2020-21
09.08 .2021

## To Whowesoever It May Concern

This is To Certify That Mis.K Gayathri. Reg.No.(2013312020007) MA (Eonomics).
Ethiraj College For Women-Egmore, Has Successfully, Completed His Project at Our Organization From O7 ${ }^{\text {th }}$ July 2021 To 6 th Aug 2021 On The Project Titled "Marketing And Data Analyst " And Worked To Your Satisfaction. During Above The Period He Has Found To Be Sincere And His Performance Was Good. We Wish Mis.K Gayathri All The Best In His Future Endeavors.


Dr. D. B. Usharani, M.A., M. Phil., Ph.D
Associate Professor \& Head
Vice Principal (Aided)
Post - Graduate and Research
Department of Economics
Ethiraj College for Women (Autonomous) Chennai - 600008.

For krishnautyx

Authorized Signatory

(1) (3) ( $G$ : /krishnautyx 10 krishnautyx@gmail.com

KRISHNAUTYX

## To Whowesoever It May Concern

This is To Certify That Mis.V Hemalatha. Reg.No.(2013312020010) MA (Eonomics). Ethiraj College For Women-Egmore. Has Successfully. Completed His Project at Our Organization From O7 July 2021 To $6^{\text {th }}$ Aug 2021 On The Project Titled "Marketing And Data Analyst " And Worked To Your Satisfaction. During Above The Period He Has Found To Be Sincere And His Performance Was Good. We Wish Mis.V Hemalatha All The Best In His Future Endeavors.


Dr. D. B. Usharani, M.A., M.Phil., Ph.D
Associate Professor \& Head Vice Principal (Aided)
Post - Graduate and Research Department of Economics
Ethiraj College for Women (Autonomous) Chennai - 600008.


PRINCIPAL
ETHRAU COLLEGE FOR WOMFN (AUTONOMOUS) CHENNAI-600 008.


For krishnautyx


Authorized Signatory

2013312020010

2019-20


Date: 30.08.2019

## TO WHOMSOEVER IT MAY CONCERN

This is certify that Ms. T. Arthi, II year B.Com Student of Ethiraj college for women (Autonomous) ,Chennai-600008, has undergone her project work in our organization from $22^{\text {nd }}$ April 2019 to $5^{\text {th }}$ May 2019 and has successfully completed her project titled.

## "Department of Bank Management to with special reference

Vijaya Bank-Now Bank of Baroda"

During this project period her conduct and attitude were found to be good.
We wish her all success for her future endeavours




PRINCIPAL

## इण्डियन ओवरसीज़ बैंक

 Indian Overseas Bankट्रिप्लीकेन TRIHLICANL Branch (98)
OLD NO. 107 NEW NO. 203
IRIPLICANE HIGH ROAD. IRIPLICANE
चेन्नैCHENNAI - 600005

फोन नं Ph:- 044-2852 3435
044-2854 6249
e mail id :- iob0098@iob.in IFSC Code :IOBA0000098

## CERTIFICATE

This is to certify that Miss. K.KAVITHA BAI (Reg No. 1713321035019) D/O R.KANNAN B.Com II nd Yerr (Bank Management) ETHIRAJ COLLEGE FOR WOMEN CHENNAI-600 008, has attended the project work in GENERAL BANKING in our branch for the period of Two weeks from 06.05.2019 to 18.05.2019.

She has actively participated the training and she has attitude to learn the work. We wish her all the best in future endeavours.

कृतऽ इणजјयन आवरसीज़ बैंक
For Indian Oyerseas Bank

 द्रप्लिकेन, चेन्नै / Triplicane, Chennai - 600005


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## TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. J Lavanya, pursuing B. Com (Bank Management) course in Ethiraj College for Women has undergone project work in General Banking at our Ashok Nagar Branch, Chennai from 15.04.2019 to 07.05.2019 as per request received from College management.

During the course of project work, she was enthusiastic in learning the systems and proceedures of Banking and now seems to have understood the Banking concept fully.

The permission for carrying out the Project Work was accorded by our Head office vide reference No.HRDD/87/121/2019-20 dated 04.04.2019.

We wish her all success in her career.

For INDIAN OVERSEAS BANK Ashok Nagar Branch, Chennai-83.


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PRINCIPAL
ETHIRAJ COLLEGE FOR WOMEN
(AUTONOMOUS)

## TO WHOMSOEVER IT MAY CONCERN

SUMMER PROJECT BY MANAGEMENT STUDENTS Ms. G.S.S.MYTHREYI, STUDENT AT

We hereby certify that Ms. G.S.S.MYTHREYI, ETHIRAJ COLLEGE FOR WOMEN has completed the project work on 'STRATEGIES FOR IMPROVING BRANCH LEVEL HOME LOAN SOURCING; IMPROVING CUSTOMER SERVICE AT RACPCS* assigned by Stale Bank of India, LHO Chennai.

) Deputy General Manager (REMBU)

©banksbi

- +314225224610
(919142821 299
Begmeinccheakblend

wave viva Ef अवाता कम्य क्या

 Tीन सीिल्र, 16, कालेन होर


dEPARTMENT OF BANK MANAGOMEN IS


## Indian Overseas Bank

द्रिप्लीकेन TRIPLICANE Branch (98)
OLD NO. 107 NEW NO. 203
IRIPUCANE HIGH ROAD. TRIPLICANE
सेपेंCHENNA - 600005

फोन नं Ph:-044-2852 3435
044-28546249
e mail id :- iob00989iob,in
IFSC Code :IOBA0000098

दिनांक Date:- 18.05.2019

## CERTIFICATE

This is to cerlity that Mlss. K.SANDHIYA BAI, (Reg No.1713321035037) D/O R. KUSHAL, B.Com, II nd Year (Bank Management) ETHIRAJ COLLEGE FOR WOMEN,CHENNAI -600 008, has attended the project work in GENERAL BANKING in our branch for the period of Two weeks from 06.05.2019 to 18.05.2019.

She has actively participated the training and she has attitude to learn the work.
We wish her all the best in future endeavours.

कृते इण्डियन ओवरसीज़ बैंक For Indian Overseas Bank

1
घुख्य प्रबंधक / Chier Manager द्रप्लिकेन, चेन्ने ITripicane, Chennai-600005.



PRINCIPAL
EThiraj college for women (AUTONOMOUS) CHENNAI-600 008.


DEPARTMENT OF BANK MANAGEMENT (SS
ETHIRAJ COLLEGE FOR WOMEN, CHENNA
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Peters Road Branch
Phone 044-28592626
No 294 Peters Road
Gopalapuram
E-mall petersroad@indianbank co in
Chennai-600 086
YOUR OWN BANK

Date: 3105.2019

## TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. R Shakthi, a student of B COM II Year (Bank Management) from Ethiraj College for Women, has successfully completed her internship project in General banking from our Peters Road Branch. Period of the project was Two weeks, from 16.05.2019 to 30.05.2019.

During this period we found that she was very keen in learning new things, related to her project work and was very disciplined. We wish her all the success in her future career.


## TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. M Shalini, pursuing B. Com (Bank Management) course in Ethiraj College for Women has undergone project work in General Banking at our Ashok Nagar Branch, Chennai from 15.04.2019 to 07.05.2019 as per request received from College management.
During the course of project work, she was enthusiastic in learning the systems and proceedures of Banking and now seems to have understood the Banking concept fully.
The permission for carrying out the Project Work was accorded by our Head office vide reference No.HRDD/87/121/2019-20 dated 04.04.2019.

We wish her all success in her career.

For INDIAN OVERSEAS BANK Ashok Nagar Branch, Chennai-83.


Chief Manager


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# U Union Bank 

Nodal Reglonal Office Chemilal
No 139, Prakasam Salai, Broadway, Chemmal 600100
PH:044-2340789/6 Emall:hr, Chemnateuntonbankolindla, com

NRO:DP:530
Date:06.07.2019

## TO WHOMSOEVER IT MAY CONCERN

This is to inform that Ms.K.Subasree has completed his Project work on "Basics of Banking" in our bank during the period (29-05-2019 to 12.06.2019) for a period of two weeks. During her internship her character is found to be satisfactory.

We wish her success in her future endeavors.



HEAD OF THE DLPART WENT DEPARTMENT OF SAFNK MAFIAGEMENT (SS) ETHIRAJ COLLEGE FOR WOMEN, CHENNA!

# यूनियन बैंक्ष Union Bank 

## CERTIFICATE

This is to certify Ms. Padmashree Vasan ., B.Com(bank management, roll no: 1713321035055)student of Ethiraj college, Chennai has undergone practical training in general banking in connection with her project work at our branch from 26.04.2019 to 10.05.2019.

Her performance during the period was good.
I wish her all success in her future endeavors.


(CV SUDHEER)
Chief Manager


PRINCIPAL
ETHIRAJ COLLEGE FOR WOMEN (AUTONOMOUS) CHENNAI-600 008.

## BIOAXIS DNA RESEARCH CENTRE (P) LTD <br> Centre for Biological Research !

## CERTIFICATE

This is to confirm that Miss. T M Shivani, Reg no 19HBT-3/2815 has successfully completed the project entitled "Production, Purification and Assay of Pectinase Enzyme from Aspergillus niger and Testing its Application in Food Industry", at the Department of Biotechnology, Hyderabad, during the tenure of $\mathbf{3 0}$ Days from $\mathbf{1 5}^{\text {th }}$ April 2019 to $14^{\text {th }}$
May 2019.

Best Regards!


BioAxis DN 14 Hees? ch Centre Pvt Ltd
Hyderabad

## Anthem <br> Biosciences

Anthem Biosciences Pvt. Ltd.
49, F1 \& F2, Canara Bank Road,
REF : HRD/Let-Traince Bommasandra Industrial Area, Prase - I
DATE: $16^{\text {ch }}$ May, 2019

## Certificate of Project Completion

I hereby certify that the thesis entitled "ISOLATION OF INDUSTRIALLY IMPORTANT MICRO ORGANISMS FROM NATURAL RESOURCES" submitted by Ms, YUMNAM ASHA DEVI who has successfully completed her research project at Discover Biology department of our organization from 16 $\mathbf{1 6}^{\text {th }}$ April, 2019 to $16^{\text {th }}$ May, 2019 under the guidance of Mr. SHRI NATRAJAN .

She demonstrated significant enthusiasm and scientific acumen during this period. We found her sincere and hardworking during her tenure. We fully appreciated her performance in every regard. We wish her all the best in her future endeavors.

Best Regards

For ANTHEM BIOSCIENCES PVT. LTD


## SHR NATRAJAN

Manager I- Discovery Biology

$$
\text { Batch: } 2018-20
$$

# DEPARTMENT OF PHYSICS \& ASTROPHYSICS 

 UNIVERSITY OF DELHIDELHI-110007
INDIA

## Certificate of Appreciation

) Reg.no. 1813322072007
This is to certify that Ms. V. Krithika a $2^{\text {nd }}$ year M.Sc.(Physics) student from Ethiraj College for Women (University of Madras) Chennai, has worked for a summer project entitled "Perihelion Precession in General Relativity" under my supervision in the Department of Physics \& Astrophysics (University of Delhi) during 15 April to June 2019.

Her conduct during the project work was satisfactory.


Supriya K Mar
Email: supriya.k.kar@gmail.com
Cc: skkar@physics.du.ac.in
,
Dr, SupryaK. Kat
ASSOCIATE PROFESSOR
Deportment cf Physics \&: Astrophysics
University of Delhi, Delhi-110007, India

## S.Kothoi

Sm
Asst-Professor and Head Department of Physics (SS)
Ethiraj College for Women Chennai-600 008

2018-19

## To whomsoever it may concern

This is certify that S. Amirthaa Lakshmi (Reg No 1713311032004) pursuing her BA Tourism \& Travel Management from Ethiraj College, Chennai has undergone her internship Project program in our Leisure Travel Business at Anna Nagar Branch, Chennai.

She has successfully completed her summer internship from $15^{\text {th }}$ April 2019 to $22^{\text {nd }}$ May 2019 under the supervision of Mr Karthikeyan, Manager - Leisure Travel.

We wish her all the best in her future endeavors.

For Thomas Cook IndiaLt


## TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. DEEPA SREE was appointed as "Summer Intern" in the Leisure Travel (Outbound) department at our branch office at Nungabakkam,Chennai from 20 March 2019 to 30 April 2019.

We wish Ms. DEEPA SREE success in her future endeavors.

Yours Sincerely,
For THOMAS COOK (INDIA) LIMITED


Geetal Degaonkar
Senior Vice President - SSC

## TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. Kalaivani was appointed as "Summer Intern" in the Leisure Travel (Outbound) Department at our T.Nagar GCP office at Chennai From $15^{\text {th }}$ Apr 2019 to $11^{\text {th }}$ May 2019.

We Wish Ms. Kalaivani success in her future Endeavors.

Yours Sincerely
For Thomas Cook (India) Limited


Senior Vice President - SSC

## To whomsoever it may concern

This is certify that D. Sushmitha (Reg No 1713311032051) pursuing her BA Tourism \& Travel Management from Ethiraj College, Chennai has undergone her internship Project program in our Leisure Travel Business at Anna Nagar Branch, Chennai.

She has successfully completed her summer internship from $15^{\text {th }}$ April 2019 to $22^{\text {nd }}$ May 2019 under the supervision of Mr Karthikeyan, Manager - Leisure Travel.

We wish her all the best in her future endeavors.

For Thomas Cook India. Ltd

M. Karthikeyan

Manager - Leisure


## ASHOK LEYLAND

CERT No. HRD/T\&D/03157
I' JUNE 2018

## TO WHOM SO EVER IT MAY CONCERN

This is to certify that Ms. G. LAVANYA of "ETHIRAJ

COLLEGE FOR WOMEN" has done her PROJECT training titled as "ANALYSIS OF FINANCIAL STATEMENTS" at ASHOK LEYLAND Ltd, ENNORE, CHENNAI, from 02.05.2018 to 31.05 .2018 .

Her conduct and character during the period of training is found to be good.


## siemens Gamesa

RENEWABLE ENERGY

17 ${ }^{\text {th }}$ May 2019

## TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. KEERTHANA KSL, student of second year, BBA course, Ethiraj College for Women, Chennai has completed internship project in our organization between $17^{\text {th }}$ Apr 2019 and $17^{\text {th }}$ May 2019.

During the period of the training her performance and conduçt were good.

## For Siemens Gamesa Renewable Power Private Limited



## J. Venkatraman

Assistant General Manager, Human Capital Management

## TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms.Rakshita Bafna D/o Prakash Bafna, a student of Ethiraj College for Women, Bachelor of Business Administration (Major in Digital Marketing) and she has done ORBIT Wires $\boldsymbol{\&}$ Cables internship projects has successfully completed one Month ( 06.05 .2019 to 06.06 .2019 ) at this Company. During the period of his internship projects with us was found punctual, hardworking and inquisitive.

We are sure that the student can make use of this opportunity to the best for their academic growth and we wish Ms.Rakshita Bafna all the very best for his future endeavors.

Thanking you,

## For SEETU ELECTRICALS




## TO WHOM IT MAY CONCERN

## WORK COMPLETION CERTIFICATE

This is to Certify that Ms. PRIYADHARSHINI.A has successfully Completed - ...r-project work on the Department of HUMAN RESOURCE

The Work is Completed on 31.05.2019 Sucessfully.
Thanking you and assuring you for our best services always.
Name of Work project : HR (HUMAN RESOUCE)

Work Order Number : CC/0207/19

Work Period
: 02.05.2019 to 31.05.2019 (1 MONTH)

With Regards
For Comtech


Authorized Signature
Signature

GSTIN : 33AAHFC6231C1Z1 PAN No. : AAHFC6231C
Comtech Computers \# 39, Oil Monger Street, Royapettah, Chennai - 600014 . Tamil Nadu, India.
Phone / Fax : +91-44-4851 9462, Mobile : 96000 52975, 9600052976
E-mail : sales@comtechcomputers.co.in, papa@comtechcomputers.co.in website : www.comtechcomputers.co.in

## TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. E. ABIRAMI, M Sc Chemistry of Ethiraj College for Women has completed In-plant Training at our Kanchipuram Plant in Production Department from 02.05 .2018 to 31.05 .2018 (Five Weeks). She has done an exhaustive study and successfully completed Her training.

During the Training period, we found her sincere, dedicated and her conduct was good.
With Best Wishes

For Hatsun Agra Prodcut Ltd


C Raj
Dy. Manager HR
ARokvf. HRTSUN AruM ibaco
No. 144, Timmasumudram Village (White Gate),
Chenrad - Bangalore Highways Kancheepuram - 631502. Telephone Niumber:04+-24501622.
S.katan
Principal
ETHIRAJ COLLEGE FOR WOMEN
Chennai-8

# Marcus Pharmaceuticals 

67A, 5th Street, Kavingnar, Kannadasan Nagar, Ramapuram,
Chennai-600 089. Tel : 044-22490366 Fax : 044-22490511

Date:

DATED: 01.06.2018

## TO WHOM SOEVER IT MAY CONCERN

This is to Certify that Ms. J. MANO DEEPA (Roll No. 1713312049003) $1^{\text {st }}$ year M.Sc., Chemistry student of Ethiraj College For Women, Chennai- 600008 had undergone Internship in
Formulation Production \& Quality Control Departments of our Organization during the period from 25.04.2018 to 31.05.2018.

During the period training, her performance and conduct are found to be VERY GOOD. I wish her every success in life.

For M/s. Marcus Pharmaceuticals.


Managing Partner.


67A, 5th Street, Kavingnar, Kannadasan Nagar, Ramapuram,
Chennai-600 089. Tel : 044-22490366 Fax : 044-22490511

> Ref.

Date :

DATED: 01.06.2018

## TO WHOM SOEVER IT MAY CONCERN

This is to Certify that Ms. M.VINODHINI (Roll No. 1713312049012) $1^{\text {st }}$ year M.SC., Chemistry student of Ethiraj College For Women, Chennai- 600008 had undergone Internship in Formulation Production \& Quality Control Departments of our Organization during the period from 25.04.2018 to 31.05.2018.

During the period training, her performance and conduct are found to be VERY GOOD. I wish her every success in life.

For M/s. Marcus Pharmaceuticals.


Managing Partner.
i ,


Privicipal
ETHIRA COLLEGE FOR WOMEN
Chennai - 8

FITS. M. VIIAYA, M.Sc.,M. Phil., HEAD IC. ASSOCIATE PROFESSOR PG \& RESEARCH DEPARTMENT OF CHEMISTRY ETHIRAJ COLLEGE FOR WOMEN C.HENNAI-600 008.
A. 1301 Madurai District Co-operative Miill

Producer's Union Limited, Sivagangai
Main Road, Madurai - 625020.

## Tmt.C.Jayasroo,M.A.,M.A.B.Ed., D.R.O/General Manager

## CERTIFICATE

## TO WHOM SO EVER IT MAY CONCERN.

This is to certify the Ms. S.Gayathri, (Reg.No.1713322041006) doing M.Sc. (Microbiology ) in Ethiraj Arts \& Science College has undergone in Project for the period from (16.5.2018 to 31.05.2018) in Quality Control of our Organization. We found her conduct is good during the tenure.


2017-18

## Toextifeate

This is to certify that Project work entitled EDITORIAL ETIQUETT IN PRINT PUBLISHING has been done by

Ms. SINDHU BHAVANI P.M of M.A. English - I Year
in the partial fulfilment of the requirements for the award of degree of Master of Arts from Ethiraj College for Women, affiliated University of Madras. This project work is a record of bona fide work carr out by the trainee under my guidance and supervision.


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\begin{aligned}
& \text { S.llothari } \\
& \text { ETHIRAN COLLEGE FOR WOMEN } \\
& \text { CHENNAI-600 009) }
\end{aligned}
$$

r. J. MANGAYARKARASI
M.A.,M.Phil.,Ph.D.,PGCTE(EFLU) AN OF ACADEMICS AND HEAD DEAN OF ACADEMUPERVISOR RESEARCH SD. 28 January 2015 3 $6 . g n$. $/ 2015 / 102$ Dt. $G$ AND RFSEARCHLEGE FOR WOMAN, ETHIRAJ COLLEGE HENNAI-600 008.

## Coertificate

This is to certify that Project work entitled EDITORIAL ETIQUE'? IN PRINT PUBLISHING has been done by

MIS. LAVANYA R of M.A. English - I Year
in the partial fulfilment of the requirements for the award 0 degree of Master of Arts from Ethiraj College for Women, affiliate University of Madras. This project work is a record of bona fide work ca out by the trainee under my guidance and supervision.

12.06 .2017

r. J. MANGAYARKARASI M.A.M.Phil.Ph.D.PGCTE(EFLU). EAN OF ACADEMICS AND HEAD DEAN OFARCH SUPERVInuary 2015 ecogn. $12015 / 102$ Dt. 28 Jant OF ENGLISH Ge GAN RESEARCH DEPARTMER WOMAN,
ETHIRAJ CHENLEGE FOO 008.

Telephone 4914428369659 Website www nirt res in

Gg
राष्ट्रीय यक्षएमा अनुसंधान संस्थान
NATIONAL INSTITUTE FOR RESEARCH IN TUBERCULOSIS
(Formerly Tuberculosis Resoarch Centro)
Indian Council of Medical Research
Department of Health Research, Ministry of Health \& Family Welfare Government of India

Dr. V. N. Azger Dusthackeer
28-03-2018
Scientist B
Department of Bacteriology

## CERTIFICATE

This is to certify that the dissertation entitled "EFFECT OF SUB-
OPTIMAL CONCENTRATION OF ANTI TB DRUGS OVER THE HOST BACTERIUM" submitted by MISS. S. GOKULA LAKSHMI (16SP1507) in the partial fulfilment for the award of the degree of Master of Science done at the Department of Bacteriology, National Institute for research in Tuberculosis (ICMR), Chetpet, Chennai, is a record of the original work done, during the period of study under my guidance. It is certified that this thesis or any other part of thereof, has not been submitted for any other degree.

DA -1.
B. Angayarkanni

Senior technical officer
(Co-guide)


Dr. V.N. Azget Thisthackeer (Guide)

Or. V.N. Azger Dusthackeer, Ph.D.,
Scientist " $B$ "
National Institute of Revearch in Tuberculosis ICMiri Chotpet, Chennal 600031.

# NATIONAL INSTITUTE FOR RESEARCH IN TUBERCULOSIS 

INDIAN COUNCIL OF MEDICAL RESEARCH

1. Sathyamoorthy Road, Chetpet, Chennai - 60031

## TO WHOMEVER IT MAY CONCERN

This is to certify that the thesis entitled " Exploring The end mutant PROTEIN STRUCTURES OF HIV- $1 \rightarrow$ RE, Xt AND ITS EFFECT IN TROPISM " submitted by Ms. L.RAMYA ( 16 -SP1521) is a bonafide work done by her under guidance during the period of November 2017 -MARCH 2018 in the DEPARTMENT OF HIV/AIDS, NIRT, Chennai - 31


Scientist - ' E '
Department of HIV/AIDS
NIT
Chennai-60031

Dr. Luke Elizabeth Hanna
Scientist - 'E'
Department of HIVIAIDS
National Institute for Research in Tuberculosis
No. 1, Mayor Sathyamoorthy Road, Chelpet,
Chennai -600 031. Tel No: 044-2830.5597

# NATIONAL INSTITUTE FOR RESEARCH IN TUBERCULOSIS 

INDIAN COUNCIL OF MEDICAL RESEARCH
1, Sathyamoorthy road, Chetpet, Chennai -60031

## TO WHOMEVER IT MAY CONCERN

This is to certify that the thesis entitled " EXPLORING THE ENV MUTANT PROTEIN STRUCTURES OF HIV -1 $\rightarrow$ R5X4, RS AND ITS EFFECT IN TROPISM " submitted by Ms.S. RAMYA ( $16-\mathrm{SP} 1522$ ) is a bonafide work done by her under guidance during the period of November 2017 -March 2018 in the DEPARTMENT OF HIV/AIDS, NIRT, Chennai -31 .

Sub Eligaber Have Dr. Luke Elizabeth Hanna

Scientist - 'E'
Department of HIV/AIDS
NIT

## Chennai-60031

Dr. Luke Elizabeth Hanna
Scientist - 'E'
Department of HIVIAIDS National Institute for Research in Tuberculosis No.1, Mayor Sathyamoorthy Road, Chetpet, Chennai -600 031. Tel No: 044-28369597

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$$
\text { Batch: } 2016-18
$$

$\left.\begin{array}{lcll}\begin{array}{ccc}\text { DEPARTMENT OF MEDICAL PHYSICS } \\ \text { COLLEGE OF ENGINEERING CAMPUS }\end{array} & \begin{array}{l}\text { Office } \\ \text { Hod } \\ \text { Fax }\end{array} & \begin{array}{l}22358721 \\ 22358720 \\ 91-44-22358720\end{array} \\ \text { ANNA UNIVERSITY } \\ \text { CHENNAI } 600025\end{array}\right)$

## INTERNSHIP CERTIFICATE

Ms. Shameem bani S (Reg.No.STU16-SP1413) from Eithiraj College joined as an intern in our research group during May 2, 2017 to May 30, 2017 to work on a project on "ATR-FTIR in the analysis of various milk". During his internship she had hands on experience in the state of art equipments (UV VISIBLE SPECTROMETER-PERKIN ELMER LAMBDA 35 AND FTIR Spectroscopy - JASCO INTERNATION CO., LTD) that are available in the Biophotonics Laboratory of Department of Medical Physics, Anna University, Chennai - 25.

During the internship period she secured 100\% attendance and her character \& conduct was good.


Asst-rrofessor and Head Department of Physics (SS) Ethiraj College for Women Chemai-600 008
Dr. P. ARUNA, PhD.

Professor \& Head
Department of Medical Physics
Anna University,
Chennai - 600 025, INDIA
S. Mothoni

| Batch: $2016-18$ |  |  |  |
| :---: | :---: | :---: | :---: |
| 5 | DEPARTMENT OF MEDICAL PHYSICS | Office | 22358721 |
| C20 | COLLEGE OF ENGINEERING CAMPUS | $\begin{aligned} & \text { HOD } \\ & \text { Fax } \end{aligned}$ | $\begin{aligned} & 22358720 \\ & 91-44-22358720 \end{aligned}$ |
| 175 | ANNA UNIVERSITY |  |  |
| (1xention | CHENNAI 600025 | Email: | medphy@annauniv.edu |
| Dr.P.ARUNA |  |  |  |

Date.12.06.2017

## INTERNSHIP CERTIFICATE

Ms.S.Sruthi (Reg.No.16SP1414) from Ethiraj College for Women joined as an intern in our research group during May 2017 to June 2017 to work on a project on "Native Fluorescence Spectroscopic the analysis of Cow and Goat milk". During her internship she had hands on experience in the state of art equipment (FLUROMAX-2 - HORIBO JOBIN YVON) that are available in the Biophotonics Laboratory of Department of Medical Physics, Anna University, Chennai - 25.

During internship period her character and conduct was good.


Dr. P. ARUNA, Ph.D., Professor \& Head
Department of Medical Physics Anna University,
Chennai-600 025, INDIA.


Asst- Professor and Head
Department of Physies (SS)
Ethinaj College for Women
Chemai-600 008

## S. Lothai

PRINCIPAL ETHIRAJ COLLEGE FOR WOMEN
(AUTONOMOUS)
CHENNAI-600 008.

#  <br>  <br> Coodrecthagow with 

MEENAMBAKKAM BRANCH
12 KRISHNASWAMY STREET
PALAVANTHANGAL
CHENNAI 600114
30-06-2018
e mail : iob0170@iob.in

## TOWHOM SO EVER IT MAY CONCERN

This is to certify that Miss.V.Akshaya, I year B.com (Hons) Student of Ethiraj College (Autonomous) Chennai has successfully completed her internship project with our bank from 30.04.2018 to 15.06 .2018 for about 7 weeks. She evinced interest in learning on various sections of branch work.

During this period of internship she was punctual and hardworking.
Wishing her all success in her life and career.


## S.kother

Principal
ETHIRAJ COLLEGE FOR WOMEN
Chennai - 8


MEENAMBAKKAM BRANCH 12 KRISHNASWAMY STREET PALAVANTHANGAL
CHENNAI 600114

## 30-06-2018

Phone: 044-22245887

## TOWHOM SO EVER IT MAY CONCERN

This is to certify that Miss.R.VIDYA, I year B.com (Hons) Student of Ethiraj College (Autonomous) Chennai has successfully completed her internship project with our bank from 30.04.2018 to 15.06 .2018 for about 7 weeks. She evinced interest in learning on various sections of branch work.

During this period of internship she was punctual and hardworking. Wishing her all success in her life and career.

S.kothai

Principal
ETHIRA COLLEGE FOR WOMEN
Chennai-8

# घण्डयन ओवस्सीज्ञ चैक 

Indian Overseas Bank
अपकी प्रगति का सच्या साथी
Good People to grow with
WASHERMENPET BRANCH
T.H.Road, Old Washemenpet

Chennai-600021 Tel: 044-2595334

5.knteai
Principal

## Certificate

This is to certify that Ms. S SWETHA, Student of $1^{\text {st }}$ Year B Com (Hons) from Ethiraj College for Women, Chennai has undergone Internship Training as Summer Project in our organization for a period from $1^{\text {st }}$ May 2018 to $15^{\text {th }}$ June 2018 and has carried out a project under our guidance, towards her partial fulfillment of the syllabus of B Com (Hons).

During the tenure of training with us we found her studious and regular.


ETHIRAJ COLLEGE FOR WOMEN
Chennai - 8
 CHENNA OUO 008.
$4^{\text {th }}$ June 2018

To Whom It May Concern

This is to certify that Miss. V.PAVITHRA, Second year student of Bachelor of Business Administration has been assigned to do Project on "Advertising Effect of Eureka Forbes" in Human Resource Department at our Organization from $02^{\text {nd }}$ May 2018 to $02^{\text {nd }}$ June 2018.

She has successfully completed the Project Specified to her. We found her to be Sincere, Hardworking and Dedicated in her assignment.

We wish her all the very best for the rest of the Career and Future endeavors.

## Regards,

## For Eureka Forbes Ltd,



Regional Head -Human Resources
(JAIL


Principal
ETHIRAJ COLLEGE FOR WOMEn
Chennai- 8

## INDIAN OVERSEAS BANK

Chennai Mint Branch - Code: 3257
Phone no: 044-25290204
Email: iob3257@iob.in / mintbr@iobnet.co.in

Date: 20.07.2018

To
The Head of the Department
Bachelor of Business Administration
Ethiraj college for Women
Egmore
Chennai

Sir / Madam,

## Sub: Project Completion Letter - reg

This is to certify that Ms. R.KAVITHA, roll no: 16-S401060 who is pursuing her B.B.A in your institution had completed her Internship Project in our bank during the period $13^{\text {th }}$ June' 18 to $13^{\text {th }}$ July' 18 as part of her academic requirement.

During the course of internship, her ccidduct was good.
We wish her success in all her future endeavour.


Principal
ETHIRAJ COLLEGE FOR WOMEN
Chennai - 8

UNIVERSITY OF MADRAS
Department of Analytical Chemistry
Guindy Campus, Chennai-25
Email: venkatachalam@unom.ac.in
kvenkatchemistry@gmail.com
K. VENKATACHALAM
sstant Professor
$84137117.044-22202716$

## CERTIFICATE

This is to certify that the work embodied in this project entitled "Carbazole as a $\pi$ -
Linker for Application in DSSC: Synthesis, Characterization and Spectroscopic Investigation" submitted by INDUMATHI. S, (Reg No: 16-P602) Department of chemistry, Ethiraj college for women (autonomous), Chennai-08, affiliated to the University of Madras is the original and independent work carried out by her in the laboratory of the Department of Analytical chemistry, University of Madras, under my supervision. This dissertation has not been previously formed basis for the award of any degree. diploma, associate ship, fellowship or any other similar titles.

## Project Supervisor



Dr. K. VENKATACHALAM
Assistant Professor
Department of Analytical Chemistry
Kiniversity of Madras
Guindy Campus
Chennai-600025

## S. $16 \operatorname{cotan}$

EIMAAJ WULILG I UR WOMEN
(AUTONOMOUS)
CHENNAI -600 008

I DIVERSITY OF MADRAS
DEPARTMENT OF INORGANIC CHEMISTRY
GLINDY (MARAIMALAI) CAMPUS, CHENXAI-600 025
(Tel/Fax: 044-22302796)

## CERTIFICATE

This is to certify that the work presented in this dissertation entitled. "SINGILE-POT SYNTHESIS OF HIGHLY STABLE AgNPs LOADED PEDOT/GO NANOCOMPOSITES AND ELECTROCHEMICAL DETECTION OF DOPAMINE IN SERLM SAMPLES" submitted to the college for the award of MASTER OF SCIENCE once is a bonafide record of work carried out by P.C.KARTHIGA, (Reg .No: 16-P603) in the Department of Chemistry, Ethiraj College For Women. Chennai-08, during the period of June 2017 to March 2018 She has carried out his work at Nan Chemistry Lab. Department of Inorganic Chemistry. University of Madras, Chennai 600 025, under my guidance and supervision. This also to certify that the dissertation represents her independent. original investigation without forming previous part of the material for the any degree, other similar title in any University


Guidance and Supervision
Dr. K.PANDIAN
Associate Professor,
Department of Inorganic Chemistry.
University of Madras
Chennai-600025

Dr. K. PANDIAN, MISc., PhD.
Associate Professor
Department of Inorganic Chemistry
University of Madras
Guindy Campus.
Chennal-600 025

## S. kothoi

PRINCIPAL.
ETHIRAJ COLLEGE FOR WOMEN
(AUTONOMOUS)
CHENNAI-600 008.

## CERTIFICATE

This is to certify that the work embodied in this project entitled "Synthesis Of D-A
Organic Dyes With Different Acceptors For Dye-Sensitized Solar Cells" submitted by NAVYA.G, (Reg No: 16-P605) Department of chemistry. Ethiraj college for *omen (autonomous), Chennai-08, affiliated to the University of Madras is the original and independent work carried out by her in the laboratory of the Department of Analytical chemistry. University of Madras, under my supervision. This dissertation has not been previously formed thesis for the award of any degree, diploma, associate ship, fellowship or any other similar titles.

## Project Supervisor



Dr. K. VENKATACHALAM
Assistant Professor
Department of Analytical Chemistry
University of Madras
Guindy Campus
Chennai-600025


PRINCIPAL
ETHIRAJ COLLEGE FOR WinMnEN
(AUTONOMOUS)
CHENNAI-600 008.


Dr. K. VENKATACHALAM
Assistant Professor
4884137117.044-22202716

UNIVERSITY OF MADRAS
Department of Analytical Chemistry
Guindy Campus, Chennai-25
Email: venkatachalam@unom.ac.in
kvenkatchemistry@gmail.com

## CERTIFICATE

This is to certify that the work embodied in this project entitled "INFLUENCE OF ACCEPTORS IN INDOLE DYES FOR DYE-SENSITIZED SOLAR CELLS" submitted by SARANYA.M, (Reg No: 16-P607) Department of chemistry, Ethiraj college for women (autonomous), Chennai-08, affiliated to the University of Madras is the original and independent work carried out by her in the laboratory of the Department of Analytical chemistry, University of Madras, under my supervision. This dissertation has not been previously formed basis for the award of any degree, diploma, associate ship, fellowship or any other similar titles,

## Project Supervisor



## Dr. K. VENKATACHALAM

Assistant Professor
Department of Analytical Chemistry
University of Madras
Guindy Campus
Chennai-600025

## S.kothai

PRINCIPAL
EIHiKAJ COLLEGE FOR WCMAEN
(AUTONOMOUS)
CHENNAI-600 008.

UNIVERSITY OF MADRAS
DEPARTMENT OF INORGANIC (HHEMISTR) GUINDY (MARAIMAI.AI) CAMPUS, (HENNAI-600 025 (Tel/Fax: 044-22302796)

## CERTIFICATE

This is to certify that the work presented in this dissertation entitled, "Ex-situ synthesis of highly stable AgNPs loaded PEDOT/LGS sheets and Electrocatalytic Oxidation of Ascorbic acid" submitted to the college for the award of MASTER OF SCIENCE once is a bocafide record of work carried out by THESEEN.A (Reg.No: 16-P610) in the Department of Chemistry, Ethiraj College For Women, Chennai-08, during the period of June 2017 to March 2018. She has carried out her work at Nano Chemistry Lab, Department of Inorganic Chemistry, Diversity of Madras, Chennai-600 025, under my guidance and supervision. This is to certify the the dissertation represents her independent, original investigation without forming previous part of the material for any degree, other similar title in any University.


Guidance and Supervision
Dr. K.PANDIAN.
Associate Professor.
Department of Inorganic Chemistry
University of Madras.
Chennai-600 025
D. K. PANDIAN, M.Sc., PhD Associate Professor
Department of Inorganic Chemistry University of Madras Guindy Campus, Chennal-600 025.


PRIMJ:IPAL

$$
\text { Batch: } 2016-18
$$

DEPARTMENT OF MEDICAL PHYSICS

Office 22358721
HOD 22358720
Fax 91-44-22358720

Email: medphy@annauniv.edu

## INTERNSHIP CERTIFICATE

Ms.S.Sruthi (Reg.No.16SP1414) from Ethiraj College for Women joined as an intern in our research group during May 2017 to June 2017 to work on a project on "Native Fluorescence Spectroscopic the analysis of Cow and Goat milk". During her internship she had hands on experience in the state of art equipment (FLUROMAX-2 - HORIBO JOBIN YVON) that are available in the Biophotonics Laboratory of Department of Medical Physics, Anna University, Chennai - 25.

During internship period her character and conduct was good.


HEAD
Dept. of Medical Physics
Dr. P. ARUNA, PhD.,
Professor \& Head
Department of Medical Physics
Anna University,
Chennai - 600025 , INDIA.

## Sm

Asst-frofessor and Head Department of Physics (SS) Ethiraj College for Women Chennai -600 008


PRINCIPAL
ETHIRAJ COLLEGE FOR WOMEN

Dr.D.Seghar, m.Sc., M.Phil., Pli.D.
Head and Associate Professor
Government Arts College for Men (A), Nandanam, Chennai- 600035

## CERTIFICATE

This is to certify that this dissertation entitled "FRET PATTERN OF THE VEENA DOESNOT CHANGE THE PITCH OF THE INSTRUMENT" submitted to the University of Madras in partial fulfillment of the requirements for the award of the degree for Master of Science in Mathematics, is a record of original work done by S ASHWINI, ETHIRAJ COLLEGE FOR WOMEN during the period from $01 \cdot 05.18$ To $15.06 \cdot 18$ under my guidance and supervision. This project has not been formed the basis for the award of any degree or diploma or fellowship by this institution or any other institution or University of higher learning.

## Place: Chennai

Date: $9 / 7 / 18$
D. SESOCIATE PROFESSOR ASSOCIATL OF MATHEMATICS DEPARTMENT OF MARTAEMA (Autono
 Nandariam,

S. Kothai<br>Principal



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ETHIRAJ COLLEGE FOR WOMEN
Chennai- 8

S. kothan'

Principal
ETHIRAJ COLLEGE FOR WOMEN
Chennai - e


> S. kothoi

Principal
ETHRAL COLLEGE FOR WOMEN
Chennai - 8

## uni.q technologies

ISO 9001:2015 CERTIFIED

## CERTIFICATE OF COMPLETION

This is to certify that RATALAKSHMI. B
has successfully completed mini project in MATCAB
entitled $\qquad$ usina $\qquad$
(0) (3)


Samsung Triple Camera
shot with my
Galaxy A7 (2018)

## S. Kothoi

Principal
ETHRAA COLLEGE FOR WONE
Chennai - 8

S.llothan

ETHIRAJ COLLEGE FOR WOMEN
Chennai - 8
Samsung Triple Camera
$\qquad$ S. SHRUTHI has successfully completed mini project in entitled STUDENTS GRADE SYSTEM USING MATIAB

## Program Coondthator

S.kothoi

Principal
ETHIRAJ COLLEGE FOR WOMEM
Chennai - 8

Dr.V.CHINNADURAI, M.Sc., M.Phil., M.Ed., M.A., D.L.L., Ph.D.,
Associate Professor,
Department of Mathematics,
Annamalai University,
Annamalai Nagar-608002

## CERTIFICATE

This is to certify that this dissertation entitled "A STUDY OF THE SOFT SET
THEORY" submitted to the University of Madras in partial fulfillment of the requirements for the award of the degree for Master of Science in Mathematics, is a record of original work done by E SONIYA, ETHIRAJ COLLEGE FOR WOMEN during the period from $28 / 4 / 18$ to $15 / 6 / 18$ under my guidance and supervision. This project has not been formed the basis for the award of my degree or diploma or fellowship by this institution or any other institution or university of higher learning.

Place: Clivitembirum
Date: 2c los lis

Signature
Dr. V. ChIMNADURAI
Associate Professo.
Departhent of Matnernatics. Annamalai University: Anmar (V.Chinnádurai) 0 ?

Principal
ETHIRA COLLEGE FOR WOMEN
Chennai- 8

Dr.D.Seghar, M.Sc., M. Phil. Fh.D.
Head and Associate Professor
Government Arts College for Men (A), Nandanam, Chennai- 600035

## CERTIFICATE

This is to certify that this dissertation entitled "STUDIES ON THE ANALYSIS OF LUNAR MONTH AND PHASES OF THE MOON OVER A DECADES" submitted to the University of Madras in partial fulfillment of the requirements for the award of the degree for Master of Science in Mathematics, is a record of original work done by B VAISHALI, ETHIRAJ COLLEGE FOR WOMEN during the period from $01 \cdot 05^{\circ} \cdot 18$ to $15^{\circ} \cdot 06 \cdot 18$ under my guidance and supervision. This project has not been formed the basis for the award of any degree or diploma or fellowship by this institution or any other institution or University of higher learning.

Place: Chennai
Date: $q / 718$
DV D. SEGHAR, M.Sc., M.PhIl., $p$-hd ASSOCIATE PROFESSOR EOARTMENT OF MATHEMATICS .n (i) For Men (Autonomous)
... (D. Seghar) 600035

## S. Kothai

Principal
ETHRAJ COLLEGE FOR WOMEN
Chennai - 8
Samsung Triple Camera
shot with my Galaxy A7 (2018)

## INDIAN RAILWAYS

सवारीडिब्बा कारखाना, चेत्रै-600 03

## INTEGRAL COACH FACTORY, CHENNAI-38

Pele FAX:044-26281227
Ry - 47612
Office of the Principal
Technical Try. Centre Date:22.03.17

## HEAD OF THE DEPARTMENT

ETHIRAJ COLLEGE FOR WOMEN
CHENNAI- 600008.
Sir / Madam,
Sub: Project Work (45 Days only) for M. Com I year
(HR) Students
Ref: College Bonafide Certificate / College Letter
No.NIL 20.03.17.

Based on your request permission is hereby accorded for Project Work for the following students of your institution from MAY 2017 to JUNE 2017 (From 02.05.17 to 15.06.17-45 Days only).
1.R.VIDULA

The above students may be directed to contact the under-signed with 3 passport size photos and formal dressing code with safety shoes, for completion of necessary formalities in connection with the above training.

Note: Laptop, Video/Camera cell Phone inside the Factory is prohibited. Fees once paid will not be refunded at any circumstances.

Fees Receipt No and Date:3118/311714,DT.22.05 2017
RAILWAY WARDS
Fees Amount: Rs. 2000 /-
Reg. No. 701

> TrMcipal
> ETHIRAJ COLLEGE FOR WOMEIY Chennai - 8

2020-21

## BONAFIDE CERTIFICATE


K. Dom ur in way Supervisor and wide
Head, Department of Commerce

Date: " $17 \mathrm{~F}=\mathrm{C}$
Place: CHENNAI

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& \text { R. Ofenth } \\
& \text { Controller of Exam nations } \\
& \text { Ethiraj College for vromen } \\
& \text { (Autonomous) } \\
& \text { Ethiraj Salai, Chennai-600 } 008
\end{aligned}
$$



## Ref: TAL/ECFW/2015-16/323

$21^{\text {st }}$ March 2016

Ms V K Maragathavalli
HO D - Corporate Secretary ship
Ethiraj College for Women
Chennai - 600008

Madam,

Sub: - Final year Project

We refer to your letter dated $03^{\text {rd }}$ March 2016, with regard to the Under Graduate level Administrative / Secretarial training. $\qquad$
We are pleased to inform you that we shall allow Ms K Aishwarya and Ms B Manochithra, bona fide students of your College to undergo the Administrative/Secretarial training for a period of 30 days from 2 ${ }^{\text {nd }}$ May 2016.

Thanking you,
Yours faithfully,
For TAFE ACCESS LIMITED,


## R SUREST

Sr DGM - FINANCE \& ACCOUNTS

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

## WHEELS INDIA LIMITED

Corporate Identity Number : L35921TN1960PLC004175
Registered Office
21, Patullos Road, Chennai - 600002.

## PRNL/2016

## To

The Principal,
Ethiraj College for Women, Chennai - 600008.

## Sub: Project Training

Sir/Madam,
With reference to your letter dated 09.03 .16 on the above subject, we wish to intimate that we will permit the following student/s of your institution to undergo project work in our factory. The details are given below:

Name : Ms.P.R.Renuka \& Ms.K.Pavitra
Period: 30 Days
Venue: Padi
The other terms and conditions are as follows:
No stipend or any other payments will be paid
Candidate should abide by the all the rules, regulations and guidelines of our Company. We will be under no obligation should there be a personal injury during the period of internship training
Candidate should submit to us for approval, the report, if any, before presenting it to the Institution.

Thanking you,
Yours Sincerely,
For WHEELS INDIA LIMITED

K.Saravanan
(Training \& Development)

## अण्डयन ओवस्सीज्रांक


आपकी क्रगति का सच्या साथी Tou पर से
Good People to grow with
INDIAN OVERSEAS BANK
Telephone: 04427463266
Singaperumal Koil BRANCH
5/81 A GST Road, Singaperumal Koil
Chingleput, 603204
Branch::: 55 :2017-18 Date : 08.08.2017
The Head of the Department
Department of Commerce (Hons)
Ethiraj College of Women
Chennai

Dear Madam
Ms Jayasree - Regd No 16-S04007 - Project work in General Banking
Ms Jayasree had undergone Project Work at our Branch from 03.05.2017 to 15.06.2017 in General Banking as per the permission given by our Regional Office.

Ms Jayasree was very reqular and punctual and showed keen interest in learning the General Banking. She interacted with the Bank's customers and understood their request very easily and was keen ontived of General Brequest. She evinced Iot of interest in learning many coted her project work Banking. We certify that she was well behaved and performed her project work with full enthusiam and involvement.


ETHIRAJ COLLEGE FOR WOR?A

## IO WHOMSOVER IT MAY CONCERN

## 

This is to certify that Ms. V. Shalini, D/o. K.Vadivel, I year B.Com (Hons.), Ethiraj College for Women, Chennal has undergone Internship in our Branch from 04.05.2017 to 15.06.2017.

This has the concurrence of our Regional Office, Salem.
For INDIAN OVERSEAS BANK



## TOWHOM SO EVER IT MAY CONCERN

This is to certify that Miss.S.Swedha, I year B. com (Hons) Student of Ethiraj College (Autonomous) Chennai has successfully completed her internship project with our bank from 03.05.2017 to sections of branch work. She evinced interest in learning en end and hardworking. During this period of intern er life and career. Wishing her all success in her life and career.


Principal

## GANPATH LEATHER EXPORTS

Plot No. 71B, Sipcot Industrial Complex, SIPCOT, Ranipet - 632403 Vellore District.

## COMPLETION OF INTERNSHIP PROJECT

This is to certify that Miss. SARANYA. M (Reg No: 16-P607, $\mathbf{1}^{\text {st }}$ Year, M.Sc.
Chemistry) student from Ethiraj College for Women's has successfully completed her EVTERNSHIP PROJECT WORK in our company. During the period from $2^{\text {nd }}$ May 2417 to $6^{\text {th }}$ June 2017 as part of her studies.

She has done project titled "Leather and its applications" at Sipcot, Ranipet. She is hand to be committed to the assignments / studies assigned and has shown desire to barn and complete the tasks systematically.

We wish her a bright future and all success in her future endeavours.
Far GANPATH LEATHER EXPORTS

SEMPATH LEATHER EXPORTS
Even
*. GanapatiI ${ }^{\text {fETor }}$ Managing Director

GANPATHLEATHEREXPORTS 10.320-B. TNHB Swam SNanancha Naga


FACTOR AT: GANPAIH LEATHER EXPORPLEX, No. $11 \cdot 3$, SIPCOT MDUSTRIAL CO TM
SIPCOT, RANIPET 632403 .

## S.toteai

Principal


Mrs. M. VIJAYA, M.Sc.,M.Phil., HEAD IC. ASSOCIATE PROFESSOR
 ETHIFA: COLT CE FOR WOMEN CHEINIVAI-600 00\%.

Dr. M. DHARMENDIRA KUMAR, M.Sc., Ph.D.,
Assistant Professor
CERTIFICATE
This is to certify that the work embodied in this project entitled "GREEN SYNTHESIS OF ZINC OXIDE AND MAGNESIUM OXIDE NANOPARTICLES USING CINNAMON CAMPHOR AND ITS EFFECT ON DYE DEGRADATION AND ANTIBACTERIAL ACTIVITY " submitted by ANITHA.S, Department of chemistry, Ethiraj college for women, Chennai-08, affiliated to the University of Madras is the original and independent work carried out by her in the laboratory of the Department of Applied Science and Technology, Alagappa College of Technology, under my supervision.

Project Supervisor

Dr. M. DHARMENDIRA KUMAR,
Assistant Professor,
Department of Applied Science and Technology,
Alagappa College of Technology,
Chennai-600025
Or. M. DHARMENDNA KUMAR
SENIOR ASSISTANT PROFESSOR

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\begin{aligned}
& \text { S. LCothan } \\
& \text { PRINCIPAL } \\
& \text { ETHIRAJ COLLEGE FOR WOMEN } \\
& \text { AUTONOMOUS) } \\
& \text { CHENNAI -G00 008. }
\end{aligned}
$$

## CERTIFICATE

This is to certify that the work embodied in this project entitled "Green SYNTHESIS OF ZINC OXIDE AND MAGNESIUM OXIDE NANOPARTICLES USING CESTUS rICTUS PLANT AND ITS POTENTIAL APPLICATION IN DYE DEGRADATION AND ANTIBACTERIAL ACTIVITY" submitted by SRILEKHA $P$, Department of chemistry, Ethiraj college for women (autonomous), Chennai-08, affiliated to the University of Madras is the original and independent work carried out by her in the laboratory of the Department of Applied Science and Technology, Alagappa College of Technology, under my supervision.

## Project Supervisor

Dr. M. DHARMENDIRAKUMAR
Assistant Professor
Department of Applied Science and Technology
Alagappa College of Technology
Anna University Ur. M. DHARMENDINA KUMAR
SENIOR ASSISTANT PROFESSOR
SENIOR ASSISTANT PROF ESSOF
 ANNA UNIVERSITY, CHENTMA 600025
S.kothoi

ETHAN COLLEGE FOR WOMEN
(AUTONOMOUS)
CHENNAI-600 003.


DEPARTMENT OF CHEMISTs: CEPARTMEN CHE GE FOR NOM: THIRAJ COLL
CHINA -600008.

CENTRAL LEATHER RESEARCH INSTITUTE
(Council of Scientific and Industrial Research) Adyar, Chennai-600 020, India

Dr. K. Iyappan, B.E., M.Sc.,Ph.D.
Senior Technical Officer
Chemical Engineering Division

## BONAFIDE CERTIFICATE

I hereby certify that the dissertation entitled "DUAL OR HETERO ATOM (NITROGEN AND SULPHUR) - DOPED HIGH SURFACE ACTIVATED CARBON PREPARED FROM BIO WASTE (VITEX NEGUNDO) FOR LEAD ACID BATTERIES" submitted by Ms. EZHILARASI. K. (Reg. No. 15-P603) to the Department of Chemistry, Ethiraj College for women, Chennai in partial fulfillment of the requirements for the degree in MASTER OF SCIENCE for the academic year March 2017 is the original and independent work carried out by her in the Department of Chemical Engineering, CSIR-CLRI, Adyar, Chennai under my supervision. This dissertation has not been previously formed the basis for the award of any degree, diploma, associateship, fellowship or other similar titles

This work reported here is a professional work of CSIR-CLRI and this should not be published without prior permission from the competent authority.


Signature of the Project Supervisor (Dr. K. IYAPPAN)


Tel (Off 4916706 (Direct) 4911386 Extn 346 Res 22583081
Cell 9840482785 Fax (044)4911589 E-Mail nivilyappan@hotmal con
S. Kothei

ETHIRAS GOLLIGH HOR WOMELA
(AUTONONOUS)
CHENNAI-600 008.

## CENTRAL LEATHER RESEARCH INSTITUTE <br> Council of Scientific and Industrial ReST Advar, Chennet 600020 India

Dr. K. Iyappan, B.E., M.Sc.,Ph.D.
Senior Technical Officer
Chemical Engineering Division

## BONAFIDE CERTIFICATE

I hereby certify that the dissertation entitled "DUAL OR HETERO ATOM (NITROGEN AND SULPHUR) - DOPED HIGH SURFACE ACTIVATED CARBON PREPARED FROM BIO WASTE (BABUL BARK) FOR LEAD ACID BATTERIES" submitted by Ms. JAYAPRABHA. J. (Reg. No. 15-P604) to the Department of Chemistry, Ethiraj College for women, Chennai in partial fulfillment of the requirements for the degree in MASTER OF SCIENCE for the academic year March 2017 is the original and independent work carried out by her in the Department of Chemical Engineering, CSIR-CLRI, Adyar, Chennai under my supervision. This dissertation has not been previously formed the basis for the award of any degree diploma, associateship, fellowship or other similar titles.

This work reported here is a professional work of CSIR-CLRI and this should not be published without prior permission from the competent authority

(Dr. K. IYAPPAN)


Cell 9840482785 , Fax (048) (Off 4916706 (Direct) 4911386 Extn 346. Res 22583081

## S. LCotheri

ETHIRAJ COLLEGE FOR WOMEN
(AUTONOMOUS)
CHENNAI-600 008.


DEPARTMENT OF CHEMISIK -THIRAJ COLLEGE FOR NOME CHENNAI -600 008.

## TO WHOM SO EVER IT MAY CONCER:

Certified that Ms. R.JANANI with Register Number 15-SP1204 a student of M.COM Degree Course in ETHIRAJ COLLEGE FOR WOME: has undergone the project work in SHRUSTI CONSTRUCTION from April 20 2016 to June 05/2016. During period of study and observation in our ganization her conduct was good.


## TO WHOMSOEVERIT MAYCONCERN

This is to certiify that Ms. M J Lackasree (Reg. No S1284CORPPG15) pursuing - First year M.COM Corporate Secretaryship Course in Ethiraj College for Women has undergone her Project training with us for a period of 45 days from April 2016 to May 2016 in our Human Resources departnht.

We wish her all the best in her future endeavors.

DGM - Human Resources

## TO WHOM SO EVER IT MAY CONCERN

Certified that Mr./Ms. S.PREETHIKA with Register Number. 15-SP1214 a student of M.COM Degree Course in ETHIRAJ COLLEGE FOR WOMEN has undergone the project work in T1 INDIA LIMITED from April 20/2016 to 05 ${ }^{\text {th }}$ June 2016. During the period of study and observation in our organization his/her conduct was good.


## R.K. INDUSTRIES TAMILNADU (P) LTD.

## TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. C.Prashanthi (REG. No.15SP1212) pursuing first year M.com. Corporate Secretaryship course in Ethiraj College for women has undergone her project training with us for a period of 45 days from April 2016 to May 2016.
We wish her all the best in her future endeavors

C.Shadhanand

Quality Manager


TO WHOM SO EVER IT MAY CONCERN

Certified that Mr.Ms. R.M.UMADEVI with Register Number. 15-SP1219 a student of M.COM Degree Course in ETHIRAJ COLLEGE FOR WOMEN has undergone the project work in HERMER MED SYSTEM from April 202016 to $05^{\text {t* }}$ June 2016. During the period of study and observation in our organization his her conduct was good.

Date:


Pincer
Signature


## KALEESUWARI <br> ```REFINERY PRIVATE UMITED```

To,
The Head of the Department
Commerce
ETHIRAJ COLLEGE FOR WOMEN,
\#70,Ethiraj Salai,
Chennai- 600008

Dear Sir,
Sub: Permission regarding Project work -Reg:


We herby inform that based on the requisition letter from the college dated 29.02.2016, , we are permitting Ms.Y.H.KEERTHANA (15-P710), first year M.Com student, for doing her project at our factory in the period April 2016 to May 2106 Also, please note that the student have to follow all the rules and regulation of the factory for the period of the project, any deviation noted will lead to the cancellation of the project.


For Kaleesuwgri Refinery Private Limited,.

Regd. \& Corp. Office: 53, Rajasekaran Street, Mylapore, Chennai-600 004, Tel. : 91443999 3999, Fax : 914439993900 Factory: 5, Mambakkam Road, Vengaivasal, Chennai -600 126, Tel. :91442277 1555, Fax: 914422771222 Email: mail@kaleesuwari.com, Website : www.kaleesuwari.com
TIN No. : 33391280956 , CST No. : 89092 dt 23.02 . 93 , CIN No.U15142TN1984PTC010763

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## INDIAN STATISTICAL INSTITUTE

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Professor S. K. Neogy SQC \& OR Unit 7, S. J. S. Sansanwal Marg New Delhi: 700016 Mob. No.: 9871780278

August 17, 2017

## To Whom it May Concern

This is to certify that Ms. N. SWATHI (Registration No. 16-SP1134) MS. Mathematics, $I^{\text {st }}$ year (ETHIRAJ COLLEGE FOR WOMEN, Chennai) daughter of Mr. G.NAGARAJAN has successfully completed the summer project titled "A Problem on Linear Inequalities" under supervision of Prof. S. K. Neogy and Dr. Dipti Dubey from May 5, 2017 to June 16, 2017.

I found her honest, dedicated, hardworking and well-behaved during the summer project. I wish her every success in life.


एस. के. नियोगी / S. K. NEOGY
 Indian Statistical Institute, Delhi Centre 7.रंटीद जीट शिंद सनसनवाल भार्ग. नर्ई दिल्ली-16 7.Shaheed Set. Singh Sansanwal Marg, N.Delhi-16

