Engineering,

Meenakshi Sundararajan

Engineering College,

No. 363, Arcot Road,

Kodambakkam, Chennai-24.




SIGNATURE

Mr.K.THAMEEMUL ANSARI AMEEN

SUPERVISOR

Assistant Professor,

Department of Mechanical

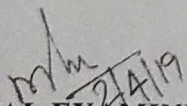
Engineering,

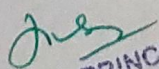
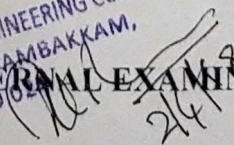
Meenakshi Sundararajan Engineering College

No. 363, Arcot Road, Kodambakkam,

Chennai-24.

SUBMITTED FOR THE EXAMINATION HELD ON 02/04/2019


EXTERNAL EXAMINER


PRINCIPAL
MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
363, ARCOT ROAD, KODAMBAKKAM,
CHENNAI-600 025
INTERNAL EXAMINER




CREATING WEALTH FOR WELL BEING

NLC INDIA LIMITED

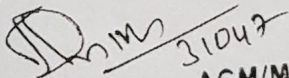
'NAVRATNA' - (A Government of India Enterprise)
NEYVELI, TAMILNADU.

CERTIFICATE

This is to certify that the Project Report entitled "ANALYSIS OF BULK MATERIAL HANDLING SYSTEM IN THERMAL POWER STATION-II NLC INDIA LIMITED" in the Bonafide Project Work done by the following students.

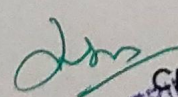
NAVEEN KUMAR S	311515114032
RANJITH M	311515114046
VISHNU R	311515114060

In partial fulfillment of the requirement for the award of Bachelor Degree in "Mechanical Engineering" from Meenakshi Sundararajan Engineering College, Chennai (Affiliated to Anna University Chennai) the Project work done during the period from 24-12-2018 to 20-01-2019 at Thermal Power Station-II, NLCI LTD., NEYVELI.


Sri. S. Padmanaban
Additional Chief Manager / LHS MTCE,
Thermal power station-II, NLCI Limited,
Neyveli.

Permitted to submit the report to College/University Authorities.

Place:
Date:


CHIEF MANAGER L&D,
Learning & Development Centre,
NLC Limited, Neyveli.

A. KATHIRVEL
CHIEF MANAGER
Learning and Development Centre
NLC Limited, Neyveli.

EASUN MR

Easun - MR Tap Changers (P) Ltd.

No: 20/5, Perumal Koil Street,
Thirubuvanai - 605 107.
Puducherry, India.

EMR/UNIT II/TBN/PDY/2019

26.03.2019

TOWHOMSOEVER IT MAY CONCERN

This is to certify that **Mr.A.NEIL NEERO** studying final year Mechanical Engineering in Meenakshi Sundararajan Engineering College, Kodambakkam, Chennai- 600025 has undergone project work on

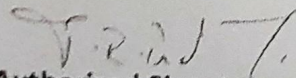
"To Design a structure for Hydraulic pressing and dowelling"

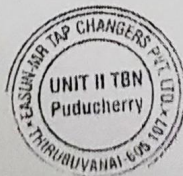
in our Company from 26.12.2018 to 16.02.2019

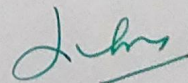
During this project period his conduct and character was good.

We wish him all success in future endeavors.

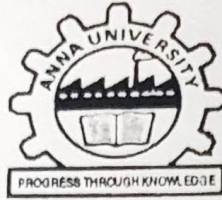
for Easun -MR Tap Changers (P) Ltd


Authorized Signatory





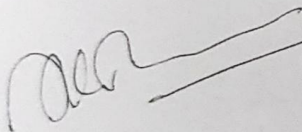
PRINCIPAL
MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
363, ARCOT ROAD, KODAMBAKKAM,
CHENNAI-600 024



ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report **“TO DESIGN A STRUCTURE FOR HYDRAULIC PRESSING AND DOWELLING”** is the bonafide work of **“NEIL NEERO.A (311515114033), SOMANATHAN.J (311515114056) SACHITHANANDHAM.S (311515114050)”** who carried out the project work under my supervision.


SIGNATURE

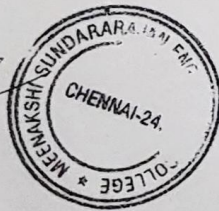
Dr. K. BALASUBRAMANIAN

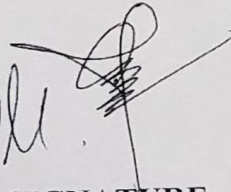
HEAD OF THE DEPARTMENT

DEPARTMENT OF MECHANICAL

**MEENAKSHI SUNDARARAJAN
ENGINEERING COLLEGE**

**No-363, Arcot Road, Kodambakkam,
Chennai- 24**




SIGNATURE

Mr. M. VADIVEL

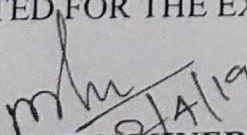
SUPERVISOR

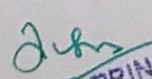
**ASSISTANT PROFESSOR
DEPARTMENT OF MECHANICAL**

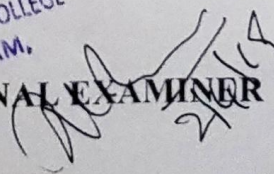
**MEENAKSHI SUNDARARAJAN
ENGINEERING COLLEGE**

**No-363, Arcot Road, Kodambakkam,
Chennai- 24**

SUBMITTED FOR THE EXAMINATION HELD ON 02/04/2019


EXTERNAL EXAMINER


**PRINCIPAL
MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
363, ARCOT ROAD, KODAMBAKKAM,
CHENNAI-600 024**


INTERNAL EXAMINER

EASUN MR

Easun - MR Tap Changers (P) Ltd

No: 20/5, Perumal Koil Street,
Thirubuvanai - 605 107.
Puducherry, India.

EMR/UNIT II/TBN/PDY/2019

26.03.2019

TOWHOMSOEVER IT MAY CONCERN

This is to certify that **Mr.S.SACHITHANANDHAM** studying final year Mechanical Engineering in Meenakshi Sundararajan Engineering College, Kodambakkam, Chennai- 600025 has undergone project work on

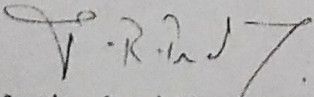
"To Design a structure for Hydraulic pressing and dowelling"

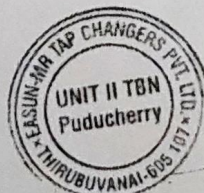
in our Company from 26.12.2018 to 16.02.2019

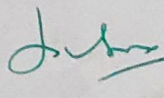
During this project period his conduct and character was good.

We wish him all success in future endeavors.

for Easun -MR Tap Changers (P) Ltd


Authorized Signatory




PRINCIPAL
MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
363, ARCOT ROAD, KODAMBAKKAM,
CHENNAI-600 024

EASUN MR

Easun - MR Tap Changers (P) Ltd

No: 20/5, Perumal Koil Street,
Thirubuvanai - 605 107.
Puducherry, India.

EMR/UNIT II/TBN/PDY/2019

26.03.2019

TOWHOMSOEVER IT MAY CONCERN

This is to certify that **Mr.J.SOMANATHAN** studying final year Mechanical Engineering in Meenakshi Sundararajan Engineering College, Kodambakkam, Chennai- 600025 has undergone project work on

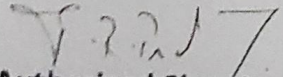
"To Design a structure for Hydraulic pressing and dowelling"

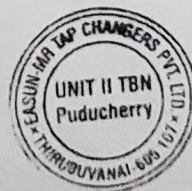
in our Company from 26.12.2018 to 16.02.2019

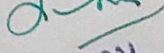
During this project period his conduct and character was good.

We wish him all success in future endeavors.

for Easun -MR Tap Changers (P) Ltd


Authorized Signatory

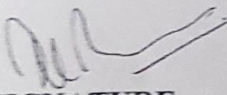



PRINCIPAL
MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
363, ARCOT ROAD, KODAMBAKKAM,
CHENNAI-600 024



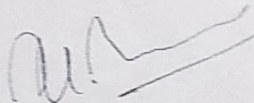
ANNA UNIVERSITY: CHENNAI 600025
BONAFIDE CERTIFICATE

Certified that this project report "FLUID FLOW AND HEAT TRANSFER INVESTIGATIONS IN A MICROCHANNEL HEAT SINK USING PLATE FINS AT DIFFERENT CONCENTRATIONS OF Al_2O_3 NANOFLUID" is the bonafide work of "PRAKASH.S (311515114036)" who carried out project work under my supervision.


SIGNATURE

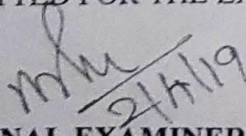
Dr. K. Balasubramanian
Head of Department
Department of Mechanical
Engineering
Meenakshi Sundararajan
Engineering College
#363, Arcot Road,
Kodambakkam,
Chennai - 600024

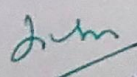



SIGNATURE

Dr. K. Balasubramanian
Supervisor
Department of Mechanical
Engineering
Meenakshi Sundararajan
Engineering College
#363, Arcot Road,
Kodambakkam,
Chennai - 600024

SUBMITTED FOR THE EXAMINATION HELD ON 02-04-2019


EXTERNAL EXAMINER


PRINCIPAL
MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
363, ARCOT ROAD, KODAMBAKKAM,
CHENNAI-600 024
INTERNAL EXAMINER



USM UNIVERSITI
SAINS
MALAYSIA



Pusat Pengajian Kejuruteraan Mekanik
School of Mechanical Engineering

Kampus Kejuruteraan
(Engineering Campus)
Universiti Sains Malaysia
Seri Ampangan
14300 Nibong Tebal,
Seberang Perai Selatan,
Pulau Pinang, Malaysia
Telefon 604 599 6301/6304/6306/6320
Faks 604 599 6912
<http://mechanical.eng.usm.my>

Feb 23, 2019

To whom it may concern,

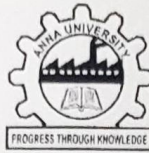
This is to certify that Mr. Prakash Sudhakar from Meenakshi Sundararajan Engineering College has completed an internship under my guidance for a period of 10 weeks from Dec 15, 2018 till Feb 23, 2019. His research project was on a topic titled "Fluid flow and heat transfer investigations in a micro channel heat sink using plate fins at different concentrations of Al_2O_3 nanofluid"

Best wishes,

Dr. Yu Kok Hwa
Lecturer
School of Mechanical Engineering
Universiti Sains Malaysia
Email yukokhwa@usm.my

DR. YU KOK HWA
Pensyarah
Pusat Pengajian Kejuruteraan Mekanik
Universiti Sains Malaysia, Kampus Kejuruteraan
No. 04-5996380

PRINCIPAL
MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
363, ARCOT ROAD, KODAMBAKKAM,
CHENNAI-600 024



ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project “**MODIFICATION OF DESIGN AND SELECTION OF VALUE ENGINEERED ALTERNATE MATERIAL FOR SUCTION STRAINER IN GEAR BOX**” is the bonafide work of “**PURUSOTHAMAN.S (311515114038), SAKTHIVEL.P(311515114051), VIJAYAKUMAR.D (311515114311)**” who carried out the project work under my supervision.

SIGNATURE

Dr. K. BALASUBRAMANIAN

HEAD OF THE DEPARTMENT

MECHANICAL ENGINEERING
MEENAKSHI SUNDARARAJAN
ENGINEERING COLLEGE

No.363, Arcot Road,
Kodambakkam,
Chennai-24.



SIGNATURE

Mr. V. MEGHANATHAN

ASSISTANT PROFESSOR

MECHANICAL ENGINEERING
MEENAKSHI SUNDARARAJAN
ENGINEERING COLLEGE

No.363, Arcot Road,
Kodambakkam,
Chennai -24.

SUBMITTED FOR THE EXAMINATION HELD ON: 02/04/2019

EXTERNAL EXAMINER

INTERNAL EXAMINER

PRINCIPAL
MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE,
363, ARCOT ROAD, KODAMBAKKAM,
CHENNAI-24

19th March 2019

TO WHOMSOEVER IT MAY CONCERN

This is to certify the below mentioned student of BE-Mechanical Engineering –IV year of Meenakshi Sundararajan Engineering College, Kodambakkam, Chennai, has done their project on “MODIFICATION OF DESIGN AND SELECTION OF VALUE ENGINEERED ALTERNATE MATERIAL FOR SUCTION STRAINER IN GEAR BOX” from 31.01.2019 to 19.03.2019.

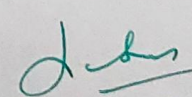
1. S.Purusothaman – (Reg No -311515114038)
2. P.Sakthivel – (Reg No -311515114051)
3. D.Vijayakumar – (Reg No - 311515114311)

For SAME DEUTZ FAHR INDIA (P) Ltd.,



A. JEYASEELAN

Manager – Human Resources



PRINCIPAL
MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
363, ARCOT ROAD, KODAMBAKKAM,
CHENNAI-600 024



Padi,
Chennai - 600 050, India
Telephone : 044-2625 8212
Fax : 044-2625 7177

Sundaram-Clayton Limited

Date: 20.03.2019

Certificate

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. Raghavendra Kumar R** (Reg no: 311515114039), BE (Mechanical) student from Meenakshi Sundararajan Engineering College, Chennai has successfully completed his project with our organization from 17.12.2018 to 17.02.2019.

Project Title:

"Implementation of dry leak test in LOFH machine cell"

We wish him all the best in all his future endeavors.

For SUNDARAM-CLAYTON LIMITED

Gomathy Sree S
Senior Executive - HR

PRINCIPAL
MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
363, ARCOT ROAD, KODAMBAKKAM,
CHENNAI-600 024



Padi
Chennai - 600 050, India
Telephone 044-2625 6212
Fax 044-2625 7177

Sundaram-Clayton Limited

Date: 20.03.2019

Certificate

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Ratna Venkatesh R (Reg no: 311515114047), BE (Mechanical) student from Meenakshi Sundararajan Engineering College, Chennai has successfully completed his project with our organization from 17.12.2018 to 17.02.2019.

Project Title:

"Implementation of dry leak test in LOFH machine cell"

We wish him all the best in all his future endeavors.

For SUNDARAM-CLAYTON LIMITED

Gomathy Sree S
Senior Executive - HR

PRINCIPAL
MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
363, ARCOT ROAD, KODAMBAKKAM,
CHENNAI-600 024



Pad:
Chennai - 600 050, India
Telephone : 044-2625 8212
Fax : 044-2625 7177

Sundaram-Clayton Limited

Date: 20.03.2019

Certificate

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. Venkatesh M (Reg no: 311515114059)**, BE (Mechanical) student from Meenakshi Sundararajan Engineering College, Chennai has successfully completed his project with our organization from **17.12.2018 to 17.02.2019**.

Project Title:

"Implementation of dry leak test in LOFH machine cell"

We wish him all the best in all his future endeavors.

For SUNDARAM-CLAYTON LIMITED

Gomathy Sree S
Senior Executive - HR

PRINCIPAL
MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
363, ARCOT ROAD, KODAMBAKKAM,
CHENNAI-600 024



ANNA UNIVERSITY: CHENNAI 600025

BONAFIDE CERTIFICATE

Certified that this project report “IMPLEMENTATION OF DRY LEAK TEST IN DCX LOFH MACHINE CELL” is the bonafide work of “R.RAGHAVENDRA KUMAR (311515114039), R.RATNA VENKATESH(311515114047),M.VENKATESH(311515114059)” who carried out project work under my supervision.


SIGNATURE

Dr.K.BALASUBRAMANIAM
HEAD OF THE DEPARTMENT.

Department of Mechanical Engineering,
#363, Arcot Road,
Kodambakkam,
Chennai



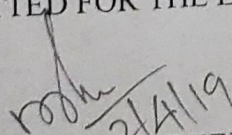

SIGNATURE

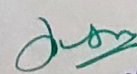
MR.R.SHANMUGAM

SUPERVISOR

Assistant professor,
Department of Mechanical Engineering,
#363, Arcot Road,
Kodambakkam,
Chennai

SUBMITTED FOR THE EXAMINATION HELD ON 2ND April 2019


EXTERNAL EXAMINER


PRINCIPAL
MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
363, ARCOT ROAD, KODAMBAKKAM,
CHENNAI-600 024
INTERNAL EXAMINER

Daimler India Commercial Vehicles Pvt. Ltd.

Dated: 01/03/2019

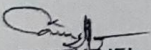
TOWHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Dilip K, who is studying B.E Mechanical Engineering in Meenakshi Sundararajan Engineering College, Anna University - Chennai, has successfully completed his Project, covering "**Transmission Flushing Optimization**", as a part of In plant training at our organization from 12-February-2019 to 01-March-2019.

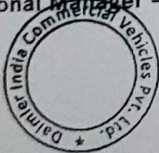
During the period of his Inplant training, his attendance, interest towards the learning, and conduct are good.

We wish him all success in his academics.

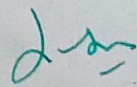
For Daimler India Commercial Vehicles Private Limited


G. SAKTHIVEL

Divisional Manager - Human Resources



Corporate Office:
Unit 201, 2nd Floor, Campus 3B,
RMZ Millennia Business Park, Dr. MGR Road, Perungudi,
Chennai - 600096,
Tamil Nadu, India
Phone: +91 44 4599 6000 | Fax: +91 44 4285 3620
www.daimler-indiacv.com


PRINCIPAL
MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
383, ARCOT ROAD, KODAMBAKKAM,
CHENNAI-600 024

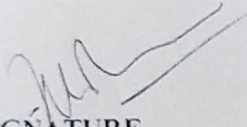
Registered Office:
SIPCOT Industrial Growth Centre, Oragadam,
Mathur Post, Sriperumbudur Taluk,
Kancheepuram District - 602 105,
Tamil Nadu, India
Phone: +91 44 4969 4000 | Fax: +91 44 4969 4881
CIN: U34200TN2007PTC072876



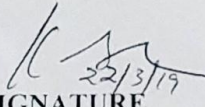
ANNA UNIVERSITY: CHENNAI 600 025

BONAFIDE CERTIFICATE

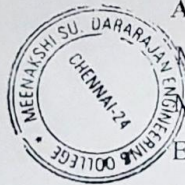
Certified that this project "TRANSMISSION FLUSHING OPTIMIZATION" is the bonafide work of "DILIP.K (311515114304) RAJKUMAR.M (311515114308)" who carried out the project work under my supervision.


SIGNATURE

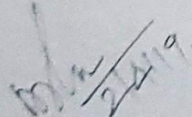
Dr. K. BALA SUBRAMANIAN
HEAD OF THE DEPARTMENT
MECHANICAL ENGINEERING
MEENAKSHI SUNDARARAJAN
ENGINEERING COLLEGE
No.363, Arcot Road,
Kodambakkam, Chennai-24

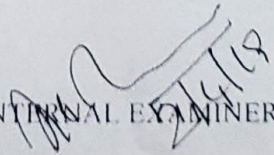

SIGNATURE

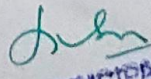
Mr. K. SRIDHAR
ASSISTANT PROFESSOR
MECHANICAL ENGINEERING
MEENAKSHI SUNDARARAJAN
ENGINEERING COLLEGE
No. 363, Arcot Road,
Kodambakkam, Chennai-24



SUBMITTED FOR THE EXAMINATION HELD ON: 02-04-2019.


INTERNAL EXAMINER


INTERNAL EXAMINER


PRINCIPAL
MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
363, ARCOT ROAD, KODAMBAKKAM,
CHENNAI-600 024

MeenakshiSundararajan
Engineering College

Kodambakkam

A Report on
An Industrial Visit to Sathanur Dam,
Tiruvannamalai.

2018 – 2019

II Year – III Semester

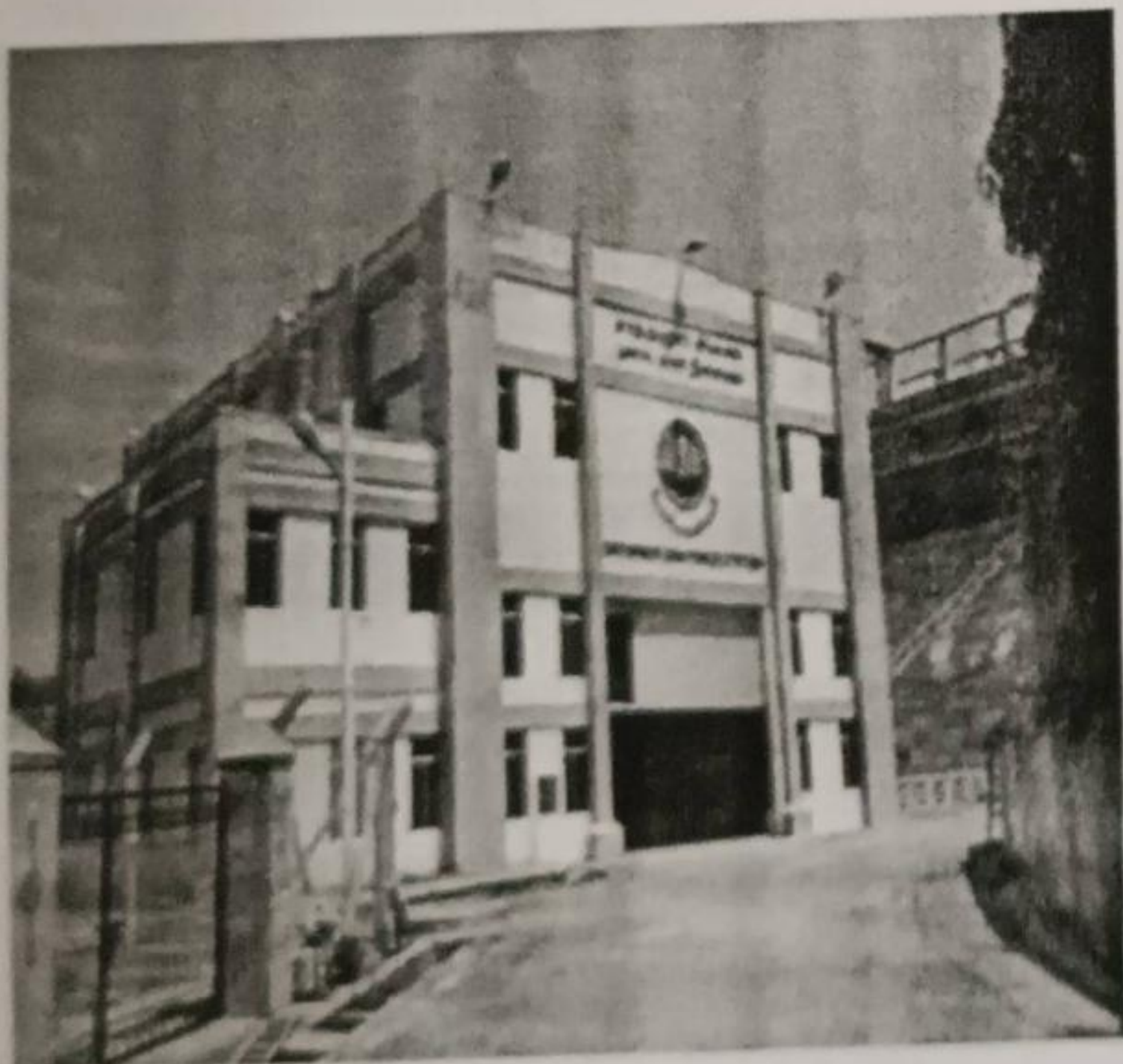
SATHANUR DAM, TIRUVANNAMALAI.





V-NOTCH

SATHANUR POWER HOUSE



CAPACITY	7.5 MW
DATE OF COMMISSIONING	10.03.1999
PRESENT STATUS	IN SERVICE
Source & Location	Source from Pennaiyar (Thenpennai) River. Located near Thiruvannamalai.

FEEDBACK

- The first industrial visit was very interesting. We got to visit Hydro power station for the first time and we learnt the working principle. We travelled through tunnels. -Pugazhnangai
- Great experience learnt a lot of new things. Visited the dam for the first time and it was excellent.-Asika
- Professors who accompanied explained us so many new things.-Vidhya
- Our first industrial visit was very productive and it was a good experience. We got to know about dam construction. We understood all the theoretical concepts practically.-Deena
- It was an amazing experience. The way the teachers guided us was good. Learnt a lot in this IV and hope this continues for successive industrial visits.-Nithyashri
- The trip to Sathanur dam, was very informative, it was a key for exploration- Kaavya Dharshini
- Industrial visit to Sathanur dam was very useful to know many information about dam construction, its purpose etc.,-N.Ezhilarasie
- IV to Sathanur dam was an unforgettable experience, based on knowledge; I earned many useful information about dam. I also wish for the next IV- A.Ginu Xavier.
- IV to Sathanur dam was very useful information to me, and I wish to expect more than one day for next IV- C.Kannappan
- The IV which we went to Sathanur dam was my best moments in my life. Very rich information gained during the IV. Looking forward for the next IV soon- S.Karthigeyan

- The IV which was visited a wonderful and good visit. I am expecting to visit the IV again soon.
- The IV visited was a good experience co-ordination and time management was also good. It will be fine if the no of days increased- K.Durai Raj
- IV to Sathanur dam was one of the good experiences. The day well spend with our class and teachers. We came to know many information which will be very useful for civil engineers- A.Bharathipriya
- The IV to Sathanur dam was useful to know structures and mechanics of dam construction and infrastructures- Henry Xavier Raj
- The IV to Sathanur dam was useful to me and I wish to go for more than one day in the next IV-Gerald Paul
- The trip to Sathanur dam was a most memorable moment and early waiting for the next IV-E.Kaviarasan
- I have learnt many unknown things there, it is very easy to understand the mechanism of dam through IV and I also need to learn many new things.
- The first IV trip was really useful and it was a good experience. It was well organized.
- The IV visit to Sathanur dam was memorable day and is very useful for studies- Kaavyasree.

Action Taken:

All the feedbacks from students were positive so we recommended this for further batches.

[Signature]

[Signature]

MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
DEPARTMENT OF CIVIL ENGINEERING

From

The 2nd year students,
Department of Civil Engineering,
Meenakshi Sundararajan Engineering College,
Chennai -24

To

The Secretary,
Meenakshi Sundararajan Engineering College,
Chennai -24

Respected Madam,

Sub : Permission to have an Industrial Visit to Sathanur Dam

We, the second year civil engineering students, have an Industrial Visit in our third semester as a part of the Anna University curriculum (R-2017). It will enable us to gain practical knowledge in the field of civil engineering as we will be able to visit the Sathanur Dam at Thiruvannamalai, Villupuram. Hence we kindly request you to grant permission to undergo the Industrial Visit on 17.08.2018.

Thanking you,

Yours Obediently,

Staff Members:

1. Mrs. Nithya
2. Mrs. U. Malini
3. Mr. S. Saravanan

V. Senthil
Anubhav
I. Anan
D. Yagnesh

MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
DEPARTMENT OF CIVIL ENGINEERING
INDUSTRIAL VISIT TO SATHANUR DAM
ATTENDANCE

Year / Sem: II / III

Date : 17/08/2018

Si.No.	REGISTER NUMBER	NAME	SIGN
1	311517103001	Abhinanda NR	<i>Abhinanda</i>
2	311517103002	Abitha S	<i>Abitha S.</i>
3	311517103003	Aravind S	<i>Aravind</i>
4	311517103005	Arjun M	<i>M. Arjun</i>
5	311517103006	Arokia Clayton Fernando A	<i>Clayton</i>
6	311517103007	Ashwin R	<i>Ashwin</i>
7	311517103008	Asika V	<i>Asika V</i>
8	311517103009	Bharathi Priya A	<i>A. Bharathi Priya</i>
9	311517103010	Deena I	<i>I. Deena</i>
10	311517103011	Durai Raj K	<i>K. Durai Raj</i>
11	311517103012	Ezhilarasie N	<i>N. Ezhilarasie</i>
12	311517103013	Gerald Paul A	<i>Gerald Paul</i>
13	311517103014	Ginu Xavier A	<i>Ginu</i>
14	311517103015	Hari Prasad K	<i>Hari Prasad K</i>
15	311517103016	Henry Xavier Raj M	<i>Henry</i>
16	311517103017	Janakiraman R	<i>Janakiraman R</i>
17	311517103018	Janaranjani S	<i>S. Janaranjani</i>
18	311517103019	Kaavya Dharshini B	<i>Kaavya Dharshini B</i>
19	311517103020	Kannappan C	<i>Kannappan C</i>
20	311517103021	Karthigeyan S	<i>S. Karthigeyan</i>
21	311517103022	Kaviarasan E	<i>E. Kaviarasan</i>
22	311517103023	Kaviya Sree G	<i>G. Kaviya Sree</i>
23	311517103024	Magesh D	<i>D. Magesh</i>
24	311517103025	Manoj S	<i>Manoj S</i>
25	311517103026	Manoj Kumar R	<i>R. Manoj Kumar</i>
26	311517103027	Mathu Nachammai N A	<i>N. A. Mathu Nachammai</i>
27	311517103028	Mohamed Vaseem K	<i>K. Mohamed Vaseem</i>
28	311517103029	Mohan Raj K	<i>K. Mohan Raj</i>

29	311517103030	Neelamegam T	
30	311517103031	Nithyasree T	
31	311517103032	Ponmanesh B	
32	311517103033	Praveen M V	
33	311517103034	Pugazhnangai T	
34	311517103035	Rajaganapathi B	
35	311517103036	Rajalakshmi S	
36	311517103037	Rakathish S	
37	311517103038	Ramkumar S	
38	311517103039	Sarankarthi V	
39	311517103040	Saravan Narayan M	
40	311517103041	Subash Chandran A	
41	311517103042	Subramanian B	
42	311517103043	Sudarshan K	
43	311517103044	Suppriya G	
44	311517103045	Thamini T	
45	311517103046	Vidhya G	
46	311517103047	Vignesh V	
47	311517103048	Vinoth Kumar P	
48	311517103049	Viyagyan D A	
49	311517103050	Yogasri N	
50	311517103301	Deepak R	
51	311517103302	Gunavendhan N	
52	311517103303	Harish S	
53	311517103304	Pragadeeswaran L	
54	311517103305	Praveen S	
55	311517103306	Purushotha Raman S	
56	311517103307	Saravanan K	
57	311517103308	Srilakshmi B	
58	311517103309	Vidhya K	
59	311517103701	Balaji V	

MEENKASHI SUNDARARAJAN ENGINEERING COLLEGE
DEPARTMENT OF INFORMATION TECHNOLOGY

INDUSTRIAL VISIT - FEEDBACK FORM

Name of Student: DURAI RAJ . k

Date: 17/8/18

Organization Visited: SATHANUR DAM, THIRUVANNAIMALAI

Your feedback is important for planning future programming. Thank you.

Q1. Was this your first Industrial Visit?

☐ Yes ☒ No

Q2. How was the learning experience at the Industrial Visit?

☐ Exceptional ☒ Very Good ☐ Good ☐ No Opinion

Q3. How likely it is for you to recommend this visit in future?

☐ Most Likely ☒ Likely ☐ Somewhat Like ☐ No Opinion

Q4. How would you rate your overall experience of the visit?

☐ Exceptional ☒ Very Good ☐ Good ☐ No Opinion

Q5. Did the Industrial Visit meet your expectations?

☒ Yes ☐ No

Q6. Was the Industrial Visit educational on grounds of your department?

☒ Yes ☐ No

Q7. Give your comment on the Industrial Visit not more than 2 sentences.

Good.

MEENKASHI SUNDARARAJAN ENGINEERING COLLEGE
DEPARTMENT OF INFORMATION TECHNOLOGY

INDUSTRIAL VISIT - FEEDBACK FORM

Name of Student: *Ginu Xavier . A*

Date: *17/8/18*

Organization Visited: *Satharum Dam, Thiruvannamalai*

Your feedback is important for planning future programming. Thank you.

Q1. Was this your first Industrial Visit?

☐ Yes ☒ No

Q2. How was the learning experience at the Industrial Visit?

☐ Exceptional ☒ Very Good ☐ Good ☐ No Opinion

Q3. How likely it is for you to recommend this visit in future?

☐ Most Likely ☒ Likely ☐ Somewhat Like ☐ No Opinion

Q4. How would you rate your overall experience of the visit?

☐ Exceptional ☒ Very Good ☐ Good ☐ No Opinion

Q5. Did the Industrial Visit meet your expectations?

☒ Yes ☐ No

Q6. Was the Industrial Visit educational on grounds of your department?

☒ Yes ☐ No

Q7. Give your comment on the Industrial Visit not more than 2 sentences.

Very Good.

MEENKASHI SUNDARARAJAN ENGINEERING COLLEGE
DEPARTMENT OF INFORMATION TECHNOLOGY

INDUSTRIAL VISIT - FEEDBACK FORM

Name of Student: *Vidhya G*
Organization Visited: *Sathanur Dam*

Date: *17/8/18*

Your feedback is important for planning future programming. Thank you.

Q1. Was this your first Industrial Visit?

☐ Yes ☒ No

Q2. How was the learning experience at the Industrial Visit?

☐ Exceptional ☒ Very Good ☐ Good ☐ No Opinion

Q3. How likely it is for you to recommend this visit in future?

☒ Most Likely ☐ Likely ☐ Somewhat Like ☐ No Opinion

Q4. How would you rate your overall experience of the visit?

☐ Exceptional ☒ Very Good ☐ Good ☐ No Opinion

Q5. Did the Industrial Visit meet your expectations?

☒ Yes ☐ No

Q6. Was the Industrial Visit educational on grounds of your department?

☒ Yes ☐ No

Q7. Give your comment on the Industrial Visit not more than 2 sentences.

Very Good -

MEENKASHI SUNDARARAJAN ENGINEERING COLLEGE
DEPARTMENT OF INFORMATION TECHNOLOGY

INDUSTRIAL VISIT - FEEDBACK FORM

Name of Student: Deena

Date: 17/8/18

Organization Visited: Sathanur Dam

Your feedback is important for planning future programming. Thank you.

Q1. Was this your first Industrial Visit?

☐ Yes ☒ No

Q2. How was the learning experience at the Industrial Visit?

☒ Exceptional ☐ Very Good ☐ Good ☐ No Opinion

Q3. How likely it is for you to recommend this visit in future?

☐ Most Likely ☒ Likely ☐ Somewhat Like ☐ No Opinion

Q4. How would you rate your overall experience of the visit?

☒ Exceptional ☐ Very Good ☐ Good ☐ No Opinion

Q5. Did the Industrial Visit meet your expectations?

☒ Yes ☐ No

Q6. Was the Industrial Visit educational on grounds of your department?

☒ Yes ☐ No

Q7. Give your comment on the Industrial Visit not more than 2 sentences.

Useful.

CTS.

04/03/19

From

CSE II year,
Meenakshi Sundararajam Engineering College
Kodambakkam
Chennai - 600024.

To

The Secretary
Meenakshi Sundararajam Engineering College
Kodambakkam
Chennai - 600024.

Respected Madam,

Sub: Requisition for Industrial Visit

As we have received a confirmation
mail from "COGNIZANT TECHNOLOGY
SOLUTIONS CORPORATION" for an Industrial
visit on 7th March '19 (07.03.19), So we
request you to kindly grant us permission for
the same.

Thank you.

Yours obediently,

SRUTI . S : *sruti*

V. SUDHIR : *V. Sudhir*

SANKAR NARAYANAN : *sankar*

R. SUVITHA : *Suvitha*

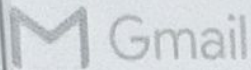
Staff Incharge:

P. REVATHI : *P. Revathi* 5/3

R. VENKATESH :

M.R. NITHYA : *M.R. Nithya* 5/3

[Signature]



Meera Madhavan <meera2000.madhavan@gmail.com>

Fwd: FW: Industrial Visit || 7th March 2019

1 message

Internal Quality Assurance Cell - MSEC <iqac@msec.edu.in>

Tue, Mar 5, 2019 at 11:12 AM

To: Meera Madhavan <meera2000.madhavan@gmail.com>, Aditya Sreeram <adityasreeram99@gmail.com>

Ramachandran Chokkalingam,
Head/Placements and Corporate Affairs,
Meenakshi Sundararajan Engineering College,
iqac@msec.edu.in | +91 9841233616

Balasundaram S
Placement Director,
iqac@msec.edu.in | +91 9840801956
www.msec.edu.in

----- Forwarded message -----

From: **Internal Quality Assurance Cell - MSEC** <iqac@msec.edu.in>

Date: Tue, Mar 5, 2019 at 10:37 AM

Subject: Fwd: FW: Industrial Visit || 7th March 2019

To: Monica J, HOD - Computer Science Engineering - Meenakshi Sundararajan Engineering College
<hod.cse@msec.edu.in>

Dear Prof,

We are glad to host the below requested Industrial Visit for students from your college on 7th March 2019. Please share the student name list in attached sheet.

Please find below the agenda.

Schedule:**Date** – 7th March 2019 (Thursday)**Reporting Time** – 10.15 am**Venue** – Cognizant Technology Solutions – Academy, Plot No H-4, Sipcot IT Park, Old Mahabalipuram Road, Siruseri, Chennai (Entrance opposite to Capegemini)**HR POC:** Anand (7358055742)**Agenda:****Welcome Address** – 10.15 am – 10.30 am

Session- 10.30 am – 12.30 am

Lunch – 12.30pm – 1.00 pm

Pointers to be shared with the All Participants:

- All the Participants are requested to be dressed in formals with their **college ID cards & one valid government id card** and behave in a well-disciplined manner.
- Participants should not enter any work cubicles/ buildings without the consent/accompaniment of the HR POC.
- Participants may carry a notepad/ pen to jot down points from the session.
- Electronic/ Storage devices such as laptop, pen drive, etc. are not permitted (Except Mob Phones)
- **Photography is strictly prohibited in the office premises.**
- Lunch & Refreshments would be provided.


Kindly reach self for any clarification.

Thanks & Regards,

Anand R

Human Resources - Talent Acquisition | Cognizant Technology Solutions

Cognizant

 **B.Tech CSE.xlsx**
13K



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
(Managed by I.I.E.T Society)
363, Arcot Road, Kodambakkam, Chennai – 24

Dr.K.S.BABAI, B.Sc., B.E. MS, Ph.D, FIE MISTE
Secretary

☎ 24801636, 24732488
Fax: 24811103

BONAFIDE CERTIFICATE

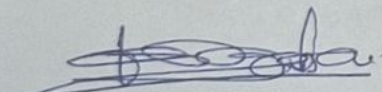
II YEAR CSE

The following are the details of the students and the faculty members who will be visiting
"COGNIZANT TECHNOLOGY SOLUTIONS" for an industrial visit on 7th March'19.

1	AJAY.B	31	PRATHIKSHA SRI S
2	ARULBALAN.A	32	PRAVEENKUMAR K
3	ASEEMA PARVEEN.A.Z	33	PRIYADHARSHINI S
4	BHARATH.R	34	RAJESHKUMAR C
5	GAYATHRI.B	35	RAJESHWARI C
7	HARIPRIYA A.	36	RAMA DEVI T
8	HARITHA R	37	RAMYA PRABHA R K
9	SANDHYA IYER N	38	REINI MAGNILDA S
10	JESINTHA PRAVEENA A	39	SAKTHE PRIYA P
11	KAMALINI S	40	SAKTHI VIGNESHWARI R
12	KAMALLI V	41	SANKAR NARAYANAN SR
13	KAVYAPRABHA S	42	SARANYA K.S.
14	KIRAN T	43	SHANMUGAPPRIYA S
15	KISHORE P	44	SNOWFIA FERNANDO J
16	KISHORE KUMAR V	45	SOWMIYA V
17	LAXMI PRASAD M	46	SRUTI S
18	MADHUMITHA P	47	SUDHIR V
19	MADHUVANA K	48	SUGANTHA PRIYAN M
20	MATHESHWER B	49	SUVITHA R
21	MEERA M	50	SWATHIYA K
22	MIRA SOWNDARYA R	51	UDAYA T
23	MOHAMED BASHEER M	52	VAISHALI R
24	MOHAMED EJAZ M	53	VIJAYALAKSHMY R
25	NANDHINI M	54	WASIM AKRAM A
26	NANDHINI R		
27	NANDHINI R G		
28	NITHYA R B		
29	PORKODI C D		
30	PRADEEP KUMAR A		

FACULTY LIST:

1. Mrs.M.R.NITHYA
2. Mr.R.VENKATESH
3. Mrs.REVATHI . P


Dr.K.S.Babai
Secretary

INDUSTRIAL VISIT REPORT

The Computer Science Engineering department of MSEC organized a one-day industrial visit to Cognizant Technology Solutions on March 7th 2019 with the prior permission from the principal. The visit was organized mainly to familiarize us with various projects of Cognizant and how computer technology plays a vital role in this present world.

A batch of 54 students of II CSE started travel at 8.30 am from the college and reached there at 10.15 am. We were taken to a seminar hall first where they gave a small introduction about their company and then a brief presentation on big data analytics and Hadoop technology was given. They divided us into three groups and conducted four events. The first event was stating present world's technology and its uses, The second one was stating ten real-time facts, The third one was designing the use case and ER model for a project, The fourth was a debate on mobile phones.

EVENT 1: TECHNOLOGY STACK

The first event was pointing out the ten technologies in the present world. The best team was evaluated according to the best application of that technology in the real world. The technologies must be stated within 30 seconds. One of the students was called and was asked to recite the list of the technology that they have found.



EVENT 2: STATING FACTS

The second event was about stating any ten world facts in the real world. The result was chosen based on the best feasible facts according to the judge



EVENT3:DESIGNING ER

The third event was designing the ER diagram or flow diagram for the given project .Every team chose the online shopping portal as the design topic and designed their flow for that application ,The result was given according to the better functionality of the design.



EVENT 4:DEBATE

The fourth event was debate on a particular topic. The groups were given three set of topic to be selected. The groups decided and chose a single topic which was technology advantages and disadvantages .People spoke on their opinion oin technology with added technological support.



We were happy to visit such a company where we learnt a lot about computer technology. The presentation which they gave was nice and we learnt a lot about its projects. We look forward to many more such visits that could give us an opportunity to know a lot about ongoing computer technology and its applications.

We thank the Management, Head of the department and faculty members who accompanied us for their guidance and support.



Mr Venkatesan

Mrs.M.R.Nithya

MrsRevathy

Faculty Coordinators



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
#363, Arcot Road, Kodambakkam, Chennai - 600024, Tamil Nadu, India
Approved by AICTE and affiliated to Anna University

Department of Computer Science & Engineering

INDUSTIAL VISIT - FEEDBACK FORM

Name of the student: AJAY B

Date: 7/3/17

Register No: 311517104001

Industry visited: CTS

Please specify your views regarding the Industrial Visit based on the categories specified. Your views and suggestions are very important and will help us while planning for further Industrial visits.

1. Was this your first Industrial Visit?
Yes ☐ No ☒
2. How was the learning experience at the Industrial visit?
Exceptional ☐ Very Good ☒ Good ☐ No opinion ☐
3. How likely it is for you to recommend this visit in future?
Most Likely ☒ Likely ☐ Somewhat ☐ No opinion ☐
4. How would you rate your overall experience of the visit?
Exceptional ☐ Very Good ☐ Good ☐ No opinion ☐
5. Did the Industrial Visit meet your expectations?
Exceptional ☒ Very Good ☐ Good ☐ No opinion ☐
6. Was the Industrial Visit educational on grounds of your department?
Exceptional ☐ Very Good ☒ Good ☐ No opinion ☐

Give your comment / suggestions on the Industrial Visit

Ajay
Signature :



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
#363, Arcot Road, Kodambakkam, Chennai – 600024, Tamil Nadu, India
Approved by AICTE and affiliated to Anna University

Department of Computer Science & Engineering

INDUSTIAL VISIT – FEEDBACK FORM

Name of the student: R MIRA SOWNDARYA

Date: 7/3/19

Register No: 311519104023

Industry visited: CTS

Please specify your views regarding the Industrial Visit based on the categories specified. Your views and suggestions are very important and will help us while planning for further Industrial visits.

1. Was this your first Industrial Visit?

Yes

☒ No

2. How was the learning experience at the Industrial visit?

Exceptional

☒ Very Good

Good

No opinion

3. How likely it is for you to recommend this visit in future?

☒ Most Likely

Likely

Somewhat

No opinion

4. How would you rate your overall experience of the visit?

☒ Exceptional

Very Good

Good

No opinion

5. Did the Industrial Visit meet your expectations?

☒ Exceptional

Very Good

Good

No opinion

6. Was the Industrial Visit educational on grounds of your department?

Exceptional

☒ Very Good

Good

No opinion

Give your comment / suggestions on the Industrial Visit

Signature : R. Sowndary

From

28.02.2019
Chennai

III CSE

Meenakshi Sundaraman Engineering College
Kodambakkam
Chennai

To

The Secretary
Meenakshi Sundaraman Engineering College
Kodambakkam
Chennai

Respected madam,

Sub: Requesting permission for the
industrial visit on 21st Feb 2019

We the students of III CSE⁽⁶³⁾ have
got the confirmation letter from Ocean
Academy, Pondicherry for an industrial
visit on 5th March 2019.

We request you humbly to grant
us permission to visit the above
mentioned day on Thursday.

We assure you mam, we will
follow the rules and regulations of
the college, imposed on us for our
betterment and obey the instructions of
the faculty in charge who will be
accompanying us for the visit

Thank you.

Yours truly

III CSE

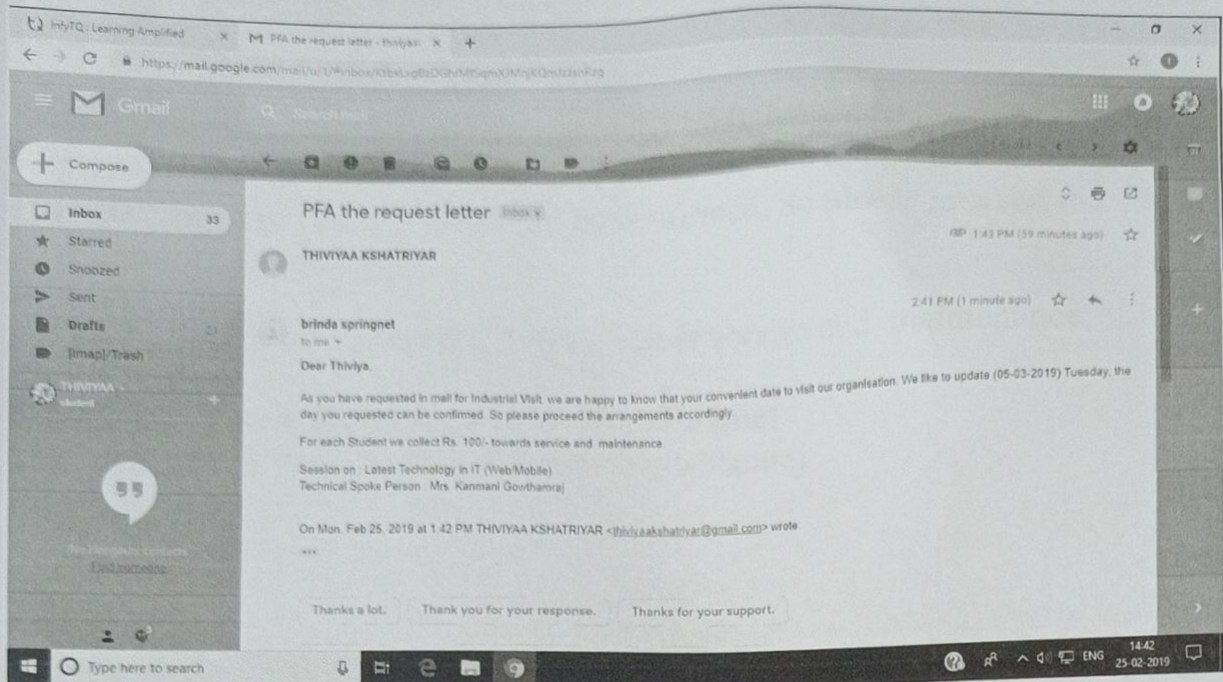
CT: Amal
28/2/19

18
28/2/19

RA

REPRESENTATIVES:

1. V. K. Senthil
2. Is. Gray
3. Alu
4. S. Thiriyaa



Dear Thiviyaa,

As you have requested in mail for Industrial Visit, we are happy to know that your convenient date to visit our organisation. We like to update (21-02-2019) Thursday, the day you requested can be confirmed. So please proceed the arrangements accordingly..

For each Student we collect Rs. 100/- towards service and maintenance.

Session on : Latest Technology in IT (Web/Mobile)
Technical Spoke Person : Mrs. Kanmani Gowthamraj

--

Thanks & Regards,

Brinda Karthik., MCA.

Training Head - Ocean Academy

No:2, Karuvadikuppam Main Road,

Muthiyalpet (Near Ginger Hotel)

Contact Desk : 0413-2238675



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

IV Year / VII Semester

(2015-2019 Batch)

INDUSTRIAL VISIT REPORT

We, the students of 3rd year, Computer Science and Engineering Department of Meenakshi Sundararajan Engineering College visited Spring Net Technologies, a company that builds websites, android/ios and works on e-commerce located at Pondicherry, on 5th March 2019. This industrial visit was taken as a part of the college co-curricular activity. We started from college at 6:45 AM. We reached the company at 11:10 AM. Firstly, we were briefed about the projects the company works on. Then, we were given an introduction to android software development.



We were explained about the creation of a page layout using xml along with the tags and attributes involved in it. We were also described the role of Java in managing and controlling android device. We were briefed about the use of manifest file and how it works as a bridge between android developer and the android platform.

We were elaborated about the same with the development of a mini android app that squares any input number. We named the app kuttyapp. Each and every step was explained in detail to us. We enjoyed choosing colours for background and buttons. We were treated in a friendly manner and the session was very interactive.



After completing the session we discussed about everything that we had learnt since morning and were amazed by how much knowledge we had gained through the course of the visit.



On the whole the visit was truly fruitful and Spring Net Technologies was indeed a suitable place for us, as computer science students to visit since they



pioneered the development of android application.

MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
ACADEMIC YEAR -18-19(EVEN) Batch-2015-2019

DATE:-5-3-19

Venue:-Ocean Academy

S.NO	NAME OF STUDENTS	TOTAL FEEDBACK
1	Abinaya P	11
2	Akash V	18
3	Akshaya A	12
4	Anjana K	17
5	Anupriya M	17
6	Deeptha G	10
7	Dhananjeyan M S	15
8	Divyabarathi D	13
9	Divyabarathi P	19
10	Divyalakshmi P	17
11	Fathima Fazeela A R	14
12	Gayathiri K	15
13	Gokul R	15
14	Gowri Shanker G	18
15	Harini Venkataramani	11
16	Keerthana N	11
17	Keerthana R	15
18	Kirthika Chandran R	11
19	Krishnika K	11
20	Kunguma Guru Deepak R	15
21	Meenakshi B	15
22	Mohana Krishnan C	14
23	Monika S	16
24	Monisha A	16
25	Muralidharan D	17
26	Naveenroy B	18
27	Nidish S	17
28	Nithya K	10
29	Pavithra R	16
30	Pradesh Nitin K	14
31	Preetha S	16
32	Priyanka I	17
33	Priyanka S	13
34	Raguram K B	6
35	Reshma R R	15
36	Rohith V	5
37	Roshan Sabeqah	12
38	Roshini S	12
39	Samyuktha S	10
40	Sangavi D	11

41	Sanjana P	11
42	Sathya Swaruban S	14
43	Sham Sundar R	14
44	Shreya N	12
45	Sivaranjani A	15
46	Sneha P	15
47	Sowmyaa T	17
48	Sridhar S	17
49	Srinidhi M S	16
50	Sripathi P	15
51	Tamothar G R	11
52	Thenisha S	14
53	Thiviyaa S	15
54	Vaishnavi D B	10
55	Vineha V S L	15
56	Vishali G	17
57	Anudeep Reddy	18
58	Bhargavi V	18
59	Hariharasudhan K	17
60	Kailash K	16
61	Kathir Jayan S	16
62	Renuka P	17
63	Sundheep M	18
AVERAGE		14.33
PERCENTAGE		71.67



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Department of Computer Science & Engineering

INDUSTIAL VISIT – FEEDBACK FORM

Name of the student: P. ABINAYA

Date: 5/5/19

Register No: 311516109001

Industry visited: Ocean Academy

Please specify your views regarding the Industrial Visit based on the categories specified. Your views and suggestions are very important and will help us while planning for further Industrial visits.

1. Was this your first Industrial Visit?

Yes

No

2. How was the learning experience at the Industrial visit?

Exceptional

Very Good

Good

No opinion

3. How likely it is for you to recommend this visit in future?

Most Likely

Likely

Somewhat

No opinion

4. How would you rate your overall experience of the visit?

Exceptional

Very Good

Good

No opinion

5. Did the Industrial Visit meet your expectations?

Exceptional

Very Good

Good

No opinion

6. Was the Industrial Visit educational on grounds of your department?

Exceptional

Very Good

Good

No opinion

Give your comment / suggestions on the Industrial Visit

Signature : Abhinaya P



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
#363, Arcot Road, Kodambakkam, Chennai – 600024, Tamil Nadu, India
Approved by AICTE and affiliated to Anna University

Department of Computer Science & Engineering

INDUSTIAL VISIT – FEEDBACK FORM

Name of the student: R. KEERTHANA

Date: 5-5-18

Register No: 31516104017

Industry visited: OCEAN ACADEMICS

Please specify your views regarding the Industrial Visit based on the categories specified. Your views and suggestions are very important and will help us while planning for further Industrial visits.

1. Was this your first Industrial Visit?

Yes

☒ No

2. How was the learning experience at the Industrial visit?

Exceptional

☒ Very Good

Good

No opinion

3. How likely it is for you to recommend this visit in future?

Most Likely

☒ Likely

Somewhat

No opinion

4. How would you rate your overall experience of the visit?

Exceptional

☒ Very Good

Good

No opinion

5. Did the Industrial Visit meet your expectations?

Exceptional

☒ Very Good

Good

No opinion

6. Was the Industrial Visit educational on grounds of your department?

Exceptional

☒ Very Good

Good

No opinion

Give your comment / suggestions on the Industrial Visit

Signature :

R. Keethana

From

11.7.18

Computer Science and Engineering (2nd year),
Meenakshi Sundararajan Engineering College,
Kodambakkam,
Chennai-24

To

The Principal,
Meenakshi Sundararajan Engineering College,
Kodambakkam,
Chennai-24

Respected Sir,

Sub: Regarding Industrial visit.

The application for Industrial visit to
Signals and Systems (India) Pvt. Ltd has been
sanctioned on 28th July'2018. Kindly grant us
permission for the Industrial visit.

Thank You,

Yours sincerely,

Sruti
(SRUTI.S)

~~Pritha~~
(R. SUNITHA)

~~V. SUDHIR~~
(V. SUDHIR)

Sankar
[SR SANKAR
NARAYANAN]

STAFF INCHARGE

1. V. SUNDAR [V. SUNDAR]
2. M.R. Withya (M.R. Withya)

£³ inauguration will be held on
28/7/18. IV postponed to
2/8/18. V. SUNDAR 28/7/18



sundari kamalakkannan <sundarikkt@gmail.com>

Seeking Permission for Industrial Visit - Reg.

2 messages

Mon, Jul 9, 2018 at 2:35 PM

sundari kamalakkannan <sundarikkt@gmail.com>
To: mktg.trg@sandsindia.com

Sir,
Warm Greetings.

I am writing this letter to seek your permission for the visit at your company on 28th of July 2018. I would like to share that we have planned this industry visit for our II yr CSE students in order to give them an insight about the current technologies.

There would be a total of 54 students accompanied by two faculty members from our department. The visit is aimed at enhancing their knowledge.

I hope you will allow us the opportunity to visit your company. I anticipate a positive response from your end.

Thanks and Regards,

Ms. V. Sundari
AP/CSE
Meenakshi Sundararajan Engg. College
Kodambakkam
Chennai.
Mob : 9444677963

Surendar Marketing-Training [Sands] <mktg.trg@sandsindia.com>
To: sundari kamalakkannan <sundarikkt@gmail.com>

Tue, Jul 10, 2018 at 2:07 PM

Dear Ms.Sundari,

Greetings from Signals And Systems (India) Pvt Ltd popularly known by its brand name as SANDS in the Industry !!!

Thanks for the request. Got approval for the Industrial Visit for your 2nd year, CSE Students on dates of 28th july 2018.

Herewith attached the Industrial Requisition Form. Kindly fill the same and share the details with us.

As informed Rs.100/- will be charged for per student.

Timings: 10 A.m to 12 P.M (2 Hrs)

Thanks & Regards,

K.Surendar

Marketing Engineer

SIGNALS & SYSTEMS (India) Pvt. Ltd.

15/D-19, SIPCOT I.T Park, Siruseri, Chennai - 603103.

Mob: +91- 9003262765, 9841718045 (wp no.)

Landline : 044 - 27470001, 27470003, 27470087, 27470088

Email: mktg.trg@sandsindia.com

MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
CSE BATCH (2017 - 2021)
II YEAR - III SEMESTER

S.NO	REGISTER NUMBER	NAME
1	311517104001	Ajay B
2	311517104002	Arulbalan A
3	311517104003	Aseema Parveen A Z
4	311517104004	Bharath R
5	311517104005	Gayathri B
6	311517104006	Hanishkar M
7	311517104007	Haripriya A
8	311517104008	Haritha R
9	311517104009	Iyer Sandhya Nagarajan
10	311517104010	Jesintha Praveena A
11	311517104011	Kamalini S
12	311517104012	Kamalli V
13	311517104013	Kavyaprabha S
14	311517104015	Kiran T
15	311517104016	Kishore P
16	311517104017	Kishore Kumar V
17	311517104018	Laxmi Prasad M
18	311517104019	Madhumitha P
19	311517104020	Madhuvana K
20	311517104021	Matheshwer B
21	311517104022	Meera M
22	311517104023	Mira Sowndarya R
23	311517104024	Mohamed Basheer S
24	311517104025	Mohamed Ejaz M
25	311517104026	Nandhini M
26	311517104027	Nandhini R
27	311517104028	Nandhini R G
28	311517104029	Nithya R B
29	311517104030	Porkodi C D
30	311517104031	Pradeep Kumar A

MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
CSE BATCH (2017 - 2021)
II YEAR - III SEMESTER

S.NO	REGISTER NUMBER	NAME
31	311517104032	Prathiksha Sri S
32	311517104033	Praveenkumar K
33	311517104034	Priyadharshini S
34	311517104035	Rajeshkumar C
35	311517104036	Rajeshwari C
36	311517104037	Rama Devi T
37	311517104038	Ramya Prabha R K
38	311517104039	Reini Magnilda S
39	311517104040	Sakthe Priya P
40	311517104041	Sakthi Vigneshwari R
41	311517104042	Sankar Narayanan SR
42	311517104043	Saranya K S
43	311517104044	Shanmugappriya S
44	311517104045	Snowfia Fernando J
45	311517104047	Sowmiya V
46	311517104048	Sruti S
47	311517104049	Sudhir V
48	311517104050	Sugantha Priyan M
49	311517104051	Suvitha R
50	311517104052	Swathiya K
51	311517104053	Udaya T
52	311517104054	Vaishali R
53	311517104055	Vijayalakshmy K R
54	311517104056	Wasim Akram A
55		Lavanya V

STAFF INCHARGE

- 1 MS. V. SUNDARI
- 2 MS. M. R. NITHYA

MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

INDUSTRIAL VISIT REPORT

The Computer Science Engineering department of MSEC organized a one-day industrial visit to SANDS INDIA (SIGNALS AND SYSTEMS INDIA Pvt Ltd) on August 2nd 2018 with the prior permission from the principal. The visit was organized mainly to familiarize us with various electronic devices and how computer technology plays a vital role in the making of electronic devices.

A batch of 55 students of II CSE started travel at 8.30 am from the college and reached there at 10.15am. We were taken to a seminar hall first where they gave a small introduction about their company and then a brief presentation on big data analytics and hadoop technology was given.



They divided us into groups and showcased their created electronic devices and explained the technology used in those devices to us. After 30 minutes of presentation session, we were taken on a brief tour of various sections such as

R&D, manufacturing section, T&D and quality and control section. After visiting various sections, we were given a tea break where they gave us refreshments. Finally they gave away certificates for the students for their visit to their industry.



We were happy to visit such a company where we learnt a lot about computer technology used in electronic devices. The presentation which they gave was nice and we learnt a lot about big data analytics, Hadoop technology and its applications. We look forward to many more such visits that could give us an opportunity to know a lot about ongoing computer technology and its applications.



We thank the Management, Head of the department and faculty members who accompanied us for their guidance and support.



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
#363, Arcot Road, Kodambakkam, Chennai – 600024, Tamil Nadu, India
Approved by AICTE and affiliated to Anna University

Department of Computer Science & Engineering

INDUSTIAL VISIT – FEEDBACK FORM

Name of the student: Bharath R
Register No: 311517104004
Industry visited: SANDS

Date: 28-7-18

Please specify your views regarding the Industrial Visit based on the categories specified. Your views and suggestions are very important and will help us while planning for further Industrial visits.

1. Was this your first Industrial Visit?
Yes ☐ No ☒
2. How was the learning experience at the Industrial visit?
☒ Exceptional ☐ Very Good ☐ Good ☐ No opinion
3. How likely it is for you to recommend this visit in future?
☒ Most Likely ☐ Likely ☐ Somewhat ☐ No opinion
4. How would you rate your overall experience of the visit?
☒ Exceptional ☐ Very Good ☐ Good ☐ No opinion
5. Did the Industrial Visit meet your expectations?
☒ Exceptional ☐ Very Good ☐ Good ☐ No opinion
6. Was the Industrial Visit educational on grounds of your department?
☐ Exceptional ☐ Very Good ☐ Good ☒ No opinion

Give your comment / suggestions on the Industrial Visit

Signature : Bharath R.



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
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Approved by AICTE and affiliated to Anna University

Department of Computer Science & Engineering

INDUSTIAL VISIT - FEEDBACK FORM

Date: 28-7-18

Name of the student: Harun Prasad M

Register No: 31151104018

Industry visited: SANDS

Please specify your views regarding the Industrial Visit based on the categories specified. Your views and suggestions are very important and will help us while planning for further Industrial visits.

1. Was this your first Industrial Visit?

Yes

☒ No

2. How was the learning experience at the Industrial visit?

☒ Exceptional

Very Good

Good

No opinion

3. How likely it is for you to recommend this visit in future?

☒ Most Likely

Likely

Somewhat

No opinion

4. How would you rate your overall experience of the visit?

☒ Exceptional

Very Good

Good

No opinion

5. Did the Industrial Visit meet your expectations?

Exceptional

☒ Very Good

Good

No opinion

6. Was the Industrial Visit educational on grounds of your department?

Exceptional

☒ Very Good

Good

No opinion

Give your comment / suggestions on the Industrial Visit

Harun Prasad M

Signature :

30/8/18
chennai.

From

The class representatives

III CSE

Meenakshi Sundararajan Engineering College
Kodambakkam
Chennai - 24.

To

The Secretary
Meenakshi Sundararajan Engineering College
Kodambakkam
Chennai - 24.

Respected Madam

Subject: Permission for industrial visit.

We, CSE Students of III year have planned for an
Industrial visit for this semester to

SANDS Systems and Signal India Pvt Ltd,
Sivasekari on 31st, August, 2018 (Friday).

We shall depart from college by 7:30 AM
and return by 3:30 PM.

We assure you Mam we will obey the
following rules:

- * will obey the teachers who accompany them
- * will come in formal dress code
- * Maintain discipline

Hence we humbly request you to grant us

Permission for this industrial visit.

Mrs. Jey's malikar Mrs. Jey's accompanying them.

Yours

Thank you
Yours truly

The class representatives.

Forwarded
to H.O.D
dm
30/8



MEENAKSHISUNDARARAJANENGINEERINGCOLLEGE
(Managed by I.I.E.T Society)
363, Arcot Road, Kodambakkam, Chennai - 24

B. Monica Jenefer, B.E., M.E., (Ph.D) MISTE MCSI
Head of the Department,
Computer Science & Engineering

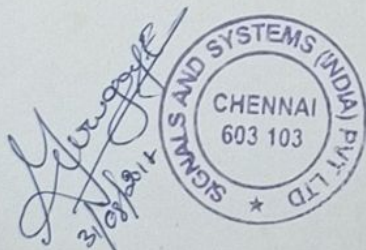
☎: +9144 24801636
Mob: +91 9940667342
✉ hod.cse@msec.edu.in

BONAFIDE CERTIFICATE

The list of students of III year Computer Science & Engineering department studying in Meenakshi Sundararajan Engineering College

- | | |
|---------------------------|-----------------------|
| 1. Abinaya P | 33. Priyanka S |
| 2. Akash V | 34. Raguram K B |
| 3. Akshaya A | 35. Reshma R R |
| 4. Anjana K | 36. Rohith V |
| 5. Anupriya M | 37. Roshan Sabeqah |
| 6. Deeptha G | 38. Roshini S |
| 7. Dhananjeyan M S | 39. Samyuktha S |
| 8. Divyabarathi D | 40. Sangavi D |
| 9. Divyabarathi P | 41. Sanjana P |
| 10. Divyalakshmi P | 42. Sathya Swaruban S |
| 11. Fathima Fazeela A R | 43. Sham Sundar R |
| 12. Gayathiri K | 44. Shreya N |
| 13. Gokul R | 45. Sivaranjani A |
| 14. Gowri Shanker G | 46. Sneha P |
| 15. Harini Venkataramani | 47. Sowmyaa T |
| 16. Keerthana N | 48. Sridhar S |
| 17. Keerthana R | 49. Srinidhi M S |
| 18. Kirthika Chandran R | 50. Sripathi P |
| 19. Krishnika K | 51. Tamothar G R |
| 20. Kunguma Guru Deepak R | 52. Thenisha S |
| 21. Meenakshi B | 53. Thiviya S |
| 22. Mohana Krishnan C | 54. Vaishnavi D B |
| 23. Monika S | 55. Vineha V S L |
| 24. Monisha A | 56. Vishali G |
| 25. Muralidharan D | 57. Anudeep Reddy |
| 26. Naveenroy B | 58. Bhargavi V |
| 27. Nidish S | 59. Hariharasudhan K |
| 28. Nithya K | 60. Kailash K |
| 29. Pavithra R | 61. Kathir Jayan S |
| 30. Pradesh Nitin K | 62. Renuka P |
| 31. Preetha S | 63. Sundheep M |
| 32. Priyanka I | |

Staff Members: Mrs.C.Jerin Mahibha
Mrs. S.Aarthi



Issued for Industrial
Vis. 7 on 31/8/18
30/8/18
Head of the Department
HEAD OF THE DEPARTMENT
Department of Computer Science
& Engineering
Meenakshi Sundararajan Engineering College,
363, Arcot Road, Kodambakkam,
Chennai - 600 024.

MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

Department of Computer Science and Engineering

Industrial Visit Report

III CSE (Semester 5) Batch :2016- 2020

The students of III year Computer Science and Engineering Department along with two staff coordinators Mrs.C.Jerin Mahibha and Mrs.S.Aarthi visited the SANDS SIGNALS AND SYSTEMS at Siruseri on 31-08-2018 at 10:00 am. This unit mainly focus on the innovation of various devices and ways on how to conserve energy and use that energy in an efficient way. Mr.Gautham, Sands Systems Head, addressed the students and introduced about the company. He explained about the functioning of various electronic units. Later, he also explained the different steps employed for the working of the units. Most of the raw materials used in the innovation were circuit based.

Mr Gautham also explained the agenda of the day. The agenda was based on:

1. Basic idea of the components
2. Technology behind the devices
3. Implementation of the devices in real life
4. Future scope and upcoming inventions of electricity consumption.

During this session, students interacted with the Manager very effectively. Particularly about the various technologies being used in order to detect the faults and also the consumption of electricity. Then Mr.Gautham also gave a gist about the upcoming technologies such as Data Science, IOT and also the use of JAVA and PYTHON in various fields of engineering.



After this session the students were taken to industrial trip in two batches. Both the batches were taken to Display unit and production unit. During the trip, the students gained practical knowledge about the working of various electrical devices, each having a different functionality, but commonly related to detection and consumption of energy. Many of the points explained theoretically in the first session were explained again practically. In Display unit, students were exposed to know about the Devices such as CRMI, POLARIS, etc in which they play a vital role in analysis of energy consumed by the surroundings and also gives a futuristic view on many ways to transmit light energy globally. This session was concluded by viewing the manufacturing of the electrical devices in the Production Unit.



The three-hour session was thus concluded with a tea.

We, the students also had the chance to view landmarks of other companies such as Cognizant, TCS etc. All the students expressed their thanks to the officials for the opportunity given. Finally, we reached MSEC at 4:00pm keeping in mind of all the useful and interesting facts about electric signals and devices.

This trip was highly useful for the students in terms of practical knowledge about the energy consumption and usage. This trip will also be helpful to find placement opportunities in such industries.



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#363, Arcot Road, Kodambakkam, Chennai - 600024, Tamil Nadu, India
Approved by AICTE and affiliated to Anna University

Department of Computer Science & Engineering

INDUSTRIAL VISIT - FEEDBACK FORM

Name of the student: SAMYUKTHA-S
Register No: 311516104039
Industry visited: SANDS - S/K AND SYSTEMS

Date: 31/8/18

Please specify your views regarding the Industrial Visit based on the categories specified. Your views and suggestions are very important and will help us while planning for further Industrial visits.

1. Was this your first Industrial Visit?
Yes ☐ No ☒
2. How was the learning experience at the Industrial visit?
Exceptional ☐ Very Good ☐ Good ☒ No opinion ☐
3. How likely it is for you to recommend this visit in future?
Most Likely ☐ Likely ☐ Somewhat ☒ No opinion ☐
4. How would you rate your overall experience of the visit?
Exceptional ☐ Very Good ☐ Good ☒ No opinion ☐
5. Did the Industrial Visit meet your expectations?
Exceptional ☐ Very Good ☐ Good ☒ No opinion ☐
6. Was the Industrial Visit educational on grounds of your department?
Exceptional ☐ Very Good ☐ Good ☒ No opinion ☐

Give your comment / suggestions on the Industrial Visit

Signature :

L. Sanyuktha



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#363, Arcot Road, Kodambakkam, Chennai – 600024, Tamil Nadu, India
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Department of Computer Science & Engineering

INDUSTRIAL VISIT – FEEDBACK FORM

Name of the student: S. Priyanka
Register No: 311516104033
Industry visited: GRANDS SIM & SYS

Date: 31/8/18

Please specify your views regarding the Industrial Visit based on the categories specified. Your views and suggestions are very important and will help us while planning for further Industrial visits.

1. Was this your first Industrial Visit?
Yes ☐ No ☒
2. How was the learning experience at the Industrial visit?
Exceptional ☐ Very Good ☒ Good ☐ No opinion ☐
3. How likely it is for you to recommend this visit in future?
Most Likely ☐ Likely ☒ Somewhat ☐ No opinion ☐
4. How would you rate your overall experience of the visit?
Exceptional ☐ Very Good ☐ Good ☒ No opinion ☐
5. Did the Industrial Visit meet your expectations?
Exceptional ☒ Very Good ☐ Good ☐ No opinion ☐
6. Was the Industrial Visit educational on grounds of your department?
Exceptional ☐ Very Good ☒ Good ☐ No opinion ☐

Give your comment / suggestions on the Industrial Visit

Good

Signature :

Permission letter

10/8/2018,
chennai

From

The Students,
CSE- IV yr/VII sem,
MSEC,
chennai.

To

The Principal,
MSEC,
chennai.


Respected Madam,

Subject: Seeking permission for Industrial Visit regards.

As we have planned to go IV for Oceans
~~Technology~~ Academy, Pondicherry on 10/8/2018- Saturday. We request
you to permit us to go. We assure that we will
obey and follow the college rules and will return
back to the college on time.

Thanking you,

Staff Incharges:

- 1)  - R. SRI GOKULAM
- 2) - R. VENKATESH

Submitted to the
Principal
10/8/18

Yours faithfully,

- 1) M. Sabari Krishnan
- 2) B. Bhargavan
- 3) K. Prathiba
- 4) V. Indhumathi.

ITINERARY

CSE IV YEAR

INDUSTRIAL VISIT TO OCEAN ACADEMY (PONDICHERRY)

- 06:30 AM - DEPARTURE FROM COLLEGE
- 10:30 AM - ARRIVAL TO OCEAN ACADEMY
- 11:00 AM - TRAINING SESSION I
- 01:00 PM - LUNCH BREAK
- 02:00 PM - TRAINING SESSION II
- 04:00 PM - DEPARTURE FROM OCEAN ACADEMY
- 07:30 PM - ARRIVAL TO COLLEGE

MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE, CHENNAI-24
Department of CSE
INDUSTRIAL VISIT

YEAR:IV

SEM:VII

STUDENTS NAME LIST

S.NO	REG NO	Name	Signature
1	311515104001	Aishwarya Lakshmi.S	S. Aishwarya Lakshmi.S
2	311515104002	Akshaya.E	E. Akshaya
3	311515104003	Anjana Arunkumar	Anjana
4	311515104005	Arjun Nag Ashokkumar	Arjun Nag
5	311515104007	Bhargavan.B	Bhargavan
6	311515104009	Gomathi.S	Gomathi.S
7	311515104010	Hari Krishnan.J	Hari Krishnan
8	311515104011	Hemashree S	Hemashree S
9	311515104012	Indhumathi.V	V. Indhumathi
10	311515104013	Janani.P	Janani
11	311515104014	Kamini.M	Kamini
12	311515104015	Krishna Kumar.K	K. Krishna Kumar
13	311515104016	Madan Kumar.R	R. Madan Kumar
14	311515104017	Manjula.T	Manjula
15	311515104019	Nikitha.M (26.08.1997)	Nikitha.M
16	311515104020	Nikitha.M (28.06.1998)	Nikitha.M
17	311515104021	Prathiba.K	Prathiba
18	311515104023	Prem.R	Prem
19	311515104025	Priyadharshini.K	K. Priyadharshini
20	311515104027	Rajendra Prasad Dhakal.R	Rajendra
21	311515104030	Rashmika Calve	Rashmika
22	311515104031	Sabari Krishnan.M	Sabari
23	311515104032	Sakshi.S	Sakshi
24	311515104033	Sanjaay Kishore.S	S. Sanjaay Kishore
25	311515104034	Santhosh.S	Santhosh
26	311515104036	Satheesh.J	Satheesh
27	311515104037	Satya Shrikar.P	P. Satya Shrikar
28	311515104040	Sharook Ahmed.A	Sharook
29	311515104042	Sreyas.V	Sreyas
30	311515104043	Sri Krishnan.P	P. Sri Krishnan
31	311515104044	Srinidhi.K	K. Srinidhi
32	311515104045	Sri Upanya B	Sri Upanya
33	311515104046	Srividhya .B	B. Srividhya
	311515104026	RAAJASHRI .J	R. RAAJASHRI

34	311515104047	Srividhya S Subramanian	Srividhya
35	311515104048	Subhashini.S	S. Subhashini
36	311515104049	Subramanian.K	K. Subramanian
37	311515104053	Thenmozhi.B	B. Thenmozhi
38	311515104054	Usha.S	S. Usha
39	311515104055	Uthra.V	V. Uthra
40	311515104057	Vignesh.S	S. Vignesh
41	311515104058	Vijit Niranjana D.N	D.N. Vijit Niranjana
42	311515104059	Vishnu Priya.S	S. Vishnu Priya
43	311515104302	S.Hari Venkatesh	S. Hari Venkatesh
44	311515104303	K.Manikandan	K. Manikandan
45	311515104304	N.Pavithra	N. Pavithra
46	311515104305	R.Sai Preethikaa	R. Sai Preethikaa
47	311515104701	Gowtham	G. Gowtham

STAFF INCHARGES:

1. R.SRI GOKULAM

- B

2. R.VENKATESH

- R.H

MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
INDUSTRIAL VISIT IV YEAR VII SEMESTER (2015-2019)

Technology opens up new horizons and pathways in our minds and lives to innovate, experiment, connect and excel. The students of CSE IV year with two faculty members went for a one day industrial visit to **Ocean Academy- Pondicherry** on 10th August, 2018. The session was from 10AM to 5PM.

Web design encompasses many different skills and disciplines in the production and maintenance of websites. The different areas of web design include web graphic design; interface design; authoring, including standardized code and proprietary software; user experience design; and search engine optimization. Web design partially overlaps web engineering in the broader scope of web development. Web designers are expected to have an awareness of usability and if their role involves creating mark up then they are also expected to be up to date with web accessibility guidelines.

The students were educated about this multifaceted approach to web designing, using various integrated scripting languages, including html, jss, jsp, css and java servlets. The session was split into two parts. The first revised the nuances of basic form design and database connectivity in webpage design. This was followed by another session with training given on advanced servlet operations in designing interactive pages.

The sessions were well organized, informative and balanced, educating students about web designing and the options available to them, including career options in the same. The visit succeeded in highlighting a basis for current training methodologies and related activities used by IT industries worldwide in the domain of web architecture.



We express our sincere thanks to the HOD for permitting us to go on the visit, the faculty members for accompanying us and the officials at Ocean Academy for their patient and clear explanations.



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

#363, Arcot Road, Kodambakkam, Chennai – 600024, Tamil Nadu, India

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Department of Computer Science & Engineering

INDUSTIAL VISIT – FEEDBACK FORM

Name of the student: S. HEMASHREE

Date: 10.8.18

Register No: 311515104011

Industry visited: OCEAN ACADEMY

Please specify your views regarding the Industrial Visit based on the categories specified. Your views and suggestions are very important and will help us while planning for further Industrial visits.

1. Was this your first Industrial Visit?

Yes

☒ No

2. How was the learning experience at the Industrial visit?

☒ Exceptional

Very Good

Good

No opinion

3. How likely it is for you to recommend this visit in future?

☒ Most Likely

Likely

Somewhat

No opinion

4. How would you rate your overall experience of the visit?

☒ Exceptional

Very Good

Good

No opinion

5. Did the Industrial Visit meet your expectations?

Exceptional

☒ Very Good

Good

No opinion

6. Was the Industrial Visit educational on grounds of your department?

Exceptional

☒ Very Good

Good

No opinion

Give your comment / suggestions on the Industrial Visit

Signature : S. Hemashree



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
#363, Arcot Road, Kodambakkam, Chennai – 600024, Tamil Nadu, India
Approved by AICTE and affiliated to Anna University

Department of Computer Science & Engineering

INDUSTIAL VISIT – FEEDBACK FORM

Name of the student: S. Vignesh
Register No: 311515104057
Industry visited: Ocean Academy

Date: 10.08.18

Please specify your views regarding the Industrial Visit based on the categories specified. Your views and suggestions are very important and will help us while planning for further Industrial visits.

1. Was this your first Industrial Visit?
☒ Yes ☐ No
2. How was the learning experience at the Industrial visit?
☒ Exceptional ☐ Very Good ☐ Good ☐ No opinion
3. How likely it is for you to recommend this visit in future?
☒ Most Likely ☐ Likely ☐ Somewhat ☐ No opinion
4. How would you rate your overall experience of the visit?
☒ Exceptional ☐ Very Good ☐ Good ☐ No opinion
5. Did the Industrial Visit meet your expectations?
☒ Exceptional ☐ Very Good ☐ Good ☐ No opinion
6. Was the Industrial Visit educational on grounds of your department?
☒ Exceptional ☐ Very Good ☐ Good ☐ No opinion

Give your comment / suggestions on the Industrial Visit

Exceptional

Signature : S. Vignesh



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

(Managed by I.I.E.T Society)

363, Arcot Road, Kodambakkam, Chennai – 24

Approved by AICTE & Affiliated to Anna University

Dr. K.S. BABAI, B. Sc., B.E., Ph.D MS FIE MISTE
Secretary

Off: 044-24801636

Fax: 044-24732488

11-12-2018

To

The Chief Manager,
Bharat heavy Electricals Ltd(BHEL),
Ranipet,
Tamil Nadu-632406

Respected Sir,

SUB: Request to permit our IV year Electronics and Communication engineering students to visit your esteemed industry- Reg.

This is to request you to kindly permit our fourth year Electronics and Communication Engineering (ECE) students to visit your esteemed organization by 29th December(saturday) and 5th January 2019(Saturday) so as to enrich their knowledge. Since industrial visit is a part of their curriculum specified by Anna University, Chennai. So as to provide them with real insight of the working procedure of an industry such as yours, I request you to kindly accord permission for two batches (2 days) to visit your organization.

Strength of IV year students : 128

Number of Staff : 6

Contact Email ID: mnkhan01@gmail.com

Contact Number: 9840523091

Thank you.

Yours truly,

Dr.K.S. BABAI
Secretary

MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
DEPARTMENT OF ECE
IV- ECE 'A'

S.NO	REGISTER NO	STUDENT NAME
1	311515106001	AAKASH CHANDAR P.
2	311515106004	AJAY RAJENDRAN R.M.
3	311515106005	AKSHAYA K.
4	311515106008	ANITHA RAJESHKUMAR
5	311515106009	APARNA G.
6	311515106012	ASHIKHA S.
7	311515106013	ASSWINI R.
8	311515106015	AZHAGESWARI T.
9	311515106016	BHARGAVI S.
10	311515106019	DEEPA R.
11	311515106020	DEEPIKA M.
12	311515106022	DINESH S. X
13	311515106023	DIVYA K.
14	311515106025	DIVYA R.
15	311515106026	GANESH KUMAARR S.
16	311515106029	JAGANNATH K.
17	311515106030	JANE JULIANA A. B.
18	311515106032	JAYASREE D.
19	311515106033	KAMAKSHI KUMAR A.V.
20	311515106034	KAMALA KANNAN M.
21	311515106037	KAVYA D.
22	311515106038	KEERTHANA S.
23	311515106041	KRITHIKA A. X
24	311515106043	LAKSHMI B.
25	311515106047	MAHALAKSHMI S.
26	311515106049	MARIA JEBAROHITH E.
27	311515106052	MEENAA R.
28	311515106054	MOHAMED HABEEB NAWAZ M.
29	311515106058	NAVEENA R.
30	311515106060	NIKHILESH RAJ V.
31	311515106061	NIKITHA K.
32	311515106063	NIRANJAN M.
33	311515106064	NIVEDHITHA M.
34	311515106069	PAVITHRA M.
35	311515106070	POOJA S.
36	311515106074	RAGHURAMAN M.
37	311515106078	ROGER DANIEL S.
38	311515106079	ROSHANI MATILDA S.
39	311515106081	SADHASIVAM M.
40	311515106084	SAKTHIPRIYA G.

Shudarth
Singer
Singer

S.K.
Ashikha
Asswini
Azhageswari
Bhargavi
Deepa
Deepika
Dinesh
Divya
Divya
Ganesh
Jagannath
Jane
Jayasree
Kamakshi
Kamala
Kavya
Keerthana
Krithika
Lakshmi
Mahalakshmi
Maria
Meena
Mohamed
Naveena
Nikhilesh
Nikitha
Nirajan
Nivedhitha
Pavithra
Pooja
Raghuraman
Roger
Roshani
Sadhasivam
Sakthipriya

Deepika

K. S. K.
P. K. S. K.
S. K. S. K.
S. K. S. K.

S. K. S. K.

K. S. K.

S. K. S. K.

S. K. S. K.

Lakshmi

Mahalakshmi

Maria

Meena

Mohamed

Naveena

Nikhilesh

Nikitha

Nirajan

Nivedhitha

Pavithra

Pooja

Raghuraman

Roger

Roshani

Sadhasivam

Sakthipriya


DEPARTMENT OF ECE, MSEC
IV YEAR ECE-A
INDUSTRIAL VISIT- BHEL,RANIPET (29/12/2018)

STAFF DETAILS:

NAME OF THE STAFF	CONTACT NUMBER
Mr. NOORUZZAMAN KHAN	9840523091
Mrs. ARUNA	9159730744
Mrs. PRATHIBA	9841213893

BUS DETAILS:

BUS DRIVER NAME	CONTACT NUMBER	LICENSE NUMBER	BUS NUMBER
VEERAMANI	8940985035	TN25Z 2012 0005476	TN25-AA-9666



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

INDUSTRIAL VISIT

BHEL, RANIPET

ITINERARY

DATE:29/12/2018

CLASS: IV-ECE'A'

6:00 AM – ASSEMBLE AT MSEC

6:30 AM – BUS STARTS

9:30 AM – BREAKFAST IN THE BUS

11:00 AM – REACHES RANIPET

12:00 NOON- LUNCH AT RANIPET

1:00 PM- REACHES BHEL, RANIPET

4:30 PM- COMPLETION OF VISIT

5:00 PM- RETURN STARTS

9:00 PM- REACHES MSEC

NOTE:

FOLLOW THE RULES AND REGULATION.

DO NOT CARRY JEWELLERY.

TAKE CARE OF YOUR BELONGINGS AND CASH.

CARRY NECESSARY MEDICINES.

KINDLY INFORM STAFF IF ANY URGENCY AND BE WITH YOUR PEERS.

STAFF CO-ORDINATORS:

Mr. NOORUZZAMAN KHAN	9840523091
Mrs. ARUNA	9159730744
Mrs. PRATHIBA	9841213893



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE DEPARTMENT OF ECE
IV- ECE'B'

	REGISTER NUMBER	NAME
1	311515106003	Adithya.N
2	311515106006	Akshaya.S
3	311515106007	Alagumeena TR
4	311515106017	DANDAPANI S
5	311515106018	Deepa.R
6	311515106021	Devi priya P
7	311515106024	Divya P
8	311515106027	Gayathri Ramaswamy
9	311515106028	Hana Z
10	311515106031	K.Jayanthi
11	311515106036	Karthika . S
12	311515106040	Kiirthanaa.G
13	311515106042	Lakshita. M
14	311515106044	Lakshmi Narasimhan. S
15	311515106050	A.MEENA
16	311515106051	R.Meena
17	311515106056	Monisha.S
18	311515106057	R.Nandhini
19	311515106066	K.Nivethra
20	311515106067	Noordeen.J
21	311515106068	P.Pandia Sathya
22	311515106071	Praveena.K
23	311515106080	D.Roshinee
24	311515106083	L.Sai Prashanth
25	311515106086	Santhosh.S
26	311515106087	R.Sashaank
27	311515106088	M.sathish
28	311515106096	C. SHRINIDHI
29	311515106101	SRIRAM.M.S
30	311515106102	C. Sriya Raj
31	311515106103	R.Subaidha Begum
32	311515106104	A.S.Sudarshan
33	311515106108	Tessy Varghese
34	311515106109	THULASIRAM.S
35	311515106110	UMA PRIYA K
36	311515106116	Vigneswari.S
37	311515106117	G.Vijayasimhan
38	311515106119	Visalakshi.M
39	311515106120	Yashwanth. V.B
40	311515106301	Damodaran.G
41	311515106303	A.K.Dhivya

Adithya
Akshaya
Alagumeena
Dandapani
Deepa
Devi priya
Divya
Gayathri
Hana
K.Jayanthi
Karthika
Kiirthanaa
Lakshita
Lakshmi Narasimhan
A.Meena
R.Meena
Monisha
R.Nandhini
K.Nivethra
Noordeen
P.Pandia Sathya
Praveena
D.Roshinee
L.Sai Prashanth
Santhosh
R.Sashaank
M.sathish
C. SHRINIDHI
SRIRAM.M.S
C. Sriya Raj
R.Subaidha Begum
A.S.Sudarshan
Tessy Varghese
THULASIRAM.S
UMA PRIYA K
Vigneswari
G.Vijayasimhan
Visalakshi
Yashwanth
Damodaran
A.K.Dhivya

Rm 27536/124/11



FORM 23
(See Rule 48)
FORM OF CERTIFICATE OF REGISTRATION

Registration No. **TN25 AA9666**
Owner's Name **SUNDARAM**
S/V/D/O **SUNDARAM**
Per Address **ADIVANUR POST**
ADIVANUR POST Pin **601 101**
Temp. Address **ADIVANUR POST** Pin **601 101**
VANDAVASI TRUVANNAKALASOT
Specification **ADIVANUR POST**
Signature **VANDAVASI TRUVANNAKALASOT**
Thumb Impression **VANDAVASI TRUVANNAKALASOT**
Date **12-May-2011**
C/R/A/Tax **12-May-2011**
Quarter Ending **12-May-2011**
Tax Card No. **12-May-2011**
Previous Registration Details
Previous Regn. No. **OL 1060 cm**
RTO Office **OL 1060 cm**
State **OL 1060 cm**
Issued / Not issued

1. Class of Vehicle **ASHOR LEVARD 22400 1800W**
2. Make & Name **ASHOR LEVARD 22400 1800W**
3. Type of Body **SEMI SALOON**
4. No. of Cylinders **6**
5. Chassis Number **MB11BETXBEA100451**
6. Engine Number **BA1002110**
7. Fuel Used **DIESEL**
8. B.H.P. **160**
9. Cubic Capacity **1625**
10. Make's Class **ASHOR LEVARD 22400 1800W**
11. Wheel-Base **227**
12. Seating Capacity **58**
13. Laden Weight **9985**
14. Colour **WHITE RED**
15. G.V.W. (G) **16200**
16. G.V.W. (R) **16200**
17. Number Description and Size of Tyres **4x10 R40 160**
18. Registered Axle Weight **FAW**
19. Type of Body **ASHOR LEVARD 22400 1800W**
20. Unladen Weight **9985**
21. Number Description and Size of Tyres **4x10 R40 160**
22. Registered Axle Weight **FAW**
23. Motor Vehicle under **ASHOR LEVARD 22400 1800W**
Date **12-May-2011**
This Certificate is valid from **12-May-2011**
to **12-May-2011**
FORM 38 (SEE RULE 62(1))
Certified as complying with the Provisions of Vehicles Act, 1928 and the Rules made thereunder. It will expire on **12-May-2011**
This certificate of fitness is hereby renewed from **12-May-2011**
to **12-May-2011**
Inspecting Authority **12-May-2011**

13. **For SUNDARAM FINANCE LIMITED**
Authorized Signatory **Sundaram Finance Limited**
Signature **Sundaram Finance Limited**
Date **12-May-2011**
Change of Address/Transferred to **12-May-2011**
Name **12-May-2011**
Address **12-May-2011**
Date **12-May-2011**
Motor Vehicle under **12-May-2011**
R/S **12-May-2011**
1x1 = 1
6x1 = 6
2x4 = 15
Total **58.5888**
Office Details
Rm No. **12-May-2011**
Fees Paid **12-May-2011**
Challan No. **12-May-2011**
Date **12-May-2011**



TN262 2012 0006476



12-09-2012

12-09-2012

12-09-2012



11-12-2012

11-12-2012

NO 272, NNO 203
CHIEFLA PERHUNHUU MEDU, CHIEVYAR TR,
CHIELLA PERHUNHUU MEDU, TRUYANNAVALA 60
4410

Blank No. 6036

Blank No. 01012/2014/

Blank No. 29-09-2014

29-09-2017

TN25Y/ULN0003729/2017

12-09-2012

NO 272, NNO 203
CHIELLA PERHUNHUU MEDU, CHIEVYAR TR,
CHIELLA PERHUNHUU MEDU, TRUYANNAVALA 60
4410

Approved by the Ministry of Defense

UNIT OFFICE, CHIEVYAR

00
14

7 D 1 4 1 0 3

Transport / Tax - Non - Transport

FORM 23

Date of fitness (52(1))

TN25AA9666 is certified as complying with

Sec. 56 of the Motor Vehicles Act, 1988

and the rules made thereunder

and expires on 24 Apr 2014

26/04/2014

Signature and Registration
THIRUVANANTHAPURAM

9001397

FORM 23

Date of fitness (52(1))

TN25AA9666 is certified as complying with

Sec. 56 of the Motor Vehicles Act, 1988

and the rules made thereunder

and expires on 24 Apr 2014

Signature and Registration
THIRUVANANTHAPURAM

ENDORSEMENTS - Change of Address / Owner

3US/24297/2014

FORM 38

Certificate of fitness (52(1))

Vehicle Number TN25AA9666 is certified as complying with
the provisions of Sec. 56 of the Motor Vehicles Act, 1988
and the rules made thereunder

The certificate will expire on 27-Apr-2015

1. Name of the owner
2. Address of the owner
3. Date of issue
4. Date of expiry
5. Signature of the owner
6. Signature of the Registering Authority
7. Motor Vehicle Number
8. Motor Vehicle Description
9. Motor Vehicle Category
10. Motor Vehicle Class
11. Motor Vehicle Type
12. Motor Vehicle Sub-Type
13. Motor Vehicle Variant
14. Motor Vehicle Colour
15. Motor Vehicle Weight
16. Motor Vehicle Capacity
17. Motor Vehicle Power
18. Motor Vehicle Engine
19. Motor Vehicle Chassis
20. Motor Vehicle Body
21. Motor Vehicle Paint
22. Motor Vehicle Markings
23. Motor Vehicle Identification
24. Motor Vehicle Registration
25. Motor Vehicle Transfer
26. Motor Vehicle Sale
27. Motor Vehicle Auction
28. Motor Vehicle Leasing
29. Motor Vehicle Finance
30. Motor Vehicle Insurance
31. Motor Vehicle Tax
32. Motor Vehicle License
33. Motor Vehicle Permit
34. Motor Vehicle Certificate
35. Motor Vehicle Record
36. Motor Vehicle History
37. Motor Vehicle Status
38. Motor Vehicle Condition
39. Motor Vehicle Location
40. Motor Vehicle Movement
41. Motor Vehicle Activity
42. Motor Vehicle Interaction
43. Motor Vehicle Communication
44. Motor Vehicle Information
45. Motor Vehicle Data
46. Motor Vehicle Analysis
47. Motor Vehicle Research
48. Motor Vehicle Development
49. Motor Vehicle Innovation
50. Motor Vehicle Progress
51. Motor Vehicle Achievement
52. Motor Vehicle Success
53. Motor Vehicle Excellence
54. Motor Vehicle Perfection
55. Motor Vehicle Mastery
56. Motor Vehicle Expertise
57. Motor Vehicle Skill
58. Motor Vehicle Talent
59. Motor Vehicle Ability
60. Motor Vehicle Capability
61. Motor Vehicle Competence
62. Motor Vehicle Proficiency
63. Motor Vehicle Expertise
64. Motor Vehicle Skill
65. Motor Vehicle Talent
66. Motor Vehicle Ability
67. Motor Vehicle Capability
68. Motor Vehicle Competence
69. Motor Vehicle Proficiency
70. Motor Vehicle Expertise

1. No
2. Name
3. Address

4. No
5. Motor Vehicle Number

Registering Authority

6. No
7. Name
8. Address

9. No
10. Motor Vehicle Number

Registering Authority



R.No B.12037/2014
RTO OFFICE, TINDIVANAM

Transfer of Ownership - TN25AA9666

Rs.750/US888/18-Apr-2017

Transferred to V VISWANATHAN

s/o MR.VEERARAGHA REDDIYAR

NO 27 JAYAPURAM TINDIVANAM TK

VILLUPURAM DT with effect from 18-Apr-2017

Hypothecation Continued with SUNDARAM FINANCE LTD

NO21 PATULLOS ROAD, CHENNAI 600002

Rs.3000/US888/18-Apr-2017

[Spare buy]

ment of proceeding in the

the slatral Tindivanam

A.1 105512017 dt 24/2017

Asst. Registering Authority

Tindivanam - 604 001.

18.4.17

INDUSTRIAL VISIT REPORT

BHARAT HEAVY ELECTRICALS LIMITED

The students of 4th year ECE-A of Meenakshi Sundararajan Engineering College visited Bharat Heavy Electricals Limited (BHEL) on 29th December 2018 as a part of industrial visit. 64 students were accompanied by 4 staff members. Mr. S.Balasubramaniam, Mr. Noor Khan, Dr. R.Nirmala Devi and Mrs. J.Prathiba accompanied and took care of us during the visit.

The bus started off from college at 7 a.m. It was a 4 hour journey and in the due course we completed our breakfast. We reached the industry and one of the Deputy General Manager was enthusiastically explaining the various operations taking place in the various

Initially we were split into 4 groups and they took us to the pre-control board unit where the outline of the structure of BHEL was explained. Then we were taken to the Control Board Unit. The internal guides explained patiently how control board is playing a vital role in the functioning of internal body of BHEL. It contained various measuring instruments and the concerned authorities carefully assessed the readings.

The highlight of the day was when they took us to the various manufacturing sectors. It was a blend of concepts of science and the experience of the hardworking engineers. There were various manufacturing devices which assists the government in manufacturing defence instruments.

We came out of the manufacturing sections by 4 p.m. We went to a nearby hotel to have lunch and it was neatly arranged largely due to the efforts of our faculties. We started our return journey by 5.30 p.m. and reached college by 9 p.m.

We thank our secretary Dr.K.S.Babai and the management for providing us this wonderful opportunity. We learned a lot of technical aspects such how the turbine rotates, how the control unit works, and the manufacturing is performed. We also thank our faculty members without whom it would have been impossible to gain this knowledge. We also came to know the discipline and the hardworking tendency of employees of BHEL. We hope and request that the management will continue to provide such opportunities for us to expand our knowledge and career aspirations.

INDUSTRIAL VISIT FEEDBACK

BHARAT HEAVY ELECTRICALS LIMITED

The students of 4th year ECE-A of Meenakshi Sundararajan Engineering College visited Bharat Heavy Electricals Limited (BHEL) on 29th December 2018 as a part of industrial visit. 64 students were accompanied by Mr.S.Balasubramaniam, Mr. Noor Khan, Dr. R.Nirmala Devi and Mrs. J.Prathiba.

After carefully analysing the feedback given by the students, I can say that the visit was highly useful for the students. The students felt that the internal guides helped them a lot in understanding the overall process and functioning. The students were happy that they learnt something useful in the 3 hour visit.

The students expressed that they gained insight regarding the operations of defence activities carried out in our country. They have given positive feedback which helps us to organize more visits to BHEL for the upcoming batch students. The management is happy, considering that the efforts taken by them in organizing this visit has been supported whole-heartedly by the feedback given by the students.

MEENKASHI SUNDARARAJAN ENGINEERING COLLEGE
DEPARTMENT OF INFORMATION TECHNOLOGY

INDUSTRIAL VISIT - FEEDBACK FORM

Name of Student: K. Nikita

Date: 29/12/18

Organization Visited: Bhavath Heavy Electricals Ltd.

First Industrial Visit ☐ YES ☒ NO

S.NO	QUESTIONS	3	2	1
1.	How was the learning experience at the Industrial Visit?		✓	
2.	How likely it is for you to recommend this visit in future?	✓		
3.	How would you rate your overall experience of the visit?	✓		
4.	Did the Industrial Visit meet your expectations?	✓		
5.	Was the Industrial Visit educational on grounds of your department?		✓	

6. Give your comment on the Industrial Visit not more than 2 sentences

Very Nice Experience

Your feedback is important for planning future programming. Thank you

MEENKASHI SUNDARARAJAN ENGINEERING COLLEGE
DEPARTMENT OF INFORMATION TECHNOLOGY

INDUSTRIAL VISIT - FEEDBACK FORM

Name of Student: SHRAVAN BALAJI SEKAR

Date: 05/01/19

Organization Visited: BHARATH HEAVY ELECTRICALS LTD.

First Industrial Visit ☐ YES ☐ NO

S.NO	QUESTIONS	3	2	1
1.	How was the learning experience at the Industrial Visit?	✓		
2.	How likely it is for you to recommend this visit in future?		✓	
3.	How would you rate your overall experience of the visit?	✓		
4.	Did the Industrial Visit meet your expectations?	✓		
5.	Was the Industrial Visit educational on grounds of your department?	✓		

6. Give your comment on the Industrial Visit not more than 2 sentences

Learned more EEE and ECE related visit. Good.

Your feedback is important for planning future programming. Thank you



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

(Managed by I.I.E.T Society)

363, Arcot Road, Kodambakkam, Chennai – 24

Approved by AICTE & Affiliated to Anna University

Dr. K.S. BABAI, B. Sc., B.E., Ph.D MS FIE MISTE Off: 044-24801636
Secretary

Fax: 044-24732488

20-08-2018

To

The Chief Manager,
Bharath Sanchar Nigam Limited (BSNL),
Periar Salai, SIDCO Industrial Estate,
Maraimalai Nagar,
Chennai – 603209.

Respected Sir/Madam,

SUB: Request to permit our II year Electronics and Communication Engineering students to visit your organization (BSNL).

This is to request you to kindly permit our II year Electronics and Communication Engineering students to visit your organization on 23rd and 27th of August 2018 so as to enrich their knowledge since industrial visit is a part of their curriculum specified by Anna University, Chennai. This visit will provide them with real insight of the working procedure of an organization such as yours. I request you to kindly accord permission for the two batches either on the same day or on two days to visit your organization.

Strength of II year ECE students : 118

Number of Staff : 6

Contact Email Id: mnkhan01@gmail.com

Mobile No: 9840523091

Thank you.

Yours truly,

Dr.K.S. BABAI
Secretary



Sindhuja Bala <bsindhusuji99@gmail.com>

Fwd: RTTC Chennai(BSNL)- Your Industrial Visit Registration - Confirmation

1 message

mnkhan01@gmail.com <mnkhan01@gmail.com>
To: bsindhusuji99@gmail.com

Wed, Aug 29, 2018 at 12:00 PM

Sent from my iPhone

Begin forwarded message:

From: rtccchennai@gmail.com
Date: 23 August 2018 at 11:18:08 AM IST
To: mnkhan01@gmail.com
Subject: RTTC Chennai(BSNL)- Your Industrial Visit Registration - Confirmation

Bharath Sanchar Nigam Limited
Regional Telecom Training Centre
Maraimalainagar, Chennai - 603209
(A Govt of India Undertaking)

Industrial visit Confirmation

Letter No.RTTC/IV/Confirmation/67

To
Noor Khan AP
MSEC Chennai

Sir/Madam,

With reference to your letter/mail request regarding INDUSTRIAL VISIT to RTTC, Maraimalainagar on 01/09/2018 , RTTC confirms and welcomes the staff and students of MSEC Chennai for Industrial Visit.

The details are as below:

- * For a group upto 25 students: Rs.200.00+Tax=Rs.236/Student.
- * For a group between 26 and 50 students: Rs.180.00+Tax=Rs.213/Student.
- * For a group more than 51 students: Rs.160.00+Tax=Rs.189/Student.
- * The fee can be paid as cash/ card on the day of Industrial visit.
- * Please bring the soft copy of students list for issue of certificates.
- * Preferrable time of IV is 10.30 AM.

We request patronage from other faculties also.

with regards,

R.Baskar SDE Marketing RTTC Chennai

For more details visit <http://rttcchennai.bsnl.co.in> or call 94861 02892

ACG-57

Cash

ORIGINAL

BHARAT SANCHAR NIGAM LIMITED CHENNAI TELEPHONES

(See Rules 9, 154, 159, and 160 of Telecommunication Financial Handbook
Volume 1 and Rule 100 of Telecommunication Financial Handbook, Volume III, Part I)

Book No. D Invoice No. 2606 Dt. 01.9.18
Receipt No.

Received from Meenakshi Sundarajan Engg College 12927

Rs. 21146/- (Rupees Twenty one thousand one

on account of - hundred and forty six only

Place Industrial visit / 1 day

Date 112 Nos / Bath-33

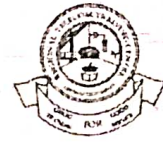
Dt. 01.9.18

HOA- 4910110

Signature
Designation
Sr. Accounts Officer (C & A)
मंडल अभिवृत्ता / Divisional Engineer
आर.टी.टी.सी. चेन्नै / RTTC Chennai
बी.एस.एन.एल. मरीमलैनगर - 603 209.
BSNL, Maraimalai Nagar-603 209.



भारत संचार निगम लिमिटेड
(भारत सरकार का उपक्रम)
BHARAT SANCHAR NIGAM LIMITED
(A Govt. of India Enterprise)



REGIONAL TELECOM TRAINING CENTRE CHENNAI
PERIYAR SALAI, SIDCO INDUSTRIAL ESTATE
MARAIMALAI NAGAR - 603 209.

GSTIN: 33AABCB5576G1ZS		Invoice No.: 2606	Date: 1.9.18.
Customer Name	Meenakshi Sundararajan Engineering College,		
Address			
City	Chennai.		
Phone No(s)			
ERP Document No.			
No of trainees	Training Details / Description	Rate Per Trainee (In Rs.)	Total Training Charges (In Rs.)
112	Name of the Course: Industrial Visit Batch Number: 33 Duration: one day on From To 1.9.18	200	22400 -
	Discount (if any) on Rs.	@ 20%	(-) 4480 -
		TOTAL	17920 -
		SGST @ 9%	1612-80
		CGST @ 9%	1612-80
		GRAND TOTAL	21145-60
	Advance Paid (if any) vide Invoice No.		-
21146/-	NET Amount (Grand Total - Advance Paid)		21,146 -
(Rupees Twenty one thousand one hundred and forty six only.)			

1. Total amount must be paid in advance i.e. before commencement of the training,
2. DD must be drawn in favour of "BSNL, CHENNAI TELEPHONES" Payable at CHENNAI.

Mode of Payment: Cash / POS / DD / Online Payment

Details of POS / DD / Online Payment.

1/9/18

For PRINCIPAL
R.T.T.C.(Chennai)
Maraimalai Nagar - 603 209

IV DETAILS

II-ECE-A

STUDENT NAMES	VISITED PLACE
Abhijith.S	BSNL-MARAIMALAR NAGAR
Abhinaya.K	BSNL-MARAIMALAR NAGAR
Abhishek.D	BSNL-MARAIMALAR NAGAR
Aishwariya.V	BSNL-MARAIMALAR NAGAR
Aishwariya.P	BSNL-MARAIMALAR NAGAR
Aishwariya.AR	BSNL-MARAIMALAR NAGAR
Ajeethkumar.S	BSNL-MARAIMALAR NAGAR
Akshaya giridharan	BSNL-MARAIMALAR NAGAR
Alaghar Nithish Kumar.A	BSNL-MARAIMALAR NAGAR
Amrith Varun.A	BSNL-MARAIMALAR NAGAR
Anand.G	BSNL-MARAIMALAR NAGAR
Andrea Sharon.G	BSNL-MARAIMALAR NAGAR
Anirudh Rao.B	BSNL-MARAIMALAR NAGAR
Ashwini.V	BSNL-MARAIMALAR NAGAR
Azim Jahan Siana.L	BSNL-MARAIMALAR NAGAR
Bavani.S	BSNL-MARAIMALAR NAGAR
Bhagyaraj.V	BSNL-MARAIMALAR NAGAR
Bhavani.S	BSNL-MARAIMALAR NAGAR
Christida.J	BSNL-MARAIMALAR NAGAR
Deepa.M	BSNL-MARAIMALAR NAGAR
Deepak.K	BSNL-MARAIMALAR NAGAR
Dhanu shree.D	BSNL-MARAIMALAR NAGAR
Dhivya sundar	BSNL-MARAIMALAR NAGAR
Divakar.M	BSNL-MARAIMALAR NAGAR
Elakiya.K	BSNL-MARAIMALAR NAGAR
Fouziya Fathima.A	BSNL-MARAIMALAR NAGAR
Giridhar.R	BSNL-MARAIMALAR NAGAR
Gopalakrishnan.S	BSNL-MARAIMALAR NAGAR
Harinee	BSNL-MARAIMALAR NAGAR
Hari prasad	BSNL-MARAIMALAR NAGAR
Hemalatha	BSNL-MARAIMALAR NAGAR
Hemamala	BSNL-MARAIMALAR NAGAR
Janani	BSNL-MARAIMALAR NAGAR
Jayachandran	BSNL-MARAIMALAR NAGAR
Jayashree	BSNL-MARAIMALAR NAGAR
Jothi lavanya	BSNL-MARAIMALAR NAGAR
Kabilan	BSNL-MARAIMALAR NAGAR
Kalanidhi	BSNL-MARAIMALAR NAGAR
Karthick.C	BSNL-MARAIMALAR NAGAR
Karthick.V	BSNL-MARAIMALAR NAGAR
Kavinder roghit	BSNL-MARAIMALAR NAGAR
Kavya	BSNL-MARAIMALAR NAGAR
Kiruthiga.A	BSNL-MARAIMALAR NAGAR
Kiruthga.E	BSNL-MARAIMALAR NAGAR

Abhinaya
 Abhishek
 Aishwariya
 Aishwariya
 Aishwariya
 Ajeeth
 Akshaya
 Alaghar
 Amrith
 Anand
 Andrea
 Anirudh
 Ashwini
 Azim
 Bavani
 Bhagyaraj
 Bhavani
 Christida
 Deepa
 Deepak
 Dhanu
 Dhivya
 Divakar
 Elakiya
 Fouziya
 Giridhar
 Gopalakrishnan
 Harinee
 Hari
 Hemalatha
 Hemamala
 Janani
 Jayachandran
 Jayashree
 Jothi
 Kabilan
 Kalanidhi
 Karthick
 Karthick
 Kavinder
 Kavya
 Kiruthiga
 Kiruthga

Kishan	BSNL-MARAIMALAR NAGAR	Kishan
Koteeawaran	BSNL-MARAIMALAR NAGAR	Koteeawaran
Madhumitha	BSNL-MARAIMALAR NAGAR	Madhumitha
Manimegalai	BSNL-MARAIMALAR NAGAR	Manimegalai
Milan	BSNL-MARAIMALAR NAGAR	Milan
Mohammed	BSNL-MARAIMALAR NAGAR	Mohammed
Monika.c	BSNL-MARAIMALAR NAGAR	Monika.c
Monika.G	BSNL-MARAIMALAR NAGAR	Monika Gopirath
Monika devi.K	BSNL-MARAIMALAR NAGAR	Monika devi.K
Mugesh	BSNL-MARAIMALAR NAGAR	Mugesh
Nalina	BSNL-MARAIMALAR NAGAR	Nalina
Nandhinee	BSNL-MARAIMALAR NAGAR	Nandhinee.V
Akash	BSNL-MARAIMALAR NAGAR	Akash
Nancy	BSNL-MARAIMALAR NAGAR	Nancy
Yaswanth	BSNL-MARAIMALAR NAGAR	Yaswanth

1	311517106058	Narmadha M
2	311517106059	Naveen Kumar R
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44	311517106102	Swetha S
45	311517106103	Tamilselvi S
46	311517106104	Thenmozhi K
47	311517106105	Vasupradha S

Naveen Kumar
 Nikhil Kumar
 Niranjana N
 Nishanthini Celsia
 Nistula Jayasri P
 Nivas R
 Nivetha K
 Nivitha M
 Parandaman H
 Pavithra B
 Pavithra B (02.02.2000)
 Pawadhereeni M
 Pradeep K
 Premakumari M
 Priya R
 Priyanka Valleri
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 Sagaya Agnes Rayan T
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 Samhitha.K
 Sankarananth V N
 Santhoshi R
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 Shivani T V
 Sindhuja B
 Sneha M
 Sneha S
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 Sreekaran Srinath
 Sribalaji B V
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 Swetha R
 Swetha S
 Tamilselvi S
 Thenmozhi K
 Vasupradha S

48	311517106106	Vidhyashree Kakde M
49	311517106107	Vigneshkumar E S
50	311517106108	Vijayalakshmi E
51	311517106109	Vishal B
52	311517106110	Vishalsekar R C
53	311517106111	Vishnu Balan K
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55	311517106302	Chezhiyan.N
56	311517106303	Harshitha
57	311517106305	Saravanan

Vidhyashree
 Vignesh
 Vijayalakshmi
 Vishal
 Vishalsekar
 Vishnu Balan K
 Yuvashree D
 Chezhiyan.N
 Harshitha
 Saravanan



MEENKASHI SUNDARARAJAN ENGINEERING COLLEGE
DEPARTMENT OF INFORMATION TECHNOLOGY

INDUSTRIAL VISIT - FEEDBACK FORM

Name of Student: KAVINDER ROYTH

Date: 9/9/18

Organization Visited: BHARATH SANCHAR NIGAM LTD

First Industrial Visit ☐ YES ☒ NO

S.NO	QUESTIONS	3	2	1
1.	How was the learning experience at the Industrial Visit?	✓		
2.	How likely it is for you to recommend this visit in future?		✓	
3.	How would you rate your overall experience of the visit?	✓		
4.	Did the Industrial Visit meet your expectations?		✓	
5.	Was the Industrial Visit educational on grounds of your department?	✓		

6. Give your comment on the Industrial Visit not more than 2 sentences

Good.

Your feedback is important for planning future programming. Thank you

MEENKASHI SUNDARARAJAN ENGINEERING COLLEGE
DEPARTMENT OF INFORMATION TECHNOLOGY

INDUSTRIAL VISIT - FEEDBACK FORM

Name of Student: SINDHUJA

Date: 2/9/18

Organization Visited: BHARATH SANCHAK NIGAM LTD.

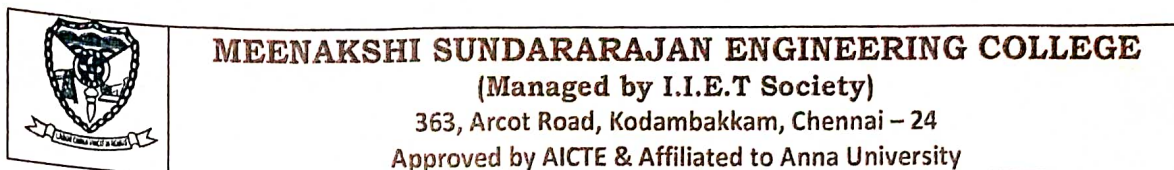
First Industrial Visit ☐ YES ☒ NO

S.NO	QUESTIONS	3	2	1
1.	How was the learning experience at the Industrial Visit?	✓		
2.	How likely it is for you to recommend this visit in future?		✓	
3.	How would you rate your overall experience of the visit?	✓		
4.	Did the Industrial Visit meet your expectations?	✓		
5.	Was the Industrial Visit educational on grounds of your department?		✓	

6. Give your comment on the Industrial Visit not more than 2 sentences

Have us good knowledge on the evolution of communication

Your feedback is important for planning future programming. Thank you



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

(Managed by I.I.E.T Society)

363, Arcot Road, Kodambakkam, Chennai – 24

Approved by AICTE & Affiliated to Anna University

Dr. K.S. BABAI, B. Sc., B.E., Ph.D MS FIE MISTE
Secretary

Off: 044-24801636
Fax: 044-24732488

01-02-2019

To

The Chief Manager,
Public Relations Department,
Public Relations Office,
Neyveli Lignite Corporation Limited,
Neyveli – 607801.

Respected Sir,

SUB: Request to permit our III year Electronics and Communication Engineering students to visit your Industry (Thermal-I Expansion) – Reg.

This is to request you to kindly permit our III year Electronics and Communication Engineering students to visit your Thermal-I Expansion by the third week of February (14th and 15th February) so as to enrich their knowledge. Since industrial visit is a part of their curriculum as specified by Anna University, Chennai, I request you to kindly accord permission for two batches (2 days) to visit your esteemed organization.

Strength of III year students: 120

Number of Staffs : 8

Contact number : +91 98405 23091

Contact email id : mnkhan01@gmail.com

Thank you.

Yours truly,

Dr.K.S. BABAI
Secretary



एनएलसी इंडिया लिमिटेड-NLC India Limited
(Navratna'- Government of India Enterprise)
CIN L93090TN1956GO1003507 Website :www.nlcindia.com



Public Relations Department
Block-2, Neyveli-607 801, Cuddalore District, Tamil Nadu
e-mail :pr.dept@nlcinda.com, pro.nlc57@gmail.com Tele Fax : 04142- 252257

Lr.No. 58 Visit/PRD/2019

Date: 14/02/2019

To
The Principal,
Meenakshi Sundararajan Engineering College,
Chennai-24.

Sir,

Sub: PRD – Visit to Industrial Units – Confirmation – Reg.

Ref: Lr. received dt. 01.02.2019

We are in receipt of your letter dated: 01.02.2019 The group of visitors from your Institution are permitted to visit TPS-I Expn...only. on 18/02/2019 & 20/02/2019 Please advise them to contact the Public Relations Dept., (Near Nehru Square), Block-2, Neyveli Township – 607 801 at 9..30 A.M.

The visitors/students are requested to bring their Identity Card along with TWO COPIES OF NAME LIST during their visit to Neyveli. In case of foreign students please attach passport size photo's 2 No's and two copy of passport and registration certificate /Residential Permit [RC/RP], From 'A' [Rule 6] issued by BUREAU OF IMMIGRATION M.H.A Govt. of India, one week before. Cell Phones with Cameras / Still Cameras / Video Cameras are strictly prohibited inside the Industrial Units.

We request you to arrange your own conveyance/accommodation during the visit.

Thanking you,

Yours faithfully,
for NLC India Ltd,

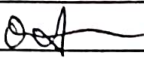
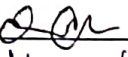
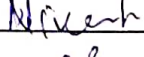
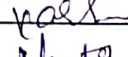
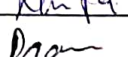
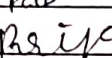
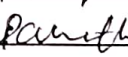
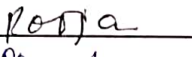
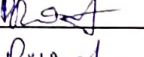
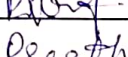
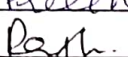
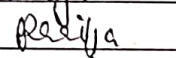
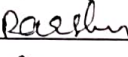
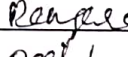
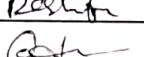
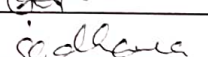
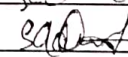
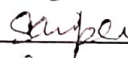
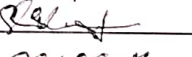
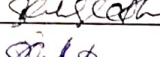
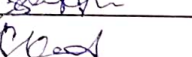
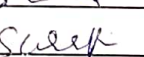
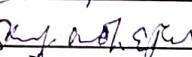
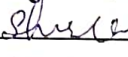
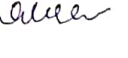
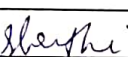
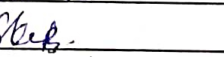
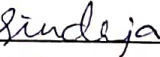
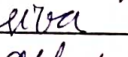
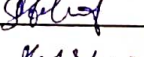
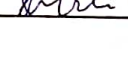


[Signature]
General Manager/PR
General Manager / P.R.
NLC Limited
Neyveli - 607 801

पंजीकृत कार्यालय : प्रथम तल नं.8, मेयर सत्यमूर्ति रोड, एफ.एस.डी, एमोर कॉम्प्लेक्स, भारतीय खाद्य निगम, चेतपेट चेन्नै - 600 031.
REGD.OFFICE : 1st Floor, No.8, Mayor Sathyamurthy Road, FSD, Egmore Complex of Food Corporation of India, Chetpet, Chennai - 600 031.
CORPORATE OFFICE: BLOCK-1, NEYVELI - 607 801, CUDDALORE DISTRICT, TAMILNADU.
निगमित कार्यालय: ब्लॉक-1 नेयवेली - 607801. कडलूर जिला, तमिलनाडु

MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
B.E. Electronics and Communication Engineering (BATCH:2016-2020)
EC6303-COMPUTER ARCHIECTURE
Internal Assessment -II Marks

SEM:06

Year:III yr-B Sec

S.No.	Reg.No	Name	SIGNATURE
1	311516106059	Narendran R	
2	311516106060	Nimcy Lisiya.D	
3	311516106061	Nivedha R	
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5	311516106063	Nivetha K S	
6	311516106064	Padma J P	
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27	311516106088	Sayed Mohamed Ejaz P	
28	311516106089	Shirley Deborah D	
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S.No.	Reg.No	Name	SIGNATURE
36	311516106097	Snehashri S	Snehashri
37	311516106098	Srikanth Rao T.P	Srikanth Rao
38	311516106099	Srimathi N	Srimathi
39	311516106100	Sriranjani S	Sriranjani
40	311516106101	Srividhya G	Srividhya
41	311516106103	Suriya Prakash.S	Suriya Prakash
42	311516106104	TejKumar Y A	TejKumar
43	311516106105	Vaishnavee.A	Vaishnavee
44	311516106106	Vaishnavi.V	Vaishnavi
45	311516106107	Vanathy.M	Vanathy
46	311516106108	Varsha V	Varsha
47	311516106109	Vasanth Kannan.D	Vasanth
48	311516106110	Venkat P	Venkat
49	311516106111	Vidula Sudarshan	Vidula
50	311516106112	Vignesh S	Vignesh
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52	311516106114	Yaashine Sree M	Yaashine
53	311516106115	Yoga Varshini M	Yoga
54	311516106116	Yogesh.K	Yogesh
55	311516106117	Yogeshwaran.M	Yogeshwaran
56	311516106301	Arun Prasad	Arun
57	311516106302	Hari haran	Hari
58	311516106303	Jayashri.M	Jayashri
59	311516106309	Rishivarman	Rishivarman
60	311516106312	Vignesh.P	Vignesh

STAFF IN CHARGE

MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
B.E. Electronics and Communication Engineering (BATCH:2016-2020)
IV ATTENDANCE ECE-A

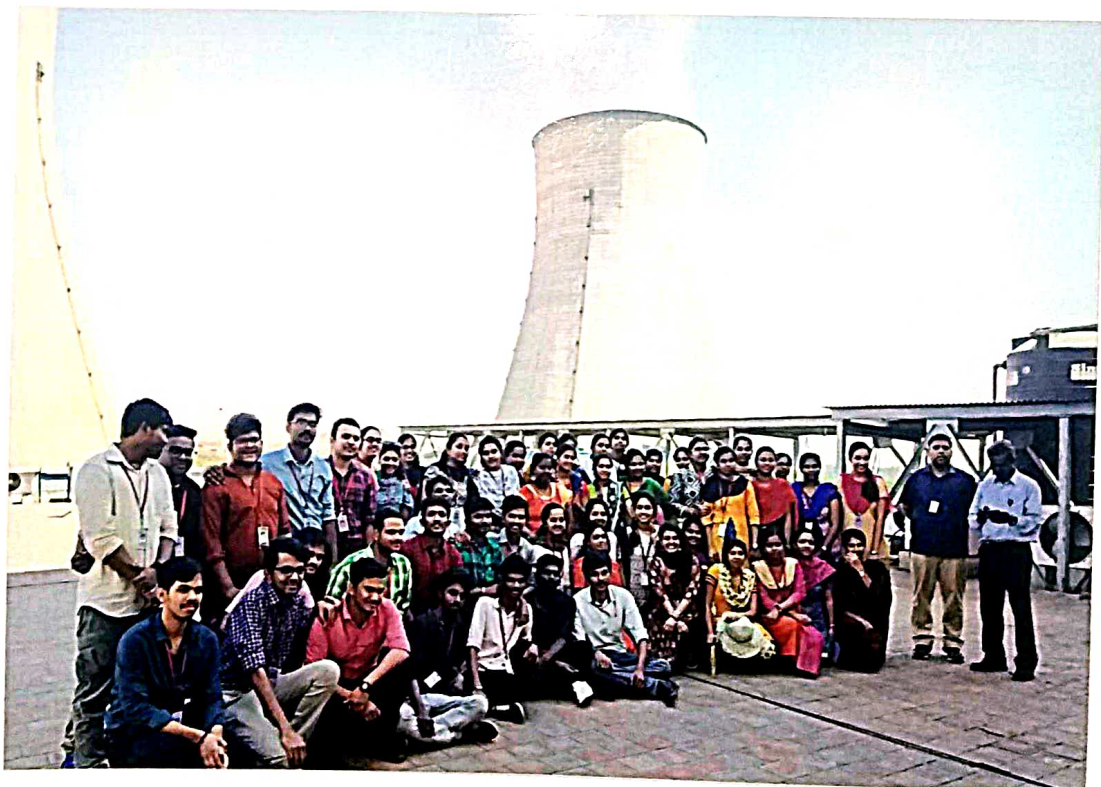
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2	311516106002	Aarthi K	Aarthi K
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4	311516106004	Ajay R M	Ajay R M
5	311516106005	Ajay chandran.R	Ajay chandran.R
6	311516106006	Akshaya J.M	Akshaya J.M
7	311516106007	Akshaya R	Akshaya R
8	311516106008	Anirudh S	Anirudh S
9	311516106009	Anitha Sweety M	Anitha Sweety M
10	311516106010	Anu Krithiga.V	Anu Krithiga.V
11	311516106012	Aqel Mohammed.S	Aqel Mohammed.S
12	311516106013	Aravinda R	Aravinda R
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26	311516106027	Durga Devi.T	Durga Devi.T
27	311516106028	Franny Mary Joseph F	Franny Mary Joseph F
28	311516106029	Ganesh.S	Ganesh.S
29	311516106030	Gangaraju Suresh Chandana	Gangaraju Suresh Chandana
30	311516106031	Harini.H	Harini.H
31	311516106032	Hariprakash.M	Hariprakash.M
32	311516106035	Hema.K	Hema.K
33	311516106036	Hemamalini K.V	Hemamalini K.V
34	311516106037	Jayashree B	Jayashree B
35	311516106038	Jayavarshini.P	Jayavarshini.P
36	311516106039	Kalyani.P	Kalyani.P
37	311516106040	Karthick.J	Karthick.J
38	311516106041	Karthikeyan P	Karthikeyan P
39	311516106042	Kevin Louis.J	Kevin Louis.J

S.No.	Reg.No	Name	
40	311516106043	Krishanapriya G	Krishanapriya.G.
41	311516106044	Krishna Priya K S	Krishnapriya.K.S
42	311516106047	Lydia Sharon Rose G	Lydia Sharon
43	311516106048	Madhumitha.R	Madhumitha
44	311516106049	Madhumitha.S	Madhu
45	311516106050	Manikandan.M	Mani
46	311516106051	Manjusha G	Manjusha.G.
47	311516106052	Mansi K Dolia	Mansi K.
48	311516106053	Menaka G	Menaka.G.
49	311516106054	Meyyammai A	Meyyammai-A
50	311516106055	Mokamad Azab S	Mokamad
51	311516106056	Moneesh C	Moneesh
52	311516106057	Mrinalini K	Mrinalini
53	311516106058	Nandini A	Nandini
54	311516106304	Kowsalaya	Kowsalaya
55	311516106305	Mahendran.S.S	Mahendran.S.
56	311516106306	Manodeeban.K	Manodeeban
57	311516106307	Nandhinee.G	Nandhinee.G.
58	311516106308	Piryadharshini.U	Piryadharshini
59	311516106310	Sharmila.K	Sharmila.K.
60	311516106312	Vasanth.K	Vasanth

Neyveli Lignite Corporation



2018-19



MEENKASHI SUNDARARAJAN ENGINEERING COLLEGE
DEPARTMENT OF INFORMATION TECHNOLOGY

INDUSTRIAL VISIT - FEEDBACK FORM

Name of Student: Ajay Chandran . R .

Date: 25/2/19

Organization Visited: Neyveli Lignite corporation

First Industrial Visit ☐ YES ☒ NO

S.NO	QUESTIONS	3	2	1
1.	How was the learning experience at the Industrial Visit?	✓		
2.	How likely it is for you to recommend this visit in future?		✓	
3.	How would you rate your overall experience of the visit?	✓		
4.	Did the Industrial Visit meet your expectations?	✓		
5.	Was the Industrial Visit educational on grounds of your department?		✓	

6. Give your comment on the Industrial Visit not more than 2 sentences

<u>Very good</u>

Your feedback is important for planning future programming. Thank you

MEENKASHI SUNDARARAJAN ENGINEERING COLLEGE
DEPARTMENT OF INFORMATION TECHNOLOGY

INDUSTRIAL VISIT - FEEDBACK FORM

Name of Student: *Dharaneya. R*

Date: *27/2/19*

Organization Visited: *Nayveli lignite corporation*

First Industrial Visit

YES	NO
-----	----

S.NO	QUESTIONS	3	2	1
1.	How was the learning experience at the Industrial Visit?	✓		
2.	How likely it is for you to recommend this visit in future?		✓	
3.	How would you rate your overall experience of the visit?	✓		
4.	Did the Industrial Visit meet your expectations?	✓		
5.	Was the Industrial Visit educational on grounds of your department?	✓		

6. Give your comment on the Industrial Visit not more than 2 sentences

Excellent knowledge.

Your feedback is important for planning future programming. Thank you

Impact Analysis REPORT

INDUSTRIAL VISIT-NEYVELI LIGNITE CORPORATION

The students of 3rd year ECE-A of Meenakshi Sundararajan Engineering College visited Neyveli Lignite Corporation on 24th January 2018 as a part of industrial visit.

There were 2 visits to NLC prior to this. The previous batch students unanimously agreed that the visit was highly informative and useful. In fact, they had recommended the management to take up further visits in future. The management after thoroughly analysing their feedback, decided to carry out the industrial visit for the 3rd time to NLC.

These students were motivated by the suggestions given by their seniors. The students found this visit as one of the most useful visits, they would have ever had in MSEC. The students were highly humbled by the way AGM explained the process carried out in NLC. The students learnt lot of useful things which helped them to upgrade their knowledge. The students were able to correlate the theoretical learning of the operation of the turbine with the practical viewing.

They gave a positive feedback and encouraged further visits to this government institution, similar to their seniors. The college management reviewed the feedback given by the students and promised that more and more industrial visits would be carried out in upcoming years.

2018-19 (even)



parasuraman p <ramceg1988@gmail.com>

Industrial visit -reg

parasuraman p <ramceg1988@gmail.com>
To: t.r.pratheep@easunmr.com

Tue, Mar 5, 2019 at 11:15 AM

Good morning sir/madam.

As suggested by SESHADRI sir of mechanical dept in our college (Meenakshi Sundararajan Engg. College, Kodambakkam, Chennai-24) we had a phone call with you. It was regarding visiting your Thirubhuvanai EASUN MR plant since we are interested in updating the practical side of the curriculum for our III rd year EEE students.

No. of students: 58

No. of staffs : 04

Convenient date : March 07' 2019

with regards

PARASURAMAN P

P/EEE Department

Meenakshi Sundararajan Engg College

Kodambakkam, Chennai-24

mobile: 9944354635

MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

Electrical And Electronics Engineering Department

Date: 07.03.2019

An industrial visit to "EASUN-MR" Thirubuvanai , Puducherry 605107 was organized by the department of EEE on 7th March 2019. Fifty eight students with three faculty visited EASUN-MR to enhance our practical knowledge.

In the industry the students were separated into 3 batches. The feature of different types tap changing transformers was explained. The industry manufactured different types of OLTCs [On Load Tap Changer] namely D type , V type , L type , M type, motor drive unit , dry type, oil surge relay , transformer monitoring unit and OCTC. The OLTC has a leak proof design. OLTCs are immersed in transformer mineral oil. During the process of tap changing, arc is produced in the tap changer and hence the oil of the OLTC is contaminated. Care is taken to prevent the oil of the tap changer from mixing with the transformer oil. Tap changing of the windings in a transformer enables different turns ratio. The main purpose of tap changing is to vary the output voltage based on the needs of the consumers. There are two types of arrangements of OLTCs they are compartment type and in-tank type. The OLTC changes the ratio of a transformer by adding or subtracting to and turns from either the primary or the secondary winding. The transformer is equipped with a regulating or tap windings which is connected to the OLTC. The functioning of the OLTC is done using CNC [Computer Numerical Control]. An OLTC comprises of fifteen thousand components present in it. M type OLTCs are used for network or generator operation, electric arc furnaces, HVDC, electrolysis, inverters, phase shifters and auto transformers. V type OLTCs are On-load tap-changer for nearly all network applications. L type tap changers are mainly used in 33 kV transformers. They are designed for performing 5 lakh operations. These type of transformers are widely used as they are leakage free and also help in reducing the size of the transformer. The D type tap changers are used in higher ratings of transformers. These are provided with a diverter switch which helps to prevent mixing of tap changer oil and transformer oil.

The different types of OLTCs are driven by motor drive unit. The motor drive unit MA9 is used for V type tap changers to select the operating position. This type of tap changer can also be used for OCTCs. The motor drive action is initiated by a single control signal and is accomplished without any possible interruption. Overrunning beyond the end positions is prevented by electrical and mechanical limits. The motor drive unit is provided with monitoring equipment.

We are asking so many doubts about tap changing transformers to the expert members. They answered for all queries with patiently. We would like to thank our management and our faculty for arranging this Industrial visit.

VI sem EEE

MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
DEPARTMENT OF EEE -III YEAR 6TH SEM

S.No.	Register Number	Name
1	311516105001	Adithya.M
2	311516105003	Akshaya P
3	311516105005	Almas.A
4	311516105006	Amrithavarshini R
5	311516105007	Anashritha.AB
6	311516105008	Arunkarthi P
7	311516105009	Ashwin Kumar B
8	311516105010	Azar Mohammed J
9	311516105011	Badrinathan N
10	311516105012	Balaji G. S
11	311516105013	Balaji.S
12	311516105014	Dinesh Raja.J
13	311516105015	Divya P
14	311516105016	Gomathi.N
15	311516105017	Guruprasaadh.T.R
16	311516105018	Jeyavardhany.P
17	311516105019	Keerthana S
18	311516105020	Krishnamurthy S
19	311516105021	Madhu Kumaarappan A
20	311516105022	Mahanya.G.G
21	311516105023	Mithun Raj R
22	311516105024	Muthu Mano.S
23	311516105026	Padma Bhushan.G
24	311516105027	Pavithra N D
25	311516105028	Pooja A
26	311516105029	Rahul.M
27	311516105030	Rahul.S
28	311516105031	Rajsuriya.R
29	311516105032	Ramya.M
30	311516105033	Ramyalakshmi.S
31	311516105034	Rebin.D

32	311516105035 Sandhya Mohan
33	311516105036 Sanjana S
34	311516105037 Sanjay Kumar .P
35	311516105038 Sankari
36	311516105039 Santhosh Kumar.S
37	311516105040 Sasirekha S
38	311516105041 Shwetha.K.K
39	311516105042 Sivarama Krishnan.S
40	311516105043 Sowmiya.M
41	311516105044 Sri Ratchanya K
42	311516105045 Sulthana Parveen.A
43	311516105046 Surendran.V
44	311516105047 Thirunavukkarasu.D
45	311516105048 Vanitha.V
46	311516105049 Varalakshmi.G
47	311516105050 Venkat Anamika Reddy
48	311516105052 Vignesh Kumar M
49	311516105053 Vinith Raja A
50	311516105054 Viswanath S
51	311516105055 Yuva Chandrakumar A
52	311516105301 Ranjith Kumar
53	311516105302 Rathna Rajkumar
54	311516105303 Sangeetha
55	311516105304 Sasikumar
56	311516105305 Vivek
57	311516105701 Subhiksha.K
58	311516105702 Swetha .A

Staffs :
1.K.BHASKER
2.S.UMA
3.G.GAYATRI
4.E.RAJKUMAR



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
Kodambakkam, Chennai

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

INDUSTRIAL VISIT - FEEDBACK FORM

(Academic Year : 2018 - 2019)

Name of Student: AMRI THAVARSHI
Batch: 2016 - 2020

Organization Name: EASUN MR
Date of Visit: 07/03/19

Q1. Was this your first Industrial Visit?

☐ Yes ☒ No

Q2. How was the learning experience at the Industrial Visit?

☒ Exceptional ☐ Very Good ☐ Good ☐ No Opinion

Q3. How likely it is for you to recommend this visit in future?

☒ Most Likely ☐ Likely ☐ Somewhat Like ☐ No Opinion

Q4. How would you rate your overall experience of the visit?

☐ Exceptional ☒ Very Good ☐ Good ☐ No Opinion

Q5. Was the Industrial Visit educational on grounds of your department?

☒ Exceptional ☐ Very Good ☐ Good ☐ No Opinion

Q6. Give your report on the Industrial Visit in not more than 100 words.

The Industrial visit experience was really good. We learned lot about the basics of Tap changing Transformer.

Your feedback is important for planning future programming.

Amritavathi
Signature of the Student



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

(Managed by I.I.E.T Society)

363, Arcot Road, Kodambakkam, Chennai – 24

Approved by AICTE & Affiliated to Anna University

DR. K.S. BABAI, B. Sc., B.E., Ph.D. MS FIE MISTE
SECRETARY

Fax: 044-24732488

Off: 044-2480163

Chennai
23.01.2019

To

TNEB Vigilance Officer,
Vigilance Office,
144, Anna salai,
Chennai-600002.

Respected Sir,

SUB: Request to permit our II year Electrical and Electronics Engineering students to visit your Industry 400 kV SS (Sunguvachatram, Sriperambathur) – Reg.

This is to request you to kindly permit our IV year Electrical and Electronics Engineering students to visit your **400 KV SS (SUNGU VACHATRAM, SRIPERAMBATHUR)** on any of our preferable dates and enrich their knowledge. Since industrial visit is a part of their curriculum as specified by Anna University, Chennai, I hope you will be kind enough to oblige and do the needful.

Strength of II year students : 59

Number of Staff : 4

Preferable date of visit : b/w 4TH Feb' 2019 to 20th Feb' 2019

Thanking you.

Yours truly,

Secretary

TAMIL NADU GENERATION AND DISTRIBUTION CORPORATION LIMITED

VIGILANCE CELL,
144, ANNA SALAI,
CHENNAI - 2.

Memorandum No 1432/B11/B111/2019 - 1, Dated: 11.02.2019.

Sub: Visit to 400 KVSS Sriperumbudur by the students of
Meenakshi Sundarajan Engineering College, Kodambakkam,
Chennai - Permission - Granted.

Ref: 1. Vigilance Cell Circular Memo.No.3987/B11/B112/
2015 - 1, Dt:26.03.2015.
2. From the Secretary, Meenakshi Sundarajan
Engineering College, Lr. dt.23.01.2019.

Permission is hereby accorded to the Engineering College students to visit 400 KVSS Sriperumbudur on 18.02.2019 subject to the conditions specified in the memo. first cited, details as follows:-

1. Name of the College : Meenakshi Sundarajan Engineering College.
2. Department/Year of the student : Electrical and Electronics Engineering/II year.
3. No. of students : 59, (2 batches, 30+29 Nos. per batch).
4. No. of faculty members : 4.

SRILAKSHMI PRASAAD
DIRECTOR GENERAL OF POLICE/VIGILANCE

To
The Superintending Engineer/Operation-II/Sriperumbudur.

(He is requested to obtain ready list from the college concerned containing the name age and address of the visitors during the visit)

Copy to:-

✓ The Secretary,
Meenakshi Sundarajan Engineering College,
No.363, Arcot Road, Kodambakkam,
Chennai - 600 024.

(He is informed that a maximum numbers of 70 students will be permitted per day for industrial visit and Camera, Mobile phone will not be allowed for industrial visit and he is requested to prepare ready list regarding name, age address etc., of the students and hand over the same to the office at the place of visit.)

:: TRUE COPY :: FORWARDED BY ORDER ::

SECTION OFFICER

REPORT ON INDUSTRIAL VISIT

DEPARTMENT OF ELECTRICAL AND ELECTRONICS
ENGINEERING(EEE)

PREPARED BY,
R.K. HARINI,
EEE-II YEAR

SUBMITTED TO,
HEAD OF DEPARTMENT, EEE

20 February 2019

About the substation:

The 400KV SRIPERUMBUDUR SUBSTATION, Irungattukottai, Tamil Nadu 602105 owned by TamilNadu Electricity Board (TNEB), was commissioned on 13th of March 1987, the first of such a station in Tamilnadu. Its capacity in MVA would be 2x315 and 2x200 and transmits voltage as 400kV/230kV and 400kV/110kV.

Industrial visit to 400kV/230V substation:

The industrial visit was arranged for B.E. Electrical students on 18th February 2018 to the 400kV/230V substation on receiving permission from the executive engineer, Sriperumbudur division. 59 students along with 4 of our staff members visited the substation. Mr. JAYAKUMAR, assistant engineer in charge of Sriperumbudur substation, welcomed and informed the students about the substation. He explained the power flow to and from the substation. He explained the operation and maintenance at the substation. He gave a brief explanation on the instrument transformers, relays, circuit breakers, earthing, step up/down transformers and their real time performance, maintenance and the cost of transmission and maintenance put together.

The students learnt about the practical design of components, equipment associated with the transmission line, their protection and control. The senior most AE in the substation was generous to share with the students and the staff his lifetime experiences in the field. He elucidated about energy sources and the need for their conservation and the need for conventional sources of energy to produce electricity. He stressed on energy conservation and the preservation and protection of our mother nature and earth. He also suggested that students improve their knowledge by developing the habit of parallel reading.

MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE CHENNAI-24**Department of Electrical and Electronics Engineering****Industrial visit to "Sunguvarchatram 400kV Substation"**

S.NO.	REGISTRATION NO.	NAME OF THE STUDENT
1	311517105001	Aadithya Sai Subramaniam S
2	311517105002	Aakash S
3	311517105003	Abishek G
4	311517105004	Akshaya R
5	311517105005	Ayisha M
6	311517105006	Balaji S
7	311517105007	Balamurugan R
8	311517105008	Bala Vigneshwar K P
9	311517105009	Brian Samuel Alfred
10	311517105010	Dharshini V
11	311517105011	Diksha H
12	311517105012	Donajai R
13	311517105013	Durga S
14	311517105014	Esther G
15	311517105015	Harini RK
16	311517105016	Hari Prasad J
17	311517105017	Hemalatha R
18	311517105018	Indhar B
19	311517105019	Ishwarya J
20	311517105020	Jerin Jack J
21	311517105021	Kabilan S
22	311517105022	Kalai Selvan R
23	311517105023	Kavya G
24	311517105024	Lalith Kumar M
25	311517105026	Lokesh M
26	311517105027	Nachiappan S
27	311517105028	Narender S
28	311517105029	Nawash Shariff T
29	311517105030	Niranjani B
30	311517105031	Nithish Kumar S
31	311517105032	Nivedha E
32	311517105033	Pavithra S
33	311517105034	Ponn Ashok R
34	311517105035	Rajbharath G
35	311517105036	Revathi Reshika R
36	311517105037	Sabareesh R
37	311517105038	Sanjeev M G
38	311517105039	Saranraj P
39	311517105040	Sarumathy N

MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE CHENNAI-24
Department of Electrical and Electronics Engineering
Industrial visit to “Sunguvarchatram 400kV Substation”

40	311517105041	Sathish S
41	311517105042	Shalini D
42	311517105043	Shivani B S
43	311517105045	Sinduja S
44	311517105046	Siva Pandian C
45	311517105047	Soundaravadanan R
46	311517105048	Soundharya I
47	311517105049	Subarna A R
48	311517105050	Subhashini D R
49	311517105051	Umer Farooq N
50	311517105052	Vidhya Sagar R
51	311517105053	Yogalakshmi T
52	311517105054	Yogeshwaran A
53	311517105301	Arun Kumar
54	311517105302	Jagadeesh D
55	311517105303	Prasanna Sriram
56	311517105304	Shankar N A
57	311517105305	Sriraman S



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
Kodambakkam, Chennai

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

INDUSTRIAL VISIT - FEEDBACK FORM

(Academic Year : 2018 - 2019)

Name of Student: Aakash S
Batch: 2017 - 2021

Organization Name: Sungamarchataram
Date of Visit: 18/2/19 substation

Q1. Was this your first Industrial Visit?

☐ Yes ☒ No

Q2. How was the learning experience at the Industrial Visit?

☐ Exceptional ☒ Very Good ☐ Good ☐ No Opinion

Q3. How likely it is for you to recommend this visit in future?

☐ Most Likely ☒ Likely ☐ Somewhat Like ☐ No Opinion

Q4. How would you rate your overall experience of the visit?

☐ Exceptional ☒ Very Good ☐ Good ☐ No Opinion

Q5. Was the Industrial Visit educational on grounds of your department?

☒ Exceptional ☐ Very Good ☐ Good ☐ No Opinion

Q6. Give your report on the Industrial Visit in not more than 100 words.

Good. Explanation and relay
operation demo was good.

Your feedback is important for planning future programming.

Aakash S
Signature of the Student

2018-19 (ODD)



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
(Managed by I.I.E.T Society)
363, Arcot Road, Kodambakkam, Chennai – 24
Approved by AICTE & Affiliated to Anna
University

DR. K.S. BABAI, B. Sc., B.E., Ph.D MS FIE MISTE
SECRETARY

Off: 044-24801636

Fax: 044-24732488

To
AGM(HR)
BHAVINI,
KALPAKKAM,
CHENNAI-603102.

28.06.2018

Respected Sir,

SUB: Requisition to permit our students III year EEE to visit your Industry
BHAVINI) – Reg.

Meenakshi Sundararajan Engineering College is situated in Kodambakkam, Centre of Chennai. It has already completed 14 years and it has been adjudged best among top 10 engineering colleges in Academic achievements by Anna University. Our college III year EEE students are interested to have industrial visit to **BHAVINI** on 13.07.2018 (OR) 20.07.2018 FRIDAY. We will be deputing 58 Students with three faculty members. The list of Persons with signature will be handed over on the date of visit. Since industrial visit is a part of their curriculum as specified by Anna University, Chennai, I hope you will be kind enough to oblige and do the needful.

Thanking you.

Yours truly,

Dr.K.S. BABAI
Secretary

भारतीय नाभिकीय विद्युत निगम लिमिटेड
(भारत सरकार का उद्यम)

IV-2018-19
ODD
SEM



BHARATIYA NABHIKIYA VIDYUT NIGAM LIMITED
(A Government of India Enterprise)

No: BHAVINI/HR-WAS/IV/2018

19.07.2018

To

Dr. K.S. Babal,
Secretary
Meenakshi Sundararajan Engineering College
No: 363 Arcot Road
Kodambakkam,
Chennai - 600 024

Sir/Madam,


Sub: Permission for Industrial Visit - Reg.

With reference to your letter dated 28.06.2018, Competent Authority has accorded approval for Industrial Visit and the students may visit to BHAVINI as per the following schedule:

S.No.	Name of the College	Total No. of		Degree & Year	Permission for visit granted on
		Staff	Students		
1.	Meenakshi Sundararajan Engineering College, Kodambakkam, Chennai	03	58	B.E.,(EEE) III year	20.07.2018 (Friday)

You shall strictly adhere with the enclosed Terms and Conditions and General Guidelines. Kindly confirm your acceptance and forward the same to the undersigned at the earliest. Otherwise, the visit stands cancelled.

Yours faithfully


(G. Mahalakshmi)
Manager(HR)
जी. महालक्ष्मी G. MAHALAKSHMI
प्रबंधक (मांस) Manager (HR)
भारतीय नाभिकीय विद्युत निगम लिमिटेड
Bharatiya Nabhikiya Vidyut Nigam Limited
(भारत सरकार का उद्यम) (Government of India Enterprise)
कल्याणकम Kalpakam - 603 102

Encl: a.a.

Cc: (i) Shri. S. Jothi, SO/G (Training Superintendent)

(ii) The In-Charge (Pass Section), CISF, BHAVINI Thro: Asst. Comdant (Pass Section) CISF BHAVINI

कारपोरेट पहचान सं (सीआईएन) / Corporate Identity No. (CIN): U40104TN2003GOI05811 , वेबसाइट /Website: www.bhavini.nic.in

कार्यालय: पीएफबीआर परियोजना भवन, कल्याणकम, कांचीपुरम जिला-603102, तमिलनाडु, भारत

Office: PFBR Project Station Building, Kalpakam, Kancheepuram Dist-603102, Tamilnadu, India.

फोन Phone: 044-27480900(Extn.:39140) (फैक्स Fax.): 044-27480988 ईमेल Email ID: gmaha@bhavini.in, gmaha_bhavini@igcar.gov.in

पंजीकृत कार्यालय: पञ्चमि नोडल, केन्द्र डॉ अम्बेडकर मार्ग, पल्लवाम कैंटोनमेंट, चेन्नई - 600043

Regd.Office: DAE Nodal Centre, Dr. Ambedkar Road, Pallavaram Cantonment, Chennai-600 043

टेलीफोन Telephone No.: 044-2264 3374, फैक्स Fax: 044-2264 3933

GENERAL GUIDELINES TO BE ADHERED BY STUDENTS DURING
INDUSTRIAL VISIT TO BHAVINI

1. The students shall maintain discipline and decorum inside BHAVINI Site. Concerned Faculty/Coordinator shall ensure the same.
2. They may visit only the permitted areas of BHAVINI.
3. Safety Procedures viz., wearing of shoes, helmet (if required) etc., shall necessarily be followed.
4. They shall cooperate with security personnel for frisking during their entry/exit at respective entry points in BHAVINI Site.
5. They shall display their Identity Cards issued by Institution during their visit.
6. No electronic items/lap top/mobile etc., shall be permitted within BHAVINI premises.
7. They are only responsible to safeguard their belongings during their visit.
8. They should dispose empty water bottles, paper cups etc., only in the respective dustbins kept in earmarked locations.
9. They may see the PFBR Models kept in earmarked locations and observe the information displayed in electronic screens but not to touch any of it.

MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
CHENNAI-24

Department of Electrical and Electronics Engineering

Industrial Visit Report-BHAVINI, Kalpakkam

Year/sem: III/V

Batch:2016-2020

No. of students: 57

The industrial visit to "BHAVINI, Kalpakkam" organized by the department of EEE on 20th July 2018. The students and three faculty members are assembled at college premises at early morning 7.30 am. First our faculty members explain the objective of visit and rules and regulations. Then we start the journey and reached the BHAVINI-Kalpakkam at 11 am.

The **Bharatiya Nabhikiya Vidyut Nigam Limited** (BHAVINI) is a wholly owned Enterprise of Government of India under the administrative control of the Department of Atomic Energy incorporated on 22 October 2003 as Public Limited Company under the companies act, 1956 with the objective of constructing and commissioning the first 500 MWe Fast Breeder Reactor (FBR) at Kalpakkam in Tamil Nadu and to pursue construction, commissioning, operation and maintenance of subsequent Fast Breeder Reactors for generation of electricity in pursuance of the schemes and programmes of Government of India under the provisions of the Atomic Energy Act, 1962.

The PFBR is a nuclear power reactor currently under construction at the Madras Atomic Power Station in Kalpakkam, Tamil Nadu. Fast breeder reactors, or FBRs, in general produce more fissile material than they consume. The PFBR in Kalpakkam will use a mixed oxide of plutonium-239 – derived from reprocessed spent fuel from the thermal pressurised heavy water reactors – and uranium-238 as fuel to generate energy in a nuclear reaction. This reaction will also produce – or 'breed' – more plutonium-239. This is possible because the reaction converts both uranium-238 in the fuel mix as well as a blanket of depleted uranium surrounding the core into plutonium.

This plutonium will then be processed and used as nuclear fuel in a chain of commercial FBRs that constitutes stage II of the nuclear programme. The stage will also include FBRs that will use thorium-232, mined in India, as a blanket. Thorium will get converted to uranium-233, which will serve as the fuel for advanced reactors in stage III. Ultimately, these reactors will burn uranium-233 and convert thorium-232 to more uranium-233, creating a self-sustaining cycle of nuclear power generation.

It was wonderful experience and the students gain the knowledge about Atomic Power plant which is the part of our curriculum. We would like to thank our management and our faculty for arranging this Industrial visit.





MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

Kodambakkam, Chennai

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

INDUSTRIAL VISIT - FEEDBACK FORM

(Academic Year : 2018 - 19)

Name of Student: Divya P
Batch: 2016 - 20

Organization Name: BHAVINI
Date of Visit: 20/7/18

Q1. Was this your first Industrial Visit?

☐ Yes ☒ No

Q2. How was the learning experience at the Industrial Visit?

☐ Exceptional ☒ Very Good ☐ Good ☐ No Opinion

Q3. How likely it is for you to recommend this visit in future?

☒ Most Likely ☐ Likely ☐ Somewhat Like ☐ No Opinion

Q4. How would you rate your overall experience of the visit?

☐ Exceptional ☒ Very Good ☐ Good ☐ No Opinion

Q5. Was the Industrial Visit educational on grounds of your department?

☐ Exceptional ☒ Very Good ☐ Good ☐ No Opinion

Q6. Give your report on the Industrial Visit in not more than 100 words.

Good experience. I understood the
operation of nuclear power plant.

Your feedback is important for planning future programming.


Signature of the Student

To:

PARASURAMAN P
Assistant Professor,
Department of EEE,
Meenakshi Sundrararajan Engg. College,
Kodambakkam,
Chennai-24

Sub: Industrial visit – Reg

Ref: Your Letter Dt: 12/07/2018.

With reference to the above regarding Industrial visit, we are Pleased to inform you that **60 Students & 3 faculties** of EEE dept in your institution are permitted to visit our Factory **premises on 04/08/2018 at 10:30 P.M**

Thanking you.

Yours faithfully,

For VI Microsystems pvt ltd.,



S. Varadharajan
Asst. Manager Customer Support



REPORT ON INDUSTRIAL VISIT

PREPARED BY,
CLASS REPRESENTATIVES,
EEE/II YEAR,
MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

SUBMITTED TO,
THE PRINCIPAL,
MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

INDUSTRY VISITED: VI MICROSYSTEMS PRIVATE LIMITED

DATE OF VISIT: 04 August 2018

The batch of EEE/II year students (58) and two staff coordinates visited the VI MICROSYSTEMS industry at perungudi on 4th of August 2018. This industry mainly focusses on the preparation and supply of electronic devices for many laboratories.

The staffs working there were friendly and addressed the students, explaining the functioning of this unit. They gave detailed explanation on the working of each and every section actively working within this unit.

The sections we were walked through were:

1. Basic introduction to Printed Circuit Boards (PCB) - types, design, fabrication and identification.
2. Mounting components on the PCB, testing and introduction to different types of IC's and their applications.
3. Instrumentation- working of a , construction, materials used and effective applications.
4. Automation system- a basic introduction to automation systems, control systems-PLC and DCB-their effective utilisation and application.

Students were taken through these sessions in 6 batches of 10 each. They interacted with the staff very effectively and gained knowledge of many electronic devices.

The sessions began at 10:00 am and concluded at around 1 noon. The students were thankful for the opportunity given to them to gain such knowledge.

This trip was highly useful for the students in terms of practical knowledge about the various electronic components. This trip will also be helpful for them to plan many projects in the near future.

MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

CHENNAI-24

Department of Electrical and Electronics Engineering
Industrial visit to "VI MICROSYSTEMS"

S.NO.	REGISTRATION NO.	NAME OF THE STUDENT
1	311517105001	Aadithya Sai Subramaniam S
2	311517105002	Aakash S
3	311517105003	Abishek G
4	311517105004	Akshaya R
5	311517105005	Ayisha M
6	311517105006	Balaji S
7	311517105007	Balamurugan R
8	311517105008	Bala Vigneshwar K P
9	311517105009	Brian Samuel Alfred
10	311517105010	Dharshini V
11	311517105011	Diksha H
12	311517105012	Donajai R
13	311517105013	Durga S
14	311517105014	Esther G
15	311517105015	Harini RK
16	311517105016	Hari Prasad J
17	311517105017	Hemalatha R
18	311517105018	Indhar B
19	311517105019	Ishwarya J
20	311517105020	Jerin Jack J
21	311517105021	Kabilan S
22	311517105022	Kalai Selvan R
23	311517105023	Kavya G
24	311517105024	Lalith Kumar M
25	311517105026	Lokesh M
26	311517105027	Nachiappan S
27	311517105028	Narender S
28	311517105029	Nawash Shariff T
29	311517105030	Niranjani B
30	311517105031	Nithish Kumar S
31	311517105032	Nivedha E
32	311517105033	Pavithra S
33	311517105034	Ponn Ashok R
34	311517105035	Rajbharath G
35	311517105036	Revathi Reshika R
36	311517105037	Sabareesh R
37	311517105038	Sanjeev M G
38	311517105039	Saranraj P
39	311517105040	Sarumathy N

**MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
CHENNAI-24**

**Department of Electrical and Electronics Engineering
Industrial visit to "VI MICROSYSTEMS"**

40	311517105041	Sathish S
41	311517105042	Shalini D
42	311517105043	Shivani B S
43	311517105045	Sinduja S
44	311517105046	Siva Pandian C
45	311517105047	Soundaravadanan R
46	311517105048	Soundharya I
47	311517105049	Subarna A R
48	311517105050	Subhashini D R
49	311517105051	Umer Farooq N
50	311517105052	Vidhya Sagar R
51	311517105053	Yogalakshmi T
52	311517105054	Yogeshwaran A
53	311517105301	Arun Kumar
54	311517105302	Jagadeesh D
55	311517105303	Prasanna Sriram
56	311517105304	Shankar N A
57	311517105305	Sriraman S



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

Kodambakkam, Chennai

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

INDUSTRIAL VISIT - FEEDBACK FORM

(Academic Year : 2018-19)

Name of Student: Hemalatha R
Batch: 2017-21

Organization Name: V Micro system
Date of Visit: 1/8/18

Q1. Was this your first Industrial Visit?

☒ Yes ☐ No

Q2. How was the learning experience at the Industrial Visit?

☐ Exceptional ☒ Very Good ☐ Good ☐ No Opinion

Q3. How likely it is for you to recommend this visit in future?

☐ Most Likely ☒ Likely ☐ Somewhat Like ☐ No Opinion

Q4. How would you rate your overall experience of the visit?

☐ Exceptional ☒ Very Good ☐ Good ☐ No Opinion

Q5. Was the Industrial Visit educational on grounds of your department?

☐ Exceptional ☒ Very Good ☐ Good ☐ No Opinion

Q6. Give your report on the Industrial Visit in not more than 100 words.

Very Interesting and Informative.

Your feedback is important for planning future programming.

Signature of the Student

INDUSTRIAL VISIT REPORT

BATCH : 2016-2020

YEAR : III

SEM: VI

BRANCH: INFORMATION TECHNOLOGY

VENUE: Cloudlogic Technologies

No 27 & 28, Bajanai Madam St,

Ellaipillaichavady, Puducherry, 605005

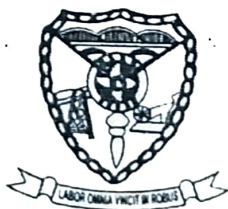
DATE : 28/02/2019

FACULTY: R.GAYATHRI

K.AKILA

K.P.SRIRAM

A.SHAJI



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE,
KODAMBAKKAM, CHENNAI-24.

INDUSTRIAL VISIT REPORT

YEAR : III

SEM : VI

VENUE : CLOUDLOGIC TECHNOLOGIES, PONDICHERRY

DATE : 28/02/19

FACULTY : R.GAYATHRI, K.AKILA

K.P.SRIRAM, A.SHAJI

CONTENTS :

1. ABOUT CLOUDLOGIC TECHNOLOGIES
2. REQUISITION LETTER
3. ACKNOWLEDGEMENT / CONFIRMATION
4. NAME LIST
5. UNDERTAKING FORMS
6. AGENDA
7. REPORT
8. PHOTOGRAPHS
9. BUS DETAILS
10. FEEDBACK
11. THANKING MAIL

CLOUDLOGIC TECHNOLOGIES,PONDICHERRY

Cloudlogic Technologies was established in the year of 2011 to provide IT solution enabled to small and medium enterprises and corporate level to help them streamline administration, improve operational efficiency, enhance productivity, effectively combat competition, enlarge market share and facilitate overall growth. It is the best software development and web designing company in Puducherry - INDIA, and also it is one of the most top level website designing companies in Puducherry.

Services:

- 1) Mobile Application Development
- 2) Web Application Development
- 3) Website Designing
- 4) Digital marketing
- 5) E-Commerce Development
- 6) Cloud Services

27/2/2019

From,
B.Tech IT (IIIrd Year),
MSEC,
Kodambakkam, Chennai- 24

To,
The HOD,
Dept. of IT,
MSEC,
Kodambakkam,
Chennai - 24.

Respected Madam,

Sub: Request for Industrial Visit.

We request you to kindly grant us
permission to go on an Industrial Visit
to cloud Logic Technologies, Puducherry on
28th February, 2019.

Thanking You.

Your's sincerely,

Forwarded to HOD
S. Vignesh

1. Akila.

2. Gayathri

2. Shaji.

H. Saranam

Shubani

S. Bala

S. P. S.

Rohit



Kanimozhi A, HOD - Information Technology - Meenakshi Sundararajan Engineering College <hod.it@msec.edu.in>

Reg-Industrial visit

Kanimozhi A, HOD - Information Technology - Meenakshi Sundararajan Engineering College <hod.it@msec.edu.in>
info@cloudlogic.tech


Wed, Feb 27, 2019 at 11:23 AM

The students of IIIrd year Information Technology of **Meenakshi Sundararajan Engineering College(MSEC), Kodambakkam, Chennai**, would like to visit your esteemed industry **Cloudlogic Technologies** as part of Industrial Visit for this academic year. Each year, slots are allotted to visit industries in order to enrich their knowledge apart from academics.

We believe this visit would prove to be very educative and provide an opportunity for the students to gain knowledge extensively. We request you to kindly grant permission on 28th February 2019. we are totally 60 members including both staff members and students will come on that date. I have also enclosed the students details for your kind reference. Please arrange the needful for the same.

Thanking you.

--
Regards
A.Kanimozhi
Asst.Prof / HOD / IT
Meenakshi Sundararajan Engg College
Kodambakkam,
Chennai - 24
Phone: 98411 73162

 **STUDENTS DETAILS.xlsx**
15K



Kanimozhi A, HOD - Information Technology - Meenakshi Sundararajan Engineering College <hod.it@msec.edu.in>

Reg-Industrial visit

CloudLogic Info <info@cloudlogic.tech>
: hod.it@msec.edu.in

Wed, Feb 27, 2019 at 12:45 PM

Dear Madam,

We feel privileged to conduct industrial visit for the students from your esteemed organisation. During the session students can gain knowledge about Microsoft Azure and it's GIT controls.

Hereby I confirm your vvisit. Lookingd to host your students.

Thanks,
Aishwarya.

--- On Wed, 27 Feb 2019 11:23:50 +0530 hod.it@msec.edu.in wrote ---
Quoted text hidden]



Meenakshi Sundararajan Engineering College
(Managed by I.I.E.T Society)
363, Arcot Road, Kodambakkam, Chennai – 24

K.S.Babai, B.Sc., B.E., MS., FIE., MISTE.,
Principal

Ph: 24721977

Fax: 24811103

27 Feb 2019

BONAFIDE CERTIFICATE

This is to certify that the following Staffs and Students are from Meenakshi Sundararajan Engineering College, Department of Information Technology, who are going to visit Cloud Logic Technologies, Pondichery on 28th February 2019.

Staffs : Mrs.R.Gayathri , Mrs.K.Akila, Mr.K.P.Sriram and Mr. A.Shaji.

Students:

- | | | |
|-----------------------|------------------------|---------------------|
| 1. Akash S.M | 23. Janhavi.M.S | 45. Shalini.M |
| 2. Asadullah.A | 24. Jeeva.B | 46. Sharmila.S |
| 3. Ashwin Kumaar J.G | 25. Karthikeyan.A | 47. Sivahari.S |
| 4. Bhargavi.G | 26. Karunya.A | 48. Sivaranjani.V |
| 5. Carthikeyan.C | 27. Madurya.V | 49. Sridharan.S |
| 6. Dharani.B | 28. Monika.K | 50. SriRam.M |
| 7. Dheepa Shri.A | 29. Nandhinee.A | 51. Swetha.N |
| 8. Divakar.M | 30. Nasreen.S | 52. Swetha.N.G |
| 9. Ganga.G | 31. Pavithra.K | 53. Valarmathy.M |
| 10. Gayathri.M | 32. Pavithra.K(6/5/99) | 54. Veena.k |
| 11. Gayathri.V | 33. Pavithra.S | 55. Vigneshwaran.V |
| 12. Gudan.E | 34. Pon Ishwarya.J | 56. Vijayalakshmi.N |
| 13. Gunasekaran.M | 35. Poongai Lakshmi | 57. Sharan.S |
| 14. Gunavathy.R | 36. Prakash Raj.B | |
| 15. Hamsaveni.J | 37. Priya Dharshini.S | |
| 16. Harini Venugopal. | 38. RajaShymala.M | |
| 17. Harsha.M | 39. Ramyasri.M | |
| 18. Humaira Irfana | 40. Sandhya.S | |
| 19. Iswarya.M | 41. Santhosh.M | |
| 20. JaiSupriya.S | 42. Sathyalakshmi.K | |
| 21. Janani.H | 43. Satyavvratha.S | |
| 22. Janani.T.M | 44. Selvabharathy.K | |

K.S.Babai

Secretary

MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
DEPARTMENT OF INFORMATION TECHNOLOGY
BATCH (2016-2020)

S.NO	Register No	Name	Email ID
1	311516205001	Akash.S.M	akashthala02@gmail.com
2	311516205002	Asadullah.A	alasadullah002@gmail.com
3	311516205003	Ashwin Kumaar.J.G	ashwinkumaar07@gmail.com
4	311516205004	G.BHARGAVI	bhargavi.gunupudi@gmail.com
5	311516205005	Carthikeyan.C	carthick18cool@gmail.com
6	311516205006	Dharani.B	ddharanibadri123@gmail.com
7	311516205007	DHEEPAA SHRI.A	dheeps1198@gmail.com
8	311516205008	Divakar.M	mdivakar5@gmail.com
9	311516205009	G.GANGA	subburamanian642@gmail.com
10	311516205010	GAYATHRI.M	gaya3mani10@yahoo.com
11	311516205011	Gayathri.v	gayathrivijay2016@gmail.com
12	311516205012	Gugan.E	gugansps.yah@gmail.com
13	311516205013	Gunasekaran.M	guna4142@gmail.com
14	311516205014	R.GUNAVATHY	sowmiyaravisowmi1234@gmail.com
15	311516205015	HAMSAVENI.J	venijo99@gmail.com
16	311516205016	HARTINI VENUGOPAL	uvharini@gmail.com
17	311516205017	HARSHA.M	harshabalan06@gmail.com
18	311516205018	Humaira Irfana	irfana.humaira@gmail.com
19	311516205019	ISWARYA M	iswarya.madhu98@gmail.com
20	311516205020	S.JAISUPRIYA	supsree99@gmail.com
21	311516205021	JANANI.H	hemachandranjanani17@gmail.com
22	311516205022	JANANI.T.M	jananithiru2398@gmail.com
23	311516205023	M.S.JANHAVI	janhavi.mohan@gmail.com
24	311516205024	Jeeva.B	jeeva361997@gmail.com
25	311516205025	Karthikeyan.A	keyank794@gmail.com
26	311516205026	KARUNYA.A	minikanama@gmail.com
27	311516205027	MADURYA	madurya16@gmail.com
28	311516205028	Monika.K	monikavicky01@gmail.com
29	311516205029	Nandhinee.A	arasunandhinee@gmail.com
30	311516205030	Nasreen. S	nasreen.try@gmail.com
31	311516205031	Pavithra.k	splpavi@gmail.com

32	311516205032	PAVITHRA.K	kpavithra1330@gmail.com
33	311516205033	PAVITHRA.S	pavithra1998@yahoo.in
34	311516205034	Pon Ishwarya.J	cuteish.ish@gmail.com
35	311516205035	S.POONGAI LAKSHMI	poongailakshmi99@gmail.com
36	311516205036	Prakash Raj.B	prakash8122@gmail.com
37	311516205037	PRIYADHARSHINI.S	priyaranji2508@gmail.com
38	311516205038	RAJASHYAMALA	shyamalavmksamy@gmail.com
39	311516205039	M.Ramya sri .	Ramyasrimurali17@gmail.com
40	311516205040	Sandhiya.S	sandym301@gmail.com
41	311516205041	Santhosh.M	thosh9142@gmail.com
42	311516205042	K. Sathyalakshmi	sallyk34567@gmail.com
43	311516205043	SATYAVRATHA.S	shanti123123@yahoo.com
44	311516205044	SELVABHARATHY	sbkisnt98@gmail.com
45	311516205045	SHALINI.M	shalinimanohar98@gmail.com
46	311516205046	SHARMILA.S	sharmilasrinivasan24@gmail.com
47	311516205047	Sivahari.S	sivahari.s24@gmail.com
48	311516205048	V. Sivaranjani	Sivaranjaniv99@gmail.com
49	311516205049	Sridharan.S	sridhar.s2409@gmail.com
50	311516205050	Sriram.M	sriram281999@gmail.com
51	311516205051	Swetha N	sweraghav31@gmail.com
52	311516205052	swetha.N.G	ngswetha99@gmail.com
53	311516205053	Valarmathy.M	Valarvaan@gmail.com
54	311516205054	Veena k	veenakeerthipati3@gmail.com
55	311516205055	Vigneshwaran.V	mailme.vicky270199@gmail.com
56	311516205056	VIJAYALAKSHMI	vijinach1810@gmail.com
57	311516205057	Sharan.S	sharanzuse1997@gmail.com

From

III Year IT

MSEC,

Chennai - 24

To

The HOD,

Dept of IT,

MSEC,

Chennai - 24

Respected Madam,

Sub: Review of Industrial visit to "Cloudlogic Technologies" Pondicherry.

Our Industrial visit was on 28th Feb '19.

We departed from the College at 6.55 am and reached Cloud Logic Technologies at 2.00 pm. We had a session of Bitbucket, JWE in batches of two. The session was informative and gave a basic idea about client management. We reached the college at 9.15 pm.

Thank you.

Yours sincerely,

III Year IT.



SBLT

Sri Bhagiyalakshmi Tours & Travels
 Plot No: 1310, 13th Main Road, Anna Nagar, Chennai, 600040, India
 4446664666 - 9841699966
 s@sb.lt.co.in
 http://www.sblt.co.in

Tour Advance Booking Sheet

	Booked Date & Time	22-02-2019 13:10:04Hrs
	Booked By	Meenachi College / 8807057077
	Reporting Details Praksh Meenachi College Chennai Tamil Nadu 8807057077 8056265588 prakash8122@gmail.com	
Journey On: 28-02-2019, Thursday	Reporting Time: 6:00 Hrs	
Tour No: OS192156	No Of Days: 1	
No Of Vehicle: 1	Coach: 50 Seater Non A/c	

Particular	Amount	Discount	Total
Booking for Chennai - Sriharikota , 28-02-2019 - 28-02-2019	16000	0	16,000.00
Sub Total			Rs. 16,000.00/-
Total Trip Amount			Rs. 16,000.00/-
Paid Amount			Rs. 6,000.00/-
Balance Amount			Rs. 10,000.00/-

Information
 Ampakkam to Sriharikota
Special Instructions
 & Parking Extra

Amount in Words : Rupees Sixteen Thousands INR Only

Parking extra*
 than coverage KM extra charges will be applicable* Coverage KM for this trip = 250 Extra per km cost for this trip = 55

Further details of vehicle & driver to check with us
 9841672777
 Murali Krishnan 9841698499
 Sridhar 9841699966
 Online

Bank Details

Bank Account Number : 0287102000009089
 Bank Name : IDBI Bank Ltd
 Branch : Kellys
 Bank Branch IFSC : IBKL0000287

for Sri Bhagiyalakshmi Tours & Travels

Authorised Signatory

INDUSTRIAL VISIT REPORT

BATCH : 2017-2021

YEAR : II

BRANCH: INFORMATION TECHNOLOGY

SEM: IV

VENUE: COGNIZANT TECHNOLOGY SOLUTIONS

PLOT NO:40,41,44 ,

Sipcot It park,

Old Mahabalipuram road,

Siruseri,Chennai-603103

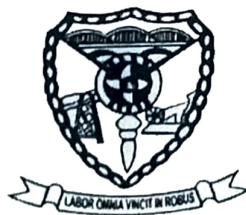
Tamil Nadu

DATE : 12/02/2019

FACULTY: Priskilla Manonmani S.

Sarala Shobini M.

Sriram K.P.



**MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE,
KODAMBAKKAM, CHENNAI-24.**

18.01.19.

From:-

IT 2nd Year,
MSEC, Kodambakkam,
Chennai.

To:-

The Principal,
MSEC,
Chennai.


Respected Sir/Madam:-

Subject:- Requesting for Industrial visit.

As we are the student of IT 2nd year,
we would like to go for an Industrial
visit to CTS, Chennai. Please kindly grant
us the permission to go for an Industrial
visit as soon as possible. (15.02.19) FRIDAY.

Thank You,

Yours sincerely,
Lakshmi Priya K


P. R. S.

Staff:-

1. K. P. Srinivas
2. Sarala
3. Priya
4. P. S. Killa

Forwarded to HOD
Officially
Forwarded to
Principal
P. R. S.

18/1/19,
Chennai.

From: Internal Quality Assurance Cell - MSEC <iqac@msec.edu.in>

Sent: Tuesday, January 22, 2019 1:01 PM

To: R. Anand (Cognizant) <Anand.R2@cognizant.com>

Subject: requesting for industrial visit

Respected Sir,

Meenakshi Sundararajan Engineering College is one of the most reputed colleges under Anna University. It provides a nurturing environment for the students and has continually churned out quality engineers every year. We, the students of the department of Information Technology, would like to visit your company for an Industrial visit as a part of our learning process.

We believe that this would be an enriching experience and that we would benefit a lot from knowing the work place of your esteemed organisation. Kindly permit us to visit on any day of your convenience. We will be happy to hear from you.

From: <Anand.R2@cognizant.com>

Date: Fri, 8 Feb 2019, 11:23

Subject: RE: requesting for industrial visit

To: <iqac@msec.edu.in>

Dear Prof,

We can have on 12th Feb Tuesday

Thanks & Regards,

Anand R

Human Resources - Talent Acquisition | Cognizant Technology Solutions



lakshmi priya <lakshmipriya3004@gmail.com>

Fwd: Regd industrial visit

message

Mon, Feb 11, 2019 at 12:53 PM

Sriram <leosn786@gmail.com>

lakshmi priya <lakshmipriya3004@gmail.com>

----- Forwarded message -----

From: **Internal Quality Assurance Cell - MSEC** <iqac@msec.edu.in>

Date: Mon, Feb 11, 2019 at 12:58 PM

Subject: Fwd: Regd industrial visit

To: Sriram IT <leosn786@gmail.com>

Dear Prof,

We are glad to host Industrial visit for 54 students on 12th Feb from 10.00 am – 1.00 pm at Cognizant, Siruseri premises.

Date – 12th Feb 2019 (Tuesday)

Reporting Time – 10.00 am

Venue – Flexi Hall, Ground Floor, Academy Building, Cognizant Technology Solutions, Plot No H-4, SIPCOT IT Park, Old Mahabalipuram Road, Siruseri, Chennai. (Entrance Opp to Capegemini)

HR POC: Anand (7358055742)

Kindly share the below pointers to the students to be part of the visit.

The students should strictly follow formal dress code – Formal Shirt, Formal Trouser, Formal Shoes. The students not adhering the dress code will not be permitted inside the premises.

The Visitor pass id card should be displayed while being at the Cognizant premises. The visitor id card should not be pinned / hanged.

Laptop, camera, pen drive, hard disk or any other electronic goods is not permitted inside the premises.

Photographs is not permitted inside the Cognizant premises.

Kindly inform the students to make sure they maintain silence and discipline inside the premises as few clients will be visiting the office on that day.

All the Participants are requested to be dressed in formals with their college ID cards & one valid government ID card and behave in a well-disciplined manner.

Participants should not enter any work cubicles/ buildings without the consent/accompaniment of the HR POC.

Participants may carry a notepad/ pen to jot down points from the session.

Lunch & Refreshments would be provided.

Kindly reach self for any clarifications.

Thanks & Regards,

Anand R

Human Resources - Talent Acquisition | Cognizant Technology Solutions

Office: (+91-735-805-5742) | VNET: 441186

Sign

From: Internal Quality Assurance Cell - MSEC <iqac@msec.edu.in>

Sent: Friday, February 08, 2019 1:00 PM

To: R, Anand (Cognizant) <Anand.R2@cognizant.com>

Subject: Regd industrial visit

Dear Sir,

As we discussed earlier we can schedule the industrial visit on 12th Feb at siruseri. I am sharing the database of 2nd year Information technology students with this mail. Kindly do the needful.

C.P.SRIRAM,M.E.,M.B.A.,
ASSISTANT PROFESSOR,
DEPARTMENT OF INFORMATION TECHNOLOGY,
MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE,
ODAMBAKKAM,CHENNAI-600024,
MOBILE:9597284040.

Cognizant Image001.jpg
4K

COGNIZANT TECHNOLOGY

SOLUTIONS, SIRUSERI

Cognizant is an American multinational corporation that provides IT services including digital, technology, consulting and operating services. It is headquartered in Teeneck, New Jersey, United States. Cognizant is included in the NASDAQ-100 and the S&P 500 indices .It is also one of the fastest growing fortune 500 companies. It was founded as an in-house technology unit of Dun & Bradstreet in 1994,and started serving external clients in 1996.It was founded on January 26 1994.They celebrated 25 year experience this January .

Cognizant provides information technology ,information security ,consulting ,ITO and BPO services .These includes business and technology consulting ,systems integration ,application development and maintenance ,IT infrastructure services, analytics ,business intelligence ,data warehousing ,customer relationship management ,supply chain management and testing solutions



Meenakshi Sundararajan Engineering College
(Managed by I.I.E.T Society)
363, Arcot Road, Kodambakkam, Chennai – 24

DEPARTMENT OF INFORMATION TECHNOLOGY

II YEAR (2017 – 2021)

AGENDA FOR THE INDUSTRIAL VISIT ON 12-02-2019

07:45 A.M – Starting from college

10:00 A.M – Reaching cognizant technologies,siruseri

11:00 A.M– 1:00 P.M – Session 1

1:00 P.M – 2:00 P.M- Lunch

2:00 P.M – 3:00 P.M – Session 2

3:30 P.M – Starting from cognizant technologies,siruseri

5:30 P.M – Reaching college

From

II Year IT – Batch 2017-21(Students),

Department of Information technology,

Meenakshi Sundararajan Engineering College,

Kodambakkam ,

Chennai -24.

To

The Principal,

Meenakshi Sundararajan Engineering College,

Kodambakkam ,

Chennai -24.

Respected Madam,

Sub: Industrial visit – regarding gate pass

With your knowledge, we planned an Industrial visit to COGNIZANT TECHNOLOGIES,SIRUSERI

09-02-2019(Saturday) accompanied by our faculty advisors

1. K.P.Sriram
2. Sarala shobini M
3. Priskilla manonmani.S

We kindly request you to allow us to leave the college premises by 7:00 A.M and we assure that we will abide by the rules and return back safely.

Thanking You.

Yours sincerely,

Enclosure:

Namelist of students

S.No	FIRST NAME	LAST NAME(INITIAL)	EMAIL-ID	Indicate whether it's the name of a Student/Faculty	Gender
	II ND YEAR IT				
1	ABISEKK	S	abisekkshan@gmail.com	STUDENT	Male
2	ALEEMULLAH KHAN	Md.N	stuningaleem@gmail.com	STUDENT	Male
3	AMUTHAN	V	amuthuthi@gmail.com	STUDENT	Male
4	ANUPRIYA	V	anupriyavasud@gmail.com	STUDENT	Female
5	ARUN	T	djarunwithyou@gmail.com	STUDENT	Male
6	AVINASH	A	avinasharavindhan@gmail.com	STUDENT	Male
7	BADRINARAYANAN	V	badri3019@gmail.com	STUDENT	Male
8	BENITA MERLIN	P	benitamers500@gmail.com	STUDENT	Female
9	DELHI BABU	D	dharmalingamprema105@gmail.com	STUDENT	Male
10	DEVI	A	perumal90022002@yahoo.com	STUDENT	Female
11	DHARANIPRIYA	R	mailtodharanipriya@gmail.com	STUDENT	Female
12	GOKILAVANI	S	ggoki5553@gmail.com	STUDENT	Female
13	GOKUL	G.P		STUDENT	Male
14	HARSHINI	K	harshinikarnan1030@gmail.com	STUDENT	Female
15	JANARTHANAN	P	janarthananpj2000@gmail.com	STUDENT	Male
16	JAYASHREE	V	bamavaradarajan1428@gmail.com	STUDENT	Female
17	KAMALINIE	K	kamalinie2000@ggmail.com	STUDENT	Female
18	KAVIYA	M	kishore4258@gmail.com	STUDENT	Female
19	KEERTHANA	R	rkeerthana2399@gmail.com	STUDENT	Female
20	KEERTHANA	T	tkeerthana1999@gmail.com	STUDENT	Female
21	LAKSHMI KUMAR		lakshmi14012000@gmail.com	STUDENT	Female

22	LAKSHMI PRIYA	K	lakshmipriya3004@gmail.com	STUDENT	Female
23	MANIKANDAN	C	sparkmani2000@gmail.com	STUDENT	Male
24	MANIKANDAN	S	manikandansaravanan1319@gmail.com	STUDENT	Male
25	MEGHANA	N	meg.meghu@gmail.com	STUDENT	Female
26	MEIKANDAN	V	meikandanvedagiri@gmail.com	STUDENT	Male
27	MONICA	N	mail2monica15@gmail.com	STUDENT	Female
28	NANDHINI	K	nandhinik1011@gmail.com	STUDENT	Female
29	NITYASRI	C.B	yokeshkb@gmail.com	STUDENT	Female
30	PRASANNA	S	prasanna9713@gmail.com	STUDENT	Male
31	PRIYADARSHNI	S	priyanov101999@gmail.com	STUDENT	Female
32	PUJAH	B	pujahlbalasubramiam55@gmail.com	STUDENT	Female
33	RINKA	V	rinkaswiftie@gmail.com	STUDENT	Female
34	SANDHIYA	S	sandhiyasankar82@gmail.com	STUDENT	Female
35	SANKARESWARI	R	rsankareshwari99@gmail.com	STUDENT	Female
36	SANTHIYA	G	sansanthiya1999@gmail.com	STUDENT	Female
37	SASI REHA	V	rehavelu@gmail.com	STUDENT	Female
38	SATHISH	P	sathishanu@220@gmail.com	STUDENT	Male
39	SATHISH KUMAR	V	sk7155694@gmail.com	STUDENT	Male
40	SINDHA PARI	K		STUDENT	Male
41	SOUNDARYA	R	soundaryaravi1999@gmail.com	STUDENT	Female
42	SOWMIYA	S	sowmiyas61841@gmail.com	STUDENT	Female
43	SREE RANJANI	M	pmsuma1963@gmail.com	STUDENT	Female
44	SRILAKSHMI	B	srilakshmiageetha27@gmail.com	STUDENT	Female
45	SRUTHI	C.M	sruthicdmb@gmail.com	STUDENT	Female
46	SUPRAJA	V	suprajal106@gmail.com	STUDENT	Female

47	SURYANARAYANAN	K	suryakrishnan92@gmail.com	STUDENT	Male
48	SUSEENDARAN	K	suseesusee444@gmail.com	STUDENT	Male
49	SWETHA	P	swetha99ulm@gmail.com	STUDENT	Female
50	SWETHA	S	swesara12@gmail.com	STUDENT	Female
51	VENKATESH	V	venkatwiz25@gmail.com	STUDENT	Male
52	VINCEYY KEERTHIKA	D	lirvin2000@icloud.com	STUDENT	Female
53	VISHAL	S	menonv6@gmail.com	STUDENT	Male
54	YASHWANTH	Y	yashwanthbai@gmail.com	STUDENT	Male
55	Priskilla Manonmani	S	priskisam@gmail.com	FACULTY	Female
56	Priya	J	pria.manikandan@gmail.com	FACULTY	Female
57	Sarala Shobini	M	sarala.msec@gmail.com	FACULTY	Female
58	Sriram	K.P	leosri786@gmail.com	FACULTY	Male

SHRI BHAGIYALAKSHMI TRAVELS

No. A - 35, Chennai Contract Carriage Bus Terminal, Koyambedu, Chennai - 600 092.

Phone No. : 24795999, 24792520, 24795090 Cell No. : 98407 94924, 98407 94927, 9500051511

Resavan - 8754461511

Dt - 08/02/2019
923

TOUR BOOKING DETAILS

Party Name

: MEENAKSHI SUNDARRAJAN ENGLI COLLEGE

Address

: No. 363, Arcot Road, Kodambakkam
Chennai

Place to Visit

: KODAMBAKKAM To
SIRUSERI To
KODAMBAKKAM

Tour Date

: From: 12/02/19 To: 12/02/19

Telephone Number

: 8838859913 / 9994284169

Departure Time & Date

: 12/02/19 - Morning - 6.00 AM

Number of Seats & Total Vehicles

: 54 Seater Non-A/c (1) Bus

Booking Office & Person

: K. PADMA

Booking Amount

: Total Amount : 9,000

Advance : 5,000

Balance : 4,000

Remaining Balance at the time of Departure

Charges:

Free Parking and PC. Check post Mamul

Je Padma
Booking Incharge Signature

Remarks	
College Name	Meenakshi Sundararajan Engineering College
Degree & Department (B.E/B. Tech/M.E/M.Tech/MCA/M.S) IT/CS	B .Tech-Information Technology
Year (I, II, III, IV)	II
Semester (1,2,3,4,5,6,7,8)	4
Industrial Visit Proposed Dates (Saturdays only)	12-Feb
Number of Students (Min 50 - Max 100 students only)	54
Number of Faculties (Max 5 faculties only)	4
Faculty POC Name	
Faculty POC Contact No	
Approx No of External Vehicles	1
Approx No of Drivers/ Cleaners travelling (for lunch arrangements)	2

* Please submit this form to AbsalaPreamRegin.Susaiyah@cognizant.com, atleast 10 days prior to the preferred dates

* A College/Group of colleges can submit 1 form per month

Industrial visits are scheduled on Saturdays from 10.00am - 12.30pm
In an Industrial visit, we would be arranging for a guest lecture on selected topics at our Auditorium for the audience.
All the Participants are requested to be dressed in formal with their college ID cards and behave in a well-disciplined manner.
Participants should not enter any work cubicles/ buildings without the consent/accompanymnt of the HR POC.
Participants may carry a notepad/ pen to jot down points from the session.
Electronic/ Storage devices are not permitted (Except Mob Phones)
Photography is strictly prohibited in the office premises.
Lunch & Refreshments would be provided.
A confirmation mail would be shared once the IV is scheduled, certificates would not be issued.

From,
II year IT,
MSEC,
Chennai-24.

To,
The HOD,
B.Tech IT,
MSEC,
Chennai-24.

Respected Madam,

Sub: Review of Industrial Visit to CTS, Siruseri dated 12th feb 2019.

We departed from the college at 8.30 am and reached CTS at 10 am. The session started with a warm welcome by the Mr Anand of the Human resources team , Cognizant. We were welcomed into an auditorium to start our session. We were given a brief introduction about the company, their working atmosphere ,the current projects they are working on and their expectations from a fresher. Soon we had an interactive session including group activities like team debate, team play ,etc. We learnt a lot through the session and gained more exposure .The session concluded at 2p.m. with our alumni sharing her working experience in the company .We had lunch with all other employees in the premises. Later we took group photo with the H.R. and started from there. We reached the college at 4.30 pm. The Industrial Visit was very informative and useful. Thank you for providing us this wonderful opportunity.

Thank you,

Yours sincerely,

II Year IT.







**RAJALAKSHMI
ENGINEERING COLLEGE**
An AUTONOMOUS Institution
Affiliated to ANNA UNIVERSITY, Chennai



Dt: 08.03.2019

To,
Mr. R. Arivazhagan
Associate Professor
Department of Civil Engineering
Meenakshi Sundararajan Engineering College
Chennai

Respected Sir,

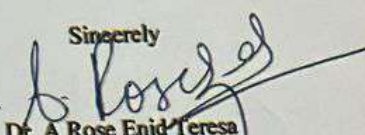
Sub: Invite for guest lecture on Soil Mechanics on 13.03.2019 – reg

Greetings from Rajalakshmi Engineering College!

We are pleased to invite you for a guest lecture on Soil Mechanics for the II year Civil Engineering students. The lecture is scheduled on 13.03.19 (Wednesday) from 10.30 am to 12.30 pm. It is an honour to have you as a resource person. I kindly request you to accept our invitation and deliver a lecture on the same.

Thanking You,

Sincerely


Dr. A Rose Enid Teresa

Professor & Head
Department of Civil Engineering
Rajalakshmi Engineering College

Head of the Department
Department of Civil Engineering
Rajalakshmi Engineering College
Thandalam, Chennai-602 105.



COLLEGE: Rajalakshmi Nagar, Thandalam, Chennai - 602 105, India. Ph.: 044-37181111, 37181112 Email: admin@rajalakshmi.edu.in
CITY OFFICE: 69, New Avadi Road, Kilpauk, Chennai - 600 010, India. Ph.: 044-26442472, 26461316 Fax: 044-26445151 Email: cityoffice@rajalakshmi.edu.in
www.rajalakshmi.org

Rajalakshmi
Institution
Because the World



St. Peter's Institute of Higher Education and Research

(Deemed to be University under section 3 of the UGC Act 1956)

Phone: 044-26558087 / 26558090 Fax: 044-26555430

Email: spiher@stpetersuniversity.org

Website: www.spiher.ac.in

14/03/2019

To

Mr. Arivazhagan,

Assistant Professor,

Meenakshi Sundararajan Engineering College,

Kodmabakkam, Chennai.

Sir,

We are pleased to invite you as Keynote Speaker for National Conference on "Innovations in Civil Engineering" on 19th March 2019, to be held in Mechanical Block seminar hall of our institution.

Thanking You

Yours sincerely,

Dr. P. Asha

Convenor, ICE 2019

f



Request for Guest Lecture at VIT VELLORE



Inbox



Jagadeesh Putta 21/08/2018

to me ▾



Dear Sir,

I invite The Principal, Meenakshi SundaraRajan
Engineering College, Chennai. to come give GUEST
TALK at VIT VELLORE.

Thanks in advance for your kind cooperation.

With regards,

Dr. P. Jagadeesh

Professor

School of Civil & Chemical Engineering

VIT University

Vellore - 632 014, TN.

India.



Draft 23:29

to ▾





ICONTEACE 2018 - SRMIST



Inbox



Sathya Nathan R 04/05/2018

to me, hod, Deepthathattai ▾



Dear Sir,

Your invited talk is scheduled on 11th May 2018 at 09.15 am. We also request you to chair the same session (11th May 2018, 11.15 am – 1.00 pm).

Regards,
Dr. R. Sathyanathan
Coordinator - ICONTEACE 2018
Associate Professor
Department of Civil Engineering
SRM Institute of Science and Technology
Kattankulathur 603 203



P K Suresh 04/05/2018

to Sathya ▾



ok with pleasure

[Show quoted text](#)

—

Dr p k suresh





DHANALAKSHMI SRINIVASAN COLLEGE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE & Affiliated to Anna University, Chennai)

Accredited with 'A' Grade by NAAC

East Coast Road, Mamallapuram, CHENNAI-603 104, Tamil Nadu.

Ph : 044-2744 2844
2744 3844
Dir : 044-2744 3388
Fax : 044-2744 2988

r. V.SEKAR B.E., M.Tech., Ph.D.,
Principal

Date

31.7.18

To

Mr.R.Venkatesh,

Assistant Professor,

Department of CSE,

Meenakshi Sundararajan Engineering College,

Chennai.

Dear Sir,

Thank you very much for delivering an informative & thought provoking lecture as guest speaker on **"THEORY OF COMPUTATION"** held on 31st July, 2018 at Dhanalakshmi Srinivasan College Of Engineering & Technology.

It was really a splendid presentation which exposed students to the field practices. All the students got benefited from your views on the subject.

Looking forward for your cooperation for the promotion of professional education in future as well.

Thanks and Regards,

V. Sekar
31/7/18



REVIEWER CERTIFICATE

International Journal of

COMMUNICATION *systems*

THIS CERTIFICATE IS AWARDED TO

SANDHYA M K

WE HEREBY NOTIFY THAT THE PERSON ABOVE HAS BEEN SERVING AS A REVIEWER OF
INTERNATIONAL JOURNAL OF COMMUNICATION SYSTEMS.

WE ARE GRATEFUL TO SANDHYA M K FOR REVIEWING 1 MANUSCRIPT IN 2018.

Prof. Mohammad S. Obaidat
Editor-in-Chief

16 July 2019

WILEY



From

Dr. R. Anitha
Professor and Head,
Department of Computer Science and Engineering,
Sri Venkateswara College of Engineering,
Sriperumbudur, 602117.

To

Dr. M. K. Sandhya,
Associate Professor,
Department of Computer Science and Engineering,
MeenakshiSundarajan Engineering College,
Chennai-600 024.

Dear Madam,

Sub: Confirmation Meeting of C. Muralidharan- Reg.

The Confirmation meeting of C. Muralidharan (1613499339) is scheduled on 04.09.2018 (Tuesday) at 3.30 p.m. at the Department of Computer Science and Engineering, SVCE. As you are one of the Doctoral Committee members. I request you to kindly make it convenient to attend the meeting and give your valuable suggestions.

Thanking You,

Place: Sriperumbudur

Date: 03/09/2018



Yours faithfully,

(Dr. R. Anitha)

Dr.R. ANITHA, M.F., Ph.D.,
Professor & Head
Dept. of computer Science & Engineering
Sri Venkateswara College of Engineering
Pennalur, Sriperumbudur Taluk - 602 117,
Tamil Nadu, India



Monica J, HOD - Computer Science Engineering - Meenakshi Sundararajan Engineering College <hod.cse@msec.edu.in>

eg. Loyola-ICAM Conference (ICCIS'19) - Papers to Review

essages

ICCIS Conference Loyola-ICAM <iccis.it@gmail.com>
hod.cse@msec.edu.in

Mon, Dec 24, 2018 at 10:49 AM

Dear Professor,

Greetings.

Thank you for being one of the **member in the technical committee** of International Conference on Computing and Information Systems (ICCIS'19), which is organized by the Department of Information Technology, Loyola-ICAM College of Engineering & Technology (LICET) on 28th Feb and 1st March 2019.

Please find in the attachment the papers to review.

Comparative Analysis of Graph based CBIR Algorithms	IP02
A Survey on Dynamic Load Balancing Techniques in Cloud Environment	CC03

Kindly review this paper and fill your evaluation in the google form on or before 29th Dec 2018.

Evaluation form is below:

ICCIS'19 - Review Form

Kindly acknowledge this mail.
Thank you for your consideration.

Conference: www.iccis.in

Thanks & Regards,

ICCIS'18 Chair
Dept. of Information Technology,
Loyola-ICAM College of Engineering & Technology (LICET),
Loyola Campus, Chennai-34

Monica J, HOD - Computer Science Engineering - Meenakshi Sundararajan Engineering College <hod.cse@msec.edu.in>
ICCIS Conference Loyola-ICAM <iccis.it@gmail.com>

Mon, Dec 24, 2018 at 11:22 AM

Dear professor,

Received your mail.

[Quoted text hidden]

Regards,

Monica Jenefer

Head, Department of Computer Science & Engineering,

mail.google.com/mail/u/0?ik=6f09401f0d&view=pt&search=all&permthid=thread-f%3A1620709273641804653&simpl=msg-f%3A1620709273641804653 1/

ICCIS'19 - Loyola-ICAM Conference (ICCIS'19) - Papers to Review

message

ICCIS'19 - Loyola-ICAM <iccis.it@gmail.com>
Sandhya Kumar <mksans@gmail.com>

Sat, Nov 24, 2018 at 10:00 AM

Dear Professor,

meetings.

Thank you for being one of the **member in the technical committee** of International Conference on Computing and Information Systems (ICCIS'19) to be held in the Department of Information Technology, Loyola-ICAM College of Engineering & Technology (LICET) on 28th Feb and 1st March 2019.

Please find in the attachment the papers to review.

Survey on Algorithms and Keys used in Cryptography	SEC01
Machine Learning Models for Health Sector – A Survey	ML01

Kindly review this paper and fill your evaluation in the google form on or before 28th November 2018.

Google form link is below:



 [ICCIS'19 - Review Form](#)

Thank you for your valuable time and consideration.

Thanks & Regards,

ICCIS'18 Chair
Dept. of Information Technology,
Loyola-ICAM College of Engineering & Technology (LICET),
Loyola Campus, Chennai-34

2 attachments

-  **SEC01-Survey on Algorithms and Keys used in Cryptography.pdf**
350K
-  **ML01-Machine Learning Models for Health Sector – A Survey.pdf**
714K

11/19/2019

Gmail - Reg. Loyola-ICAM Conference (ICCIS'19) - Papers to Review



aarthi gopinath <aarthigopinath.smile@gmail.com>

Reg. Loyola-ICAM Conference (ICCIS'19) - Papers to Review

1 message

ICCIS Conference Loyola-ICAM <iccis.it@gmail.com>
To: aarthigopinath.smile@gmail.com

Wed, Jan 9, 2019 at 11:55 PM

Dear Professor,

Greetings.

Thank you for being one of the member in the technical committee of International Conference on Computing and Information Systems (ICCIS'19), which is organized by the Department of Information Technology, Loyola-ICAM College of Engineering & Technology (LICET) on 28th Feb and 1st March 2019.

Please find in the attachment the papers to review.

Opinion Mining on Section 377 Verdict	DM05
Detecting food adulterants using the concepts of machine learning	ML04
FEATURE AND SEGMENTATION BASED EYE DISEASE CLASSIFICATION USING GLCM AND TREE TECHNIQUE	ML06

Kindly review these papers and fill your evaluation in the google form on or before 18th January 2019.

Evaluation form is below:

ICCIS'19 - Review Form

Kindly acknowledge this mail.
Thank you for your consideration.

Conference: www.iccis.in

Thanks & Regards,

ICCIS'19 Chair
Dept. of Information Technology,
Loyola-ICAM College of Engineering & Technology (LICET),
Loyola Campus, Chennai-34

3 attachments

DM05-Opinion Mining on Section 377 Verdict.pdf
391K

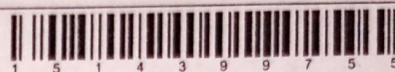
ML06-FEATURE AND SEGMENTATION BASED EYE DISEASE CLASSIFICATION USING GLCM AND TREE TECHNIQUE.pdf
246K

ML04-Detecting food adulterants using the concepts of machine learning.pdf
350K



CENTRE FOR RESEARCH

ANNA UNIVERSITY, CHENNAI-600 025



AR11 - Dt: 26-11-2018 21:54:43

Registration No.: 1514399755

SEMESTER PROGRESS REPORT July - December 2018

1. Particulars of Research Scholar

Name : Balasubramanian S
Faculty : Electrical Engineering
Degree : Ph.D.
Email : paulbala79@gmail.com
Contact No. : 9840534471
Designation & Institution where employed (if applicable) : Senior Assistant Professor, Electronics And Communication Engineering, Meenakshi Sundararajan Engineering College, CHENNAI, TAMILNADU 600024



2. Registration Details

(a) Category of registration : Part-Time
(b) Month & Year of Admission : JUL & 2015
(c) Whether provisional registration confirmed? : Yes / No
If yes, give reference No. and date :

3. Name of the Department / Centre where the research is conducted : Dept. of Electronics & Communication Engineering

4. Particulars of the Supervisor / Joint Supervisor

SUPERVISOR DETAILS:

Name / Reference No. : Dr. Rajavel / 2540035
Designation : Associate Professor
Department : Dept. of Electronics & Communication Engineering
Address : SSN College of Engineering, Kalavakkam, Chennai
Email / Mobile. : rajavelr@ssn.edu.in / 9710787108

JOINT SUPERVISOR DETAILS:

Joint Supervisor : Not Applicable

5. Tentative title of the Research work: Monaural Speech Separation using Visual Cues under Noisy Environment

6. Duration of research outside the University (if applicable) :

7. Break of study period (if applicable) :

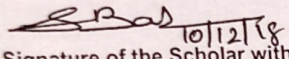
Details of research progress :

Registration No.:

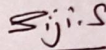
1514399755

Details	Yes	No	Details	Yes	No
No. of course works completed	✓		Attended seminar/conference (if yes, No. of seminar/conference attended)		
Seminar presentation, If yes, No. of presentation			Papers published (if yes, No. of papers published)	✓	

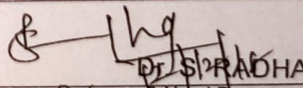
A typed report on the work carried out during this period (atleast 300 words) duly signed by the scholar and counter signed by the Supervisor and Joint Supervisor (if applicable) is enclosed.


Signature of the Scholar with Date
(Name in Capitals)

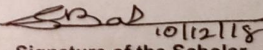
[S-BALASUBRAMANIAN]


Signature of the HOD of the Scholar *
(Name with Seal)
(* applicable for PT research scholars, if Scholar and Supervisor are from different institution)
Chemical - 600 024.

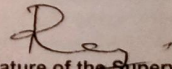
REMARKS OF THE SUPERVISOR(s)		
i	Work Progress	Satisfactory / Not Satisfactory
ii	If the progress is not satisfy provide appropriate comments/explanation(If needed, attach additional sheet)	
iii	Expected time of completion	DEC 2019

REMARKS OF THE HOD / DIRECTOR OF THE CENTRE OF THE SUPERVISOR		
i	Attendance	Satisfactory / Not Satisfactory
ii	Any other Remarks (please specify)	
	Signature of the HoD / Director of the Centre of the Supervisor * (Name with Seal)	 DR. S. PRADHA

Certify that the research articles published / to be published in journals are the original work and no part of the research paper(s) is copied from any thesis or research articles already published. I am aware that the act of plagiarism will lead to cancel of registration and other disciplinary action as per Regulations of Anna University


Signature of the Scholar
(Name in Capitals)
[S-BALASUBRAMANIAN]

Signature of the Joint Supervisor
(Name with Seal)
(if applicable)


Signature of the Supervisor
(Name with Seal)
Dr. R. Rajavel, M.E., Ph.D
Associate Professor
ECE Department
SSN College of Engineering
Kalavakkam - 600 110.

Note:

* The Signature of the Head of the Department or Director of the Centre of the Supervisor is mandatory for the progress report to be processed.

ENROLMENT FORM / REGISTRATION RENEWAL FORM

January 2019 - June 2019

Name in Block Letters	:	Balasubramanian S
Registration No	:	1514399755
Month & Year of admission	:	JUL & 2015
Faculty	:	Electrical Engineering
Name of the Supervisor	:	Dr. Rajavel
Department of the Supervisor	:	Dept. of Electronics & Communication Engineering
Name of the Joint Supervisor (if applicable)	:	Dr. -
Department of the Joint Supervisor	:	
Category of Registration	:	Part-Time
Number of Courses completed	:	04
No. of Courses registered in this semester	:	
Date of Confirmation	:	

DECLARATION

I, S. BALASUBRAMANIAN is doing Ph.D. Programme.

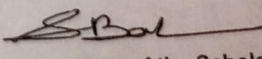
1. As a Full - time scholar, I state that I am not employed anywhere* / I have submitted NoC from my employer*
2. As a Full - time scholar working in a project, I state that I am still employed in the project
3. As a Part time scholar, I am working as Senior Asst. Prof at MEENAKSHI SUNDARA
- JAN ENGINEERING COL
4. As a part time scholar, I am still working in the same college as mentioned in my application form* / the change of working place has been intimated to the office of the Director (Research)*

(* Strike out whichever is not applicable)

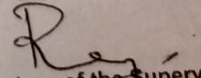
Date : 10/12/2018

Place : CHENNAI

Signature of the Joint Supervisor
(Name with Seal)
(if applicable)


Signature of the Scholar
(Name in Capitals)

[S. BALASUBRAMANIAN


Signature of the Supervisor
(Name with Seal)
D. A. Rajavel, M.E., Ph.D.
Associate Professor
ECE Department
SSN College of Engineering
K. J. Somaiya Institute of Technology

COURSE WORK REGISTRATION FORM

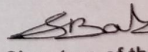
January 2019 - June 2019

DETAILS OF THE SCHOLAR

Name of the Scholar / Registration No. : Balasubramanian S / 1514399755
Address of the scholar : Bf1, Aswin Crystal, 3rd Cross Street, Revathipuram
KANCHEEPURAM
TAMILNADU 603210
3. Email / Contact No. : paulbala79@gmail.com / 9840534471
4. Department and College in which the scholar is doing research : ECE / SSNCE
5. Category of registration : Part-Time


II. COURSE WORK REGISTERED IN THE CURRENT SEMESTER

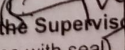
Sl.No	Course code	Title of the course work	No of Credits	Core Course / Elective/ Special Elective	Signature, Name, Designation and Address of the Course Instructor
1					
2					
3					
4					
5					
6					


Signature of the Scholar
(Name in Capitals)
[S. BALASUBRAMANIAN]

Recommended/Not Recommended and Forwarded

Signature of the Joint Supervisor
(Name with Seal) (if applicable)


Dr. R. Rajavel, M.E., P
Associate Professor
Signature of the Supervisor
(Name with Seal) (if applicable)
Kalavakkam - 603 110.


HOD of the Supervisor
(Name with seal)

Dr. S. RADHA
Professor & Head Department of ECE
SSN College of Engineering
Kalavakkam - 603 110.

Note:

- Research scholars should take PG Level course works only. Refer Clause 13.1 of Ph.D. Regulations.
- Special Elective:
 - If it is already approved course work, Supervisor should furnish the course code number and copy of the minutes of the Board of Studies and Academic Council.
 - If it is a new course work the Supervisor should make arrangement to get the approval of the syllabus in the





CENTRE FOR RESEARCH
ANNA UNIVERSITY
CHENNAI - 600 025



Dr. R. JAYAVEL
DIRECTOR

Telephone : +91-44-2235 7366/2235 0361
Fax : +91-44-2220 1213
Email : dirresearch@annauniv.edu
dirresearch@gmail.com



Procs. No.1514499755/Ph.D./AR12

Date : 24.06.2015

Sub : Ph.D. Programme – Mr./Ms. Joseph Sathiadhas Esra A, Research Scholar – Constitution of Doctoral Committee – Orders – Issued.

Ref : This office Lr.No.CR / Ph.D. / Admn / July / 2015 dated: 24.06.2015.

Mr./Ms. **Joseph Sathiadhas Esra A** has been granted provisional registration for Ph.D. Programme under the guidance of Dr. Rajavel vide reference cited. Accordingly a Doctoral Committee has been constituted comprising of the following members as required in the Clause 12.1 of Ph.D. Regulations.

- | | |
|---|-------------------------|
| 1. Dr. Rajavel, Associate Professor
Department of Electronics & Communication Engineering
SSN College of Engineering
Kalavakkam, Chennai - 603110 . | Supervisor/
Convener |
| 2. Dr. P.Nirmal Kumar, Associate Professor
Department of Electronics and Communication Engineering
Anna University, Chennai-600025 | Member |
| 3. Dr. B Bindu, Associate Professor
Department of School of Electronics Engineering
VIT University, Chennai Campus, Chennai-600127 | Member |

The Doctoral Committee shall meet within 3 weeks from the date of receipt of this communication to prescribe course works to the scholar as per clause 13.1 of Ph.D. Regulation. **The Meetings of the Doctoral Committee shall be informed to the Director (Research) and Head of the Department/Director of the Centre well in advance. The minutes of the meetings / any other communications should be forwarded by the respective Head of the Department/Director of the Centre.**

The research scholar shall have a CGPA of 6.50 in the course works in order to become eligible for comprehensive examination. A pass in the comprehensive examination is required for the confirmation of Ph.D. Registration.

The Committee shall function as per rules of the Ph.D. regulations. Sitting Fee, TA / Conveyance shall be paid as per the norms. The Supervisor/ Convener shall convene the meeting of the Doctoral Committee and send the progress report periodically. As per Clause 6.4 "The Scholar, Supervisor, Doctoral Committee Members and Examiners shall not be relatives to each others".


DIRECTOR

To
The Supervisor
Copy to : All Members

S. 25/6/18

26/6



CENTRE FOR RESEARCH

ANNA UNIVERSITY, CHENNAI-600 025



AR14 - Dt: 06-06-2018 11:03:23

Registration No.: 1514499755

SEMESTER PROGRESS REPORT January - June 2018

1. Particulars of Research Scholar

Name : Joseph Sathladhas Esra A
Faculty : Information and Communication Engineering
Degree : Ph.D.
Email : joseph_esra@yahoo.co.in
Contact No. : 9884165838
Designation & Institution where : Senior Assistant Professor, Electronics And
employed (if applicable) Communication Engineering, Meenakshi
Sundararajan Engineering College, CHENNAI,
TAMILNADU 600024



2. Registration Details

(a) Category of registration : Part-Time
(b) Month & Year of Admission : JUL & 2015
(c) Whether provisional registration confirmed? : Yes / No
If yes, give reference No. and date :

3. Name of the Department / Centre where the : Department of Electronics & Communication Engineering
research is conducted

4. Particulars of the Supervisor / Joint Supervisor

SUPERVISOR DETAILS:

Name / Reference No. : Dr. Rajavel / 2540035
Designation : Associate Professor
Department : Department of Electronics & Communication Engineering
Address : SSN College of Engineering, Kalavakkam, Chennai
Email / Mobile. : rajavelr@ssn.edu.in / 9710787108

JOINT SUPERVISOR DETAILS:

Joint Supervisor : Not Applicable

5. Tentative title of the Research work: Design of Computationally Efficient Filterbank for Speech Separation

6. Duration of research outside the University (if applicable) :

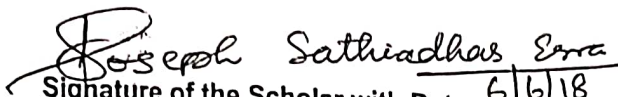
7. Break of study period (if applicable) :



8. Details of research progress :

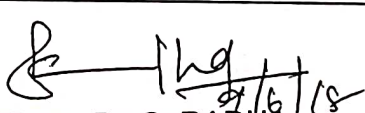
Details	Yes	No	Details	Yes	No
No. of course works completed	✓		Attended seminar/conference		
Seminar presentation, If yes, No. of presentation			Papers published (If yes, No. of papers published)		

A typed report on the work carried out during this period (atleast 300 words) duly signed by the scholar and counter signed by the Supervisor and Joint Supervisor (If applicable) is enclosed.



Signature of the Scholar with Date 6/6/18
(Name in Capitals)
[A. JOSEPH SATHIADHAS ESRA]

Signature of the HoD of the Scholar *
(Name with Seal)
(* applicable for PT research scholars, if Scholar and Supervisor are from different institution)

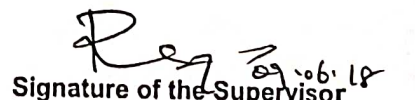
REMARKS OF THE SUPERVISOR(s)		
i	Work Progress	Satisfactory / Not Satisfactory
ii	Expected time of completion	July 2019

REMARKS OF THE HOD / DIRECTOR OF THE CENTRE OF THE SUPERVISOR		
i	Attendance	Satisfactory / Not Satisfactory
ii	Any other Remarks (please specify)	
	Signature of the HoD / Director of the Centre of the Supervisor (Name with Seal)	 Dr. S. RADHA

Certify that the research articles published / to be published in journals are the original work of the scholar. Further, no part of the research paper(s) is copied from any thesis or research articles already published by others. I (We) fully aware that the act of plagiarism will lead to cancel of registration and other disciplinary actions as per Rules and Regulations of Anna University


Signature of the Scholar
(Name in Capitals)
[A. JOSEPH SATHIADHAS ESRA]

Signature of the Joint Supervisor
(Name with Seal)
(if applicable)


Signature of the Supervisor
(Name with Seal)
Dr. R. Rajavel, M.E., Ph D
Associate Professor
ECE Department
SSN College of Engineering
Kalavakkam - 603 110.



ENROLMENT FORM / REGISTRATION RENEWAL FORM
July 2018 - December 2018

Name in Block Letters	:	Joseph Sathiadhas Esra A
Registration No	:	1514499755
Month & Year of admission	:	JUL & 2015
Faculty	:	Information and Communication Engineering
Name of the Supervisor	:	Dr. Rajavel
Department of the Supervisor	:	Department of Electronics & Communication Engineering
Name of the Joint Supervisor (if applicable)	:	Dr. -
Department of the Joint Supervisor	:	
Category of Registration	:	Part-Time
Number of Courses completed	:	04
No. of Courses registered in this semester	:	
Date of Confirmation	:	

DECLARATION

I, A. JOSEPH SATHIADHAS ESRA is doing Ph.D. Programme.

1. As a Full - time scholar, I state that I am not employed any where* / I have submitted NoC from my employer*
2. As a Full - time scholar working in a project, I state that I am still employed in the project
3. As a Part time scholar, I am working as Senior Assistant Professor at Meenakshi Sundarar Engineering College
4. As a part time scholar, I am still working in the same college as mentioned in my application form* / the change of working place has been intimated to the office of the Director (Research)*

(* Strike out whichever is not applicable)

Date : 06/06/18

Place : Chennai

Signature of the Joint Supervisor
(Name with Seal)
(if applicable)

Joseph Sathiadhas Esra
Signature of the Scholar 6/6/18
(Name in Capitals)

(A. JOSEPH SATHIADHAS ESRA

Rajavel
Signature of the Supervisor
(Name with Seal)

Dr. R. Rajavel, M.E., Ph.D
Associate Professor
ECE Department
Sathyabama Institute of Science and Technology
Chennai - 600 075.



COURSE WORK REGISTRATION FORM

July 2018 - December 2018

I. DETAILS OF THE SCHOLAR

1. Name of the Scholar / Registration No. : Joseph Sathiadhas Esra A / 1514499755
2. Address of the scholar : 29/D1, Rc Nalinam Apartments, Appadurai Main Street, Ayanavaram
CHENNAI
TAMILNADU 600023
3. Email / Contact No. : joseph_esra@yahoo.co.in / 9884165838
4. Department and College in which the scholar is doing research :
5. Category of registration : Part-Time


II. COURSE WORK REGISTERED IN THE CURRENT SEMESTER

Sl.No	Course code	Title of the course work	No of Credits	Core Course / Elective/ Special Elective	Signature, Name, Designation and Address of the Course Instructor
1					
2					
3					
4					
5					
6					


Signature of the Scholar
(Name in Capitals)

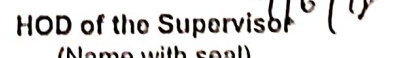
[A. JOSEPH SATHIADHAS ESRA]

Signature of the Joint Supervisor
(Name with Seal) (if applicable)


Signature of the Supervisor
(Name with Seal)
Dr. R. RAJAVEL, M.E., Ph.D
Associate Professor
ECE Department

SSN College of Engineering
Kalavakkam - 603 110.

Approved / Not Approved


HOD of the Supervisor
(Name with seal)
Dr. S. RADHA
Professor & Head Department of ECE
SSN College of Engineering
Rajiv Gandhi Salai (GMR)
Kalavakkam - 603 110.

Note:

1. Research scholars should take PG Level course works only. Refer Clause 13.1 of Ph.D. Regulation 2013.
2. Special Elective:
(i) If its already approved course work, Supervisor should furnish the course code number and copy of the minutes of the Board of Studies and Academic Council.
(ii) If it is a new course work the Supervisor should make arrangement to get the approval of the syllabus in the concerned Board of Studies and Academic Council.



CENTRE FOR RESEARCH
ANNAUNIVERSITY :: CHENNAI 600025


Category	FF / PT
Reg. No.	1514499755/Ph.D


PROGRESS REPORT

[From January to June -2018]

Area of work/Tentative title of the Research Proposed work: Design of Computationally Efficient Filterbank for Speech Separation

For efficient hearing process, the noises in the hearing aid system should be completely removed. The noise band, if merges with audio band, information loss will happen if filtering process is done. Fortunately the noise band is less occurred within the audio band. In previous research several methods were implemented to remove the noise in the audio band. In this paper, different methods like two channels, tree structured and parallel structured wavelet filterbank were reviewed, developed and tested in the real time audio band. The analysis filterbank was used to decompose the audio band into different subbands. The synthesis filterbank reconstructs the subbands to original audio band. The performance of the different methods is compared using band power, SNR and MSE. The performance is measured using MATLAB.


Signature of the Scholar


Signature of the Supervisor
09.06.18
Dr.R. Rajavel, M.E., Ph D
Associate Professor
ECE Department
SSN College of Engineering
Kalavakkam- 603 110.



CENTRE FOR RESEARCH

ANNA UNIVERSITY, CHENNAI-600 025



AR14 - Dt: 07-12-2021

Registration No.: 1514499755

Yearly Progress Report January 2021 - December 2021

1. Particulars of Research Scholar

Name : Joseph Sathladhas Esra A
Faculty : Information and Communication Engineering
Degree : Ph.D.
Email : joseph_esra@yahoo.co.in
Contact No. : 9884165838
Designation & Institution where : Senior Assistant Professor, Electronics And
employed (if applicable) Communication Engineering, Meenakshi
Sundararajan Engineering College, , 600024



2. Registration Details

(a) Category of registration : Part-Time
(b) Month & Year of Admission : JUL & 2015
(c) Whether provisional registration confirmed? : Yes/No
If yes, give reference No. and date

1514499755/ Ph.D/ AR-14/03.04.2019

3. Name of the Department / Centre where the : Department of Electrical and Electronics Engineering
research is conducted

RMK Engineering College

4. Particulars of the Supervisor / Joint Supervisor / Supervisor In-Charge /

Research Co-Ordinator

SUPERVISOR DETAILS:

Name / Reference No. : Dr. Sukhi Y / 2730038
Designation : Professor
Department : Department of Electrical and Electronics Engineering
Address : R M K Engineering College, Kavaraipttai, Tiruvallur
Email / Mobile. : sukhirmk03@yahoo.com / 9444640731
Institute Code : 4111308-Electrical and Electronics Engineering
RMK Engineering College, Thiruvallur

JOINT SUPERVISOR / SUPERVISOR IN-CHARGE DETAILS:

Joint Supervisor / Supervisor In-Charge : Not Applicable

5. Tentative title of the Research work: Design of Computationally Efficient Filterbank for Speech Separation

6. Duration of research outside the University (if applicable) :

7. Break of study period (if applicable) :



8. Details of research progress :

Registration No.: 1514499755

Details	Yes/No	Count	Details	Yes/No	Count
No. of course works completed	NA	4	Attended seminar/conference (if yes, No. of seminar/conference attended)	No	
Seminar presentation, If yes, No. of presentation	No		Papers published (If yes, No. of papers published)	Yes	1

9. Journal / Conference Details

1. Joseph Sathiadhas Esra, Rajavel Ramadoss, " Certain Investigation on the Design of Wavelet Filter Bank for Hearing Aid", Jour of Adv Research in Dynamical & Control Systems,, Vol. 10, 05-Special Issue 1179 to 1190, 2018

A typed report on the work carried out during this period (atleast 300 words) duly signed by the scholar and counter signed by the Supervisor and Joint Supervisor (if applicable) is enclosed.

Joseph Sathiadhas Esra
Signature of the Scholar with Date
(Name in Capitals) 07/12/2020

(A. JOSEPH SATHIADHAS ESRA)

SPS
Ms SITI SIVANANDAN

HEAD OF THE DEPARTMENT
BEGANUR ANJALINI
MEENAKSHI SUBRAMANIAM
(* applicable for PT research scholars, if Scholar and Supervisor are from different Department/Institution)
Chennai - 600 024.



ENROLMENT FORM / REGISTRATION RENEWAL FORM

January 2022 - June 2022

Name in Block Letters	:	Joseph Sathiadhas Esra A
Registration No	:	1514499755
Month & Year of admission	:	JUL & 2015
Faculty	:	Information and Communication Engineering
Name of the Supervisor	:	Dr. Sukhi Y
Department of the Supervisor	:	Department of Electrical and Electronics Engineering
Name of the Joint Supervisor (if applicable)	:	Dr. -
Department of the Joint Supervisor	:	
Category of Registration	:	Part-Time
Number of Courses completed	:	4
No. of Courses registered in this semester	:	NIL
Date of Confirmation	:	03.04.2019

DECLARATION

I, A. JOSEPH SATHIADHAS.....ESRA..... is doing Ph.D. Programme.

1. ~~As a Full-time scholar, I state that I am not employed anywhere* / I have submitted NoG from my employer*~~

2. ~~As a Full-time scholar working in a project, I state that I am still employed in the project~~

3. As a Part time scholar, I am working as Assistant Professor at Meenakshi Sundararajar Engineering College
Kodambakkam

4. As a part time scholar, I am still working in the same college as mentioned in my application form* / the change of working place has been intimated to the office of the Director (Research)*

(* Strike out whichever is not applicable)

Date : 07/12/2021

Place : CHENNAI

Joseph Sathiadhas Esra
Signature of the Scholar

(Name in Capitals)

(A. JOSEPH SATHIADHAS ESRA)
Dr. SUKHI

Signature of the Supervisor
(Name with Seal)

Dr. Sukhi Y
Professor
Department of EEE
RMK Engineering College
Kavaraipettai - 601 206
Gummidipoondi Taluk
Vallur District
HOD/Director of the Centre
Supervisor*
(Name with seal)

Dr. Geetha Ramadas
Prof. & HoD/EEE



R.M.K. ENGINEERING COLLEGE

SEMESTER PROGRESS REPORT

JAN 2021 – DEC 2021

(i) Name in Block Letters	:	Joseph Sathiadhas Esra
(ii) Registration No	:	1514499755
(iii) Month & Year of admission	:	JULY 2015
(iv) Date of joining	:	JULY 2015
(v) Faculty	:	Information and Communication (I & C)
(vi) Name of the Supervisor	:	Dr. Y. Sukhi

Progress report :

The research work presents a new method for speech separation in Hearing aids which provide high signal-to-noise ratio. The hearing aid should recognize the speech signals out of the environmental noise. Some of the noise is produced by speech babbles, instrumentation noise and other unnecessary sounds. Too much of reverberation will reduce speech intelligibility and the overall sound quality. If the noise magnitude is more than the voice, the efficiency of speech processing unit will be poor. The sub-band are selected by using reconfigurable filter bank. So, the alternative method can be developed for noise reduction in hearing aid. The wavelet based de-noising algorithm minimizes the Gaussian noises present in the input signal. If the number of stages in the filter bank is more, the rejection ratio will be more. Building an analog filter with multiple stages is difficult when compared to the digital filter.

In this research work, Wavelet based decomposition Methodology using Fejer-Korovkin (FK) algorithm is used. It is better in performance when compared to the existing decomposition in two stage wavelet filter bank and tree structured wavelet filter bank db. For speech separation Non-negative Matrix Factorization (NMF) algorithm is used. The proposed filter bank

architecture is compared with other architectures. The proposed methods Error and time calculation for different divergence are measured. For evaluation of the proposed method and existing method on speech separation mixed audio sources are used. Different parameters like Signal to Noise Ratio (SNR), Signal to Distortion Ratio (SDR), Signal to Noise and Distortion Ratio (SINAD), Spurious-free dynamic range (SFDR), Mean Square Error (MSE), and Band Power were used for evaluation.

In the design of hearing aids, optimization of different blocks like the earpieces, the mobile computing platform, and the real-time speech-enhancement is done. The digital hearing aids should provide high signal-to-noise ratio, gain improvement and should eliminate feedback. In generic hearing aids the performance towards different frequencies varies and non-uniform. Existing noise cancellation and speech separation methods drops the voice magnitude under the noise environment. The performance of uniform sub band analysis is poor when hearing aid is concern. In this work the Non-negative Matrix Factorization (NMF) algorithm is used for the source separation. A new wavelet decomposition methodology is used for speech signal separation process. The sub band analysis of two channel wavelet filter, tree structured wavelet filter bank using different wavelets was done. Error and time calculation of Proposed NMF source separation algorithm with different divergence are observed. Separation of Two speech recordings in mixed audio source by ICA and proposed method is done.

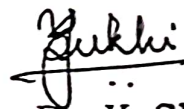
The paper titled "Speech Separation Methodology Based on Non-Uniform Wavelet Decomposition and Non-Negative Matrix Factorization for Hearing Aid System" is submit to the journal and awaiting for review results.

Also, I did research work in Optimized Binaural Enhancement via Attention Masking Network-based Speech Separation Framework in Digital Hearing Aids in Python Programming.



Signature of the Scholar
(Name in Capitals)

(A. JOSEPH SATHIADHAS ESRA)



Signature of the Supervisor
(Name with Seal)
Professor
Department of EEE
RMK Engineering College
Kavaraipettai - 601 206.
Gummidipoondi Taluk
Thiruvallur District

SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(Deemed to be University Under Section 3 of UGC Act, 1956)



The Board of Management of Sathyabama Institute of Science and Technology hereby makes known that **KANIMOZHIA** has been conferred the **DEGREE OF DOCTOR OF PHILOSOPHY** under the **FACULTY OF COMPUTER SCIENCE AND ENGINEERING**, having been certified by duly appointed examiners to be qualified to receive the same on **DECEMBER 2019** for the thesis entitled **A COMPUTATIONAL MODEL OF BRAIN FOR IMPLEMENTING AN EFFECTIVE E-LEARNING SYSTEM** given under the seal of the institution, at Chennai this **EIGHTEENTH** day of **SEPTEMBER 2020**

Given under the seal of the Institution

Vice Chancellor

Chancellor



Dated : September 18, 2020



Jeppiaar Nagar, Chennai-600119,
Tamil Nadu, INDIA.





Read By	A. Murali
Verified By	J. Venthur

