



OPTIMIZATION OF ROPLANT



A PROJECT REPORT

Submitted by

A. CLINTON, (17201009)

M.PRADEEP, (17201046)

M.SATHISH KUMAR, (17201055)

in partial fulfillment for the award of the degree

of

BACHELOR OF TECHNOLOGY

IN

DEPARTMENT OF CHEMICAL ENGINEERING

PAAVAI ENGINEERING COLLEGE,

(AUTONOMOUS)

May 2021



**AMMONIUM SULPHATE LIQUOR
PREPARATION USING CONCENTRATOR VESSEL IN
AMMONIUM SULPHATE PLANT**

A PROJECT REPORT

Submitted by

ANOOP POULOSE (17201003)

ANUMOL POULOSE (17201004)

JIFIN JOY (17201029)

MEGHA KURIAKOSE (17201038)

In partial fulfilment for the award of the degree

of

BACHELOR OF TECHNOLOGY

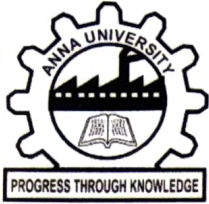
In

CHEMICAL ENGINEERING

PAAVAI ENGINEERING COLLEGE, NAMAKKAL

AUTONOMOUS

MAY 2021



MANUFACTURE OF FORMALDEHYDE FROM METHANOL



A PROJECT REPORT

Submitted by

INDUMATHI. M	(17201026)
RAMANIKANNAN. R.C	(17201049)
RAVI. G	(17201050)
SUBASH CHANDRA BOSE. G	(17201059)

in partial fulfillment for the award of the degree

of

BACHELOR OF TECHNOLOGY

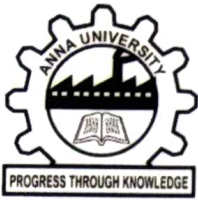
IN

CHEMICAL ENGINEERING

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

MAY 2021



DESIGN, FABRICATION AND ANALYSIS OF COMPOSTER FOR HANDLING HOUSEHOLD WASTES



A PROJECT REPORT

Submitted by

BALAKUMARAN N	17201007
GOKULAKRISHNAN M	17201022
LAKSHMANAN R	17201035
VIGNESH J	17201063

*in partial fulfillment for the award of the
degree of*

BACHELOR OF TECHNOLOGY

IN

CHEMICAL ENGINEERING

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

NAMAKKAL - 637018

APRIL 2021



**REMOVAL OF CHROMIUM
FORM INDUSTRIAL EFFLUENT
USING ALOE VERA
A PROJECT REPORT**



Submitted by

DIVYA. M	(17201015)
JAHAN RAJA. B.S	(17201027)
SAYANTH. P.S	(17201056)
SUBRAMANIAN. K	(17201060)

In partial fulfillment for the award of the degree

of

BACHELOR OF TECHNOLOGY

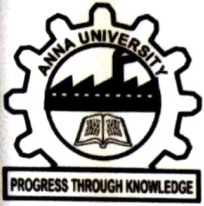
IN

CHEMICAL ENGINEERING

PAAVAI ENGINEERING COLLEGE

AUTONOMOUS

MAY 2021



MANUFACTURING OF ACETALDEHYDE USING DEHYDRAGENATION OF ETHANOL



A PROJECT REPORT

Submitted by

ABINESH.M	17201001
MOHAMMED RAFNASH.A	17201040
PRASANTH.R.S	17201048

In partial fulfillment for the award of the degree

of

BACHELOR OF TECHNOLOGY

in

CHEMICAL ENGINEERING

PAAVAI ENGINEERING COLLEGE, NAMAKKAL

(AUTONOMOUS)

MAY 2021



**PAPER MAKING FROM PINEAPPLE
LEAVES AND RAMIE FIBER**



A PROJECT REPORT

Submitted by

GOWTHAMAPRABHAKARAN.S	(17201023)
JEEVANANDHAM.G.S	(17201028)
MOHAMMED ANASH.A	(17201039)
SAIKUMAR.T	(17201052)

in partial fulfillment for the award of the degree

of

BACHELOR OF TECHNOLOGY

IN

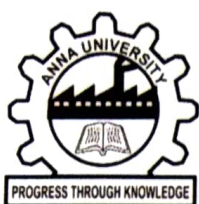
CHEMICAL ENGINEERING

PAAVAI ENGINEERING COLLEGE,

NAMAKKAL.

(AUTONOMOUS)

MAY 2021



**OPTIMIZATION OF HEAVY METALS
FROM INDUSTRIAL WASTE WATER**



USING 80:20 DD: ID (DODECCAN & ISO DECADENT)

A PROJECT REPORT

Submitted by

ARAVINDHA KUMAR.M (17201005)

DEVARAM.T.S (17201011)

DHARSHANA.N (17201012)

GOKUL.S (17201019)

in partial fulfillment for the award of the degree

of

BACHELOR OF TECHNOLOGY

IN

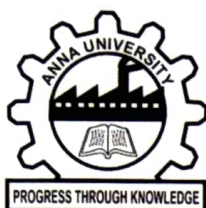
DEPARTMENT OF CHEMICAL ENGINEERING

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

NAMAKKAL – 637018

MAY 2021



**FABRICATION OF MEDICATED
CHOCOLATE BY USING
*ANDROGRAPHIS PANICULATA***



A PROJECT REPORT

Submitted by

DEEBAN RAJ.T,	(17201010)
GOKULA KRISHNAN.P V,	(17201020)
HALITH.M,	(17201024)
NAVEEN KUMAR.M,	(17201041)

in partial fulfilment for the award of degree

of

BACHELOR OF TECHNOLOGY

IN

DEPARTMENT OF CHEMICAL ENGINEERING

**PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)**

NAMAKKAL: 637018



MANUFACTURE OF SODIUM DICHROMATE



A PROJECT REPORT

Submitted by

SELVA KUMAR.A (17201057)

SHUHAIB AKTHAR.N. P (17201058)

SURESH.S (17201061)

*In partial fulfillment of the requirement for the award of
the degree of*

BACHELOR OF TECHNOLOGY

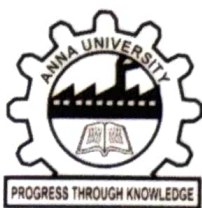
in

CHEMICAL ENGINEERING

Paavai Engineering College

(Autonomous)

MAY 2021



PRODUCTION OF POTENTIAL PRODUCTS FOR DYSMENORRHEA AND ITS MEDICINAL ACTIVITIES



A PROJECT REPORT

Submitted by

DINESH S	17201014
DURGA G	17201016
NIVASH BABU M	17201043
SANGEETHA N	17201053

in partial fulfillment for the award of

the degree of

BACHELOR OF TECHNOLOGY

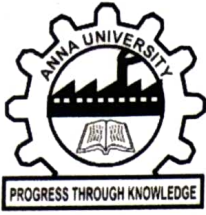
IN

CHEMICAL ENGINEERING

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

JUNE 2021



PURGATION OF WATER USING GRAPH AIR FILTER BAG



A PROJECT REPORT

Submitted by

ARULPRAKASAN J	17201006
CHANDRA SEKAR N	17201008
ELAYARAJA R	17201018

in partial fulfillment for the award of

the degree of

BACHELOR OF TECHNOLOGY

IN

CHEMICAL ENGINEERING

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

JUNE 2021



**GREEN SYNTHESIS
AND CHARACTERIZATION OF
IRON OXIDE NANOPARTICLE
FROM *Chrysopogon zizanioides*.**



A PROJECT REPORT

Submitted by

B KRISHNAMURTHY (17201034)
S MANIMARAN (17201037)
P NITHISH (17201042)
K POOVARAGAVAN DEEPAKRAJ (17201045)

in partial fulfillment for the award of the degree

of

BACHELOR OF TECHNOLOGY

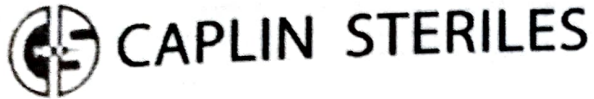
IN

CHEMICAL ENGINEERING

PAAVAI ENGINEERING COLLEGE, NAMAKKAL

(AUTONOMOUS)

MAY 2021



CAPLIN STERILES

Caplin Steriles Limited

(A Subsidiary of Caplin Point Laboratories Limited)
Survey No. 895 & 897, Guruvarajakandigai, Sirupuzhalpettai (Post),
Gummidipoondi Taluk, Thiruvallur District - 601 201, INDIA.
Phone: +91 97884 59333 / 69333
CIN No: U24304TN2018PLC126270
E-mail : info@caplinsteriles.net / Website : www.caplinsteriles.net

March 4, 2021

Internship Completion Certificate

This is to certify that **Mr. Udhaya Kumar P (19201040)** from **PAAVAI ENGINEERING COLLEGE, NAMAKKAL - 637018**. Pursuing B.Tech Chemical Engineering has undergone his Internship training to fulfill the academic requirement starting from **March 01, 2021** till **March 04, 2021**.

We wish you all the very best for your future endeavors.

For **Caplin Steriles Limited**

A handwritten signature in black ink, appearing to read 'P. Srinivas'.

Authorized Signatory

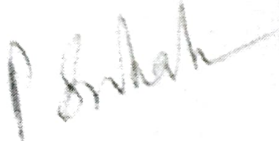
March 4, 2021

Internship Completion Certificate

This is to certify that **Mr. Prathip Kumar S (19201031)** from **PAAVAI ENGINEERING COLLEGE, NAMAKKAL – 637018**. Pursuing B.Tech Chemical Engineering has undergone his Internship training to fulfill the academic requirement starting from **March 01, 2021 till March 04, 2021**.

We wish you all the very best for your future endeavors.

For **Caplin Steriles Limited**



Authorized Signatory



CAPLIN STERILES

Caplin Steriles Limited

(A Subsidiary of Caplin Point Laboratories Limited)
Survey No. 895 & 897, Guruvarajakandigal, Sirupuzhalpettai (Post),
Gummidipoondi Taluk, Thiruvallur District - 601201, INDIA.
Phone: +91 97884 59333 / 69333
CIN No: U24304TN2018PLC126270
E-mail : info@caplinsteriles.net / Website : www.caplinsteriles.net

March 4, 2021

Internship Completion Certificate

This is to certify that **Mr. Veeramani M (19201041)** from **PAAVAI ENGINEERING COLLEGE, NAMAKKAL - 637018**. Pursuing B.Tech Chemical Engineering has undergone his Internship training to fulfill the academic requirement starting from **March 01, 2021 till March 04, 2021**.

We wish you all the very best for your future endeavors.

For **Caplin Steriles Limited**

Authorized Signatory



स्टील अथॉरिटी ऑफ इण्डिया लिमिटेड
STEEL AUTHORITY OF INDIA LIMITED
सेलम इस्पात संयंत्र
SALEM STEEL PLANT

Ref No TR-15(4) / 034249/127

05/04/2021

Certificate

Certified that **Shri SANTHOSH KUMAR P, B.TECH(CHEMICAL ENGG.), III year student of PAAVAI ENGINEERING COLLEGE (AUTONOMOUS), PACHAL, NAMAKKAL** has undergone Inplant Training in the area of **PRODUCTION** at Salem Steel Plant during the period from **30/03/2021 to 05/04/2021**.



R VENKATACHALAPATHY
GM(TA,EM&HRD)



स्टील अथॉरिटी ऑफ इण्डिया लिमिटेड
STEEL AUTHORITY OF INDIA LIMITED
सेलम इस्पात संयंत्र
SALEM STEEL PLANT

Ref No TR-15(4) / 034246/129

05/04/2021

Certificate

Certified that **Shri VENKATESH P, B.TECH(CHEMICAL ENGG.), III year student of PAAVAI ENGINEERING COLLEGE (AUTONOMOUS), PACHAL, NAMAKKAL** has undergone Inplant Training in the area of **PRODUCTION** at Salem Steel Plant during the period from **30/03/2021 to 05/04/2021**.



R VENKATACHALAPATHY
GM(TA,EM&HRD)



स्टील अथॉरिटी ऑफ इण्डिया लिमिटेड
STEEL AUTHORITY OF INDIA LIMITED
सेलम इस्पात संयंत्र
SALEM STEEL PLANT

Ref No TR-15(4) / 034244/132

05/04/2021

Certificate

Certified that **Shri PARASU S, B.TECH(CHEMICAL ENGG.), III year student of PAAVAI ENGINEERING COLLEGE (AUTONOMOUS), PACHAL, NAMAKKAL** has undergone Inplant Training in the area of **PRODUCTION** at Salem Steel Plant during the period from **30/03/2021 to 05/04/2021.**



R VENKATACHALAPATHY
GM(TA,EM&HRD)



स्टील अथॉरिटी ऑफ इण्डिया लिमिटेड
STEEL AUTHORITY OF INDIA LIMITED
सेलम इस्पात संयंत्र
SALEM STEEL PLANT

Ref No TR-15(4) / 034248/133

05/04/2021

Certificate

Certified that **Shri MUTHU KUMAR C, B.TECH(CHEMICAL ENGG.)**,
III year student of PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS), PACHAL, NAMAKKAL has undergone Inplant
Training in the area of **PRODUCTION** at Salem Steel Plant during
the period from **30/03/2021 to 05/04/2021**.



R VENKATACHALAPATHY
GM(TA,EM&HRD)



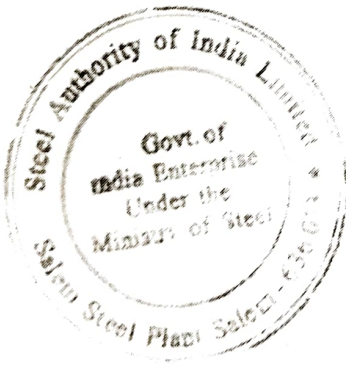
स्टील अथॉरिटी ऑफ इण्डिया लिमिटेड
STEEL AUTHORITY OF INDIA LIMITED
सेलम इस्पात संयंत्र
SALEM STEEL PLANT

Ref No TR-15(4) / 034247/131

05/04/2021

Certificate

Certified that **Shri JEEVAA T, B.TECH(CHEMICAL ENGG.)**, III year student of **PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)**, **PACHAL, NAMAKKAL** has undergone Inplant Training in the area of **PRODUCTION** at Salem Steel Plant during the period from **30/03/2021 to 05/04/2021**.



R VENKATACHALAPATHY
GM(TA,EM&HRD)



स्टील अथॉरिटी ऑफ इण्डिया लिमिटेड
STEEL AUTHORITY OF INDIA LIMITED
सेलम इस्पात संयंत्र
SALEM STEEL PLANT

Ref No TR-15(4) / 034243/130

05/04/2021

Certificate

Certified that **Shri MURALI KRISHNAN S, B.TECH(CHEMICAL ENGG.)**, III year student of **PAAVAI ENGINEERING COLLEGE (AUTONOMOUS), PACHAL, NAMAKKAL** has undergone Inplant Training in the area of **PRODUCTION** at Salem Steel Plant during the period from **30/03/2021 to 05/04/2021**.



R VENKATACHALAPATHY
GM(TA,EM&HRD)



स्टील अथॉरिटी ऑफ इण्डिया लिमिटेड
STEEL AUTHORITY OF INDIA LIMITED
सेलम इस्पात संयंत्र
SALEM STEEL PLANT

Ref No TR-15(4) / 034245/128

05/04/2021

Certificate

Certified that **Shri AKASH A, B.TECH(CHEMICAL ENGG.), III year student of PAAVAI ENGINEERING COLLEGE (AUTONOMOUS), PACHAL, NAMAKKAL** has undergone Inplant Training in the area of **PRODUCTION** at Salem Steel Plant during the period from **30/03/2021 to 05/04/2021**.



R VENKATACHALAPATHY
GM(TA,EM&HRD)

CASIO®

Certificate of Participation

*This is to Certify the assistance of Mr. Aravind. C, Ms. Snega.U,
Ms. Archana.J, Ms. Leenailamathi.S, Ms. Prathiksha. K
in social media promotion of Casio calculators via the campus
ambassador program. We acknowledge the hard work and dedication
shown by the student.*



Sachin Sharma
DGM, Marketing

Serial No.: 0026

CASIO INDIA CO., PRIVATE LTD.
NEW DELHI, INDIA

Dated : 22.01.2021



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IIT KANPUR

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CERTIFICATE of Appreciation

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Badhi Nayanan

Paavai Engineering College

for his/her remarkable job as the Campus Ambassador of
Techkriti'21, Asia's Largest Technical and Entrepreneurial
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Amitabha Bandhyopadhyaya
Festival Chairman

Suryansh Agarwal
Festival Coordinator



स्टील अथॉरिटी ऑफ इण्डिया लिमिटेड
STEEL AUTHORITY OF INDIA LIMITED
सेलम इस्पात संयंत्र
SALEM STEEL PLANT

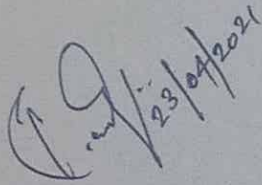
Ref No TR-15(4) / 034290/167

23/04/2021

Certificate

Certified that **Shri S KARTHICK, B.TECH(CHEMICAL), III year student of PAAVAI ENGINEERING COLLEGE, NAMAKKAL** has undergone Inplant Training in the area of **PRODUCTION** at Salem Steel Plant during the period from **17/04/2021 to 23/04/2021**.




R ULAGANATHAN
GM(HRD&CSR)



स्टील अथॉरिटी ऑफ इण्डिया लिमिटेड
STEEL AUTHORITY OF INDIA LIMITED
सेलम इस्पात संयंत्र
SALEM STEEL PLANT

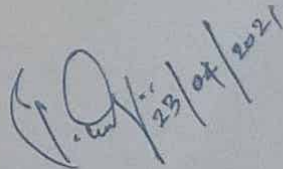
Ref No TR-15(4) / 034289/168

23/04/2021

Certificate

Certified that **Shri K KATHIRAVAN, B.TECH(CHEMICAL), III year student of PAAVAI ENGINEERING COLLEGE, NAMAKKAL** has undergone Inplant Training in the area of **PRODUCTION** at Salem Steel Plant during the period from **17/04/2021** to **23/04/2021**.




R ULAGANATHAN
GM(HRD&CSR)

TAMILNADU GENERATION AND DISTRIBUTION CORPORATION LIMITED
(Subsidiary of TNEB Ltd.,)



METTUR THERMAL POWER STATION-I

IN-PLANT TRAINING CERTIFICATE

This is to certify that Thiru / Ms. M. MANIKANDAN THIRD year

B.TECH CHEMICAL of PAVAI ENGINEERING COLLEGE

NAMAKKAL

has undergone In - Plant Training at

Mettur Thermal Power Station-1, Mettur Dam From 26.04.2021 To 30.04.2021

Area of Training : DM PLANT AND CHEMICAL DIVISION

M. Manikandan

Signature of the student



Manikandan
30/04/21

EXECUTIVE ENGINEER

Training and Environment / MTPS-I, Mettur Dam.



स्टील अथॉरिटी ऑफ इण्डिया लिमिटेड
STEEL AUTHORITY OF INDIA LIMITED
सेलम इस्पात संयंत्र
SALEM STEEL PLANT

Ref No TR-15(4) / 034511/372

07/04/2022

Certificate

Certified that **Shri MANIKANDAN M, B.TECH(CHEMICAL), IV year** student of **PAVAI ENGINEERING COLLEGE, PACHAL** has undergone Inplant Training in the area of **PRODUCTION** at Salem Steel Plant during the period from **23/11/2021** to **29/11/2021**.



Shoan
07/04/22
for R ULAGANATHAN
GM(HRD&CSR)

TAMILNADU GENERATION AND DISTRIBUTION CORPORATION LIMITED
(Subsidiary of TNEB Ltd.,)



METTUR THERMAL POWER STATION-I

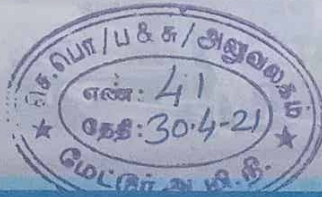
IN-PLANT TRAINING CERTIFICATE

This is to certify that Thiru / Ms. GI. NEELAKANDAN THIRD year
B.TECH - CHEMICAL of PAVAI ENGINEERING COLLEGE

NAMAKKAL has undergone In - Plant Training at
Mettur Thermal Power Station-1, Mettur Dam From 26.04.2021 To 30.04.2021

Area of Training : DM PLANT AND CHEMICAL DIVISION

G. Neelakan
Signature of the student



Geenocan
30/04/21
EXECUTIVE ENGINEER
Training and Environment / MTPS-I, Mettur Dam.



स्टील अथॉरिटी ऑफ इण्डिया लिमिटेड
STEEL AUTHORITY OF INDIA LIMITED
सेलम इस्पात संयंत्र
SALEM STEEL PLANT

Ref No TR-15(4) / 034214/97

25/10/2021

Certificate

Certified that **Shri NIRMAL R** , **B.TECH(CHEMICAL)**, **III year student of PAAVAI ENGINEERING COLLEGE PACHAL, NAMAKKAL** has undergone Inplant Training in the area of **PRODUCTION** at Salem Steel Plant during the period from **20/03/2021 to 30/03/2021**.



R ULAGANATHAN
GM(HRD&CSR)



स्टील अथॉरिटी ऑफ इण्डिया लिमिटेड
STEEL AUTHORITY OF INDIA LIMITED
सेलम इस्पात संयंत्र
SALEM STEEL PLANT

Ref No TR-15(4) / 034216/99

25/10/2021

Certificate

Certified that **Shri PRANAV PRAMOD, B.TECH(CHEMICAL), III**
year student of PAAVAI ENGINEERING COLLEGE PACHAL,
NAMAKKAL has undergone Inplant Training in the area of
PRODUCTION at Salem Steel Plant during the period from
20/03/2021 to 30/03/2021.



(Signature)
25/10/2021

R ULAGANATHAN
GM(HRD&CSR)



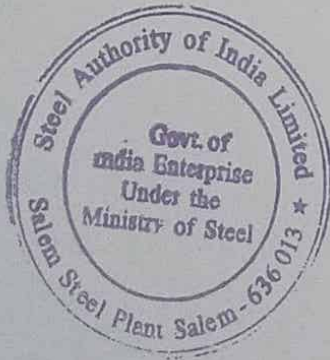
स्टील अथॉरिटी ऑफ इण्डिया लिमिटेड
STEEL AUTHORITY OF INDIA LIMITED
सेलम इस्पात संयंत्र
SALEM STEEL PLANT

Ref No TR-15(4) / 034512/368

07/04/2022

Certificate

Certified that **Shri RAGUL S, B.TECH(CHEMICAL), IV year student** of **PAAVAI ENGINEERING COLLEGE, PACHAL** has undergone Inplant Training in the area of **PRODUCTION** at Salem Steel Plant during the period from **23/11/2021** to **02/12/2021**.



Shree
07/04/22
for **R ULAGANATHAN**
GM(HRD&CSR)

TAMILNADU GENERATION AND DISTRIBUTION CORPORATION LIMITED
(Subsidiary of TNEB Ltd.,)



METTUR THERMAL POWER STATION-I

IN-PLANT TRAINING CERTIFICATE

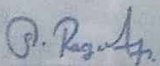
This is to certify that Thiru / Ms. S. RAGUL THIRD year

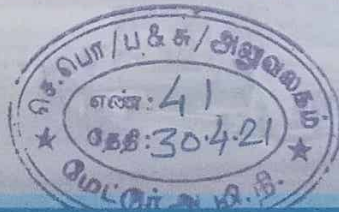
B.TECH - CHEMICAL of PAAVAI ENGINEERING COLLEGE

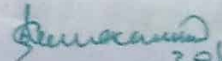
NAMAKKAL has undergone In - Plant Training at

Mettur Thermal Power Station-1, Mettur Dam From 26.04.2021 To 30.04.2021

Area of Training : DM PLANT AND CHEMICAL DIVISION


Signature of the student




EXECUTIVE ENGINEER
Training and Environment / MTPS-I, Mettur Dam.

TAMILNADU GENERATION AND DISTRIBUTION CORPORATION LIMITED
(Subsidiary of TNEB Ltd.,)



METTUR THERMAL POWER STATION-I

IN-PLANT TRAINING CERTIFICATE

This is to certify that Thiru / Ms. P. SAKTHIVEL THIRD year

B.TECH - CHEMICAL of PAAVAI ENGINEERING COLLEGE

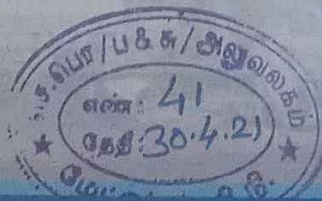
NAMAKKAL has undergone In - Plant Training at

Mettur Thermal Power Station-1, Mettur Dam From 26.04.2021 To 30.04.2021

Area of Training : DM PLANT AND CHEMICAL DIVISION

P.S.M

Signature of the student



Subramanian
20/04/21

EXECUTIVE ENGINEER

Training and Environment / MTPS-I, Mettur Dam.



स्टील अथॉरिटी ऑफ इण्डिया लिमिटेड
STEEL AUTHORITY OF INDIA LIMITED
सेलम इस्पात संयंत्र
SALEM STEEL PLANT

Ref No TR-15(4) / 034249/127

05/04/2021

Certificate

Certified that **Shri SANTHOSH KUMAR P, B.TECH(CHEMICAL ENGG.), III year student of PAAVAI ENGINEERING COLLEGE (AUTONOMOUS), PACHAL, NAMAKKAL** has undergone Inplant Training in the area of **PRODUCTION** at Salem Steel Plant during the period from **30/03/2021 to 05/04/2021**.



R VENKATACHALAPATHY
GM(TA,EM&HRD)



स्टील अथॉरिटी ऑफ इण्डिया लिमिटेड
STEEL AUTHORITY OF INDIA LIMITED
सेलम इस्पात संयंत्र
SALEM STEEL PLANT

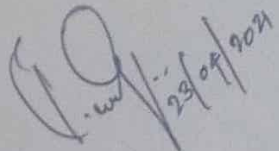
Ref No TR-15(4) / 034287/171

23/04/2021

Certificate

Certified that **Ms S SINDHU, B.TECH(CHEMICAL), III year student** of **PAAVAI ENGINEERING COLLEGE, NAMAKKAL** has undergone Inplant Training in the area of **PRODUCTION** at Salem Steel Plant during the period from **17/04/2021** to **23/04/2021**.




R ULAGANATHAN
GM(HRD&CSR)



स्टील अथॉरिटी ऑफ इण्डिया लिमिटेड
STEEL AUTHORITY OF INDIA LIMITED
सेलम इस्पात संयंत्र
SALEM STEEL PLANT

Ref No TR-15(4) / 034215/98

25/10/2021

Certificate

Certified that **Shri AKSHAY PETER, B.TECH(CHEMICAL), III year student of PAAVAI ENGINEERING COLLEGE PACHAL, NAMAKKAL** has undergone Inplant Training in the area of **PRODUCTION** at Salem Steel Plant during the period from **20/03/2021 to 30/03/2021.**



R. Ulaganathan
25/10/2021

R ULAGANATHAN
GM(HRD&CSR)



INDIAN INSTITUTE OF TECHNOLOGY INDORE

(An autonomous institute under the Ministry of Education, Government of India)

e-CERTIFICATE

This is to certify that Mr. Akash A has successfully completed the "Online Internship for the Undergraduate Students" with IIT Indore Faculty Mentor Dr. Chelvam Venkatesh, Department of Chemistry, from July 01, 2021 to Aug 31, 2021. He has worked on the area entitled "Extraction of Phenolic Compounds from Natural Sources using Green Deep Eutectic Solvents".

Dr. Chelvam Venkatesh
IIT Indore Faculty Mentor

Professor Anand Parey
Dean, Resources Generation



TRAVANCORE TITANIUM PRODUCTS LIMITED

(A Government of Kerala Undertaking)
THIRUVANANTHAPURAM

28th April 2021

CERTIFICATE

This is to certify that Ms. Angelin Joseph , Chemical Engineering Student of Paavai Engineering College , Namakkal, Tamil Nadu, has carried out her Internship in Travancore Titanium Products Limited for a period from 22nd April 2021 to 28th April 2021.

*Beena
Manager (P & A)*



REGD. OFFICE : KOCHUVELI, THIRUVANANTHAPURAM - 695 021, KERALA, INDIA
Phone : 0471-2502748, 2508621, 2500221, Fax : 0471 - 2502724, 2501533, 2501127
CIN : U13209KL1946SGC001214, GST No: 32AAACT8543J1Z9
E-mail : mkting@travancoretitanium.com md@ttpltd.in purchase@ttpltd.in
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e-CERTIFICATE

This is to certify that Mr. Murali Krishna S has successfully completed the "Online Internship for the Undergraduate Students" with IIT Indore Faculty Mentor Dr. Chelvam Venkatesh, Department of Chemistry, from July 01, 2021 to Aug 31, 2021. He has worked on the area entitled "Subcritical Water Extraction of Bioactive Compounds from Plants and Algae: Applications in Pharmaceutical and Food Ingredients."

Dr. Chelvam Venkatesh
IIT Indore Faculty Mentor

Professor Anand Parey
Dean, Resources Generation



Titanium

TRAVANCORE TITANIUM PRODUCTS LIMITED

(A Government of Kerala Undertaking)

THIRUVANANTHAPURAM

28th April 2021

CERTIFICATE

This is to certify that Mr. Nirmal .R , Chemical Engineering Student of Paavai Engineering College , Namakkal, Tamil Nadu, has carried out his Internship in Travancore Titanium Products Limited for a period from 22nd April 2021 to 28th April 2021.

Beemp J A
Manager (P & A)



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THIRUVANANTHAPURAM

28th April 2021

CERTIFICATE

This is to certify that Mr. Pranav Pramod , Chemical Engineering Student of Paavai Engineering College , Namakkal, Tamil Nadu, has carried out his Internship in Travancore Titanium Products Limited for a period from 22nd April 2021 to 28th April 2021.

Beep
Manager (P & A)



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Phone : 0471-2502748, 2508621, 2500221, Fax : 0471 - 2502724, 2501533, 2501127
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e-CERTIFICATE

This is to certify that Mr. Santhosh Kumar P has successfully completed the "Online Internship for the Undergraduate Students" with IIT Indore Faculty Mentor Dr. Chelvam Venkatesh, Department of Chemistry, from July 01, 2021 to Aug 31, 2021. He has worked on the area entitled "Co-optimization of Pectin and Polyphenols Extraction from Black Mulberry Pomace using an Eco-friendly Technique: Simultaneous Recovery and Characterization of Products".

Dr. Chelvam Venkatesh
IIT Indore Faculty Mentor

Professor Anand Parey
Dean, Resources Generation

பெரம்பலூர் சர்க்கரை ஆலை (வரை)

எறையூர், பெரம்பலூர் மாவட்டம். Pin : 621 133.

PERAMBALUR SUGAR MILLS LIMITED,

(A GOVERNMENT OF TAMILNADU UNDERTAKING)

36- Eraiyr (P.O), - 621 133. Perambalur District, Tamilnadu.

AN ISO 9001 : 2000 Certified Industry.

N.S. MOHAMED ASLAM, B.A.,

DRO / CHIEF EXECUTIVE

R.C.No: 948 / 2015-16 / LWO

Date: 29.02.2020

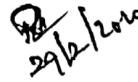
CERTIFICATE

This is certified that K.Vallarasu B.Tech., (Chemical Engineering) 2nd year student of Paavai Engineering College has completed his In-plant Training in Perambalur Sugar Mills Ltd, Eraiyr for the period of from 19.02.2020 to 29.02.2020


For CHIEF EXECUTIVE

To

K.Vallarasu,
II Year B.E Student,
Paavai Engineering College,
Namakkal.


29/2/2020

GRAMS : "CHEENI" Eraiyr

STD : 04328

CST No. 210124/ARI/TRY TAMILNADU

Eraiyr : 252252

FAX : 252222, E.Mail : psmltd@bsnl.in, psmsugar1@gmail.com

TNGST No. 3600146/ARI/TRI

TIN No : 33803600146 REGD. OFFICE : 690, ANNA SALAI CHENNAI - 600 035. PHONE : 24330222

GST : 33AAACP18421ZN



TRAVANCORE TITANIUM PRODUCTS LIMITED

(A Government of Kerala Undertaking)

THIRUVANANTHAPURAM

29th April 2022

CERTIFICATE

This is to certify that Ms. Ardhra Jayaraj, Chemical Engineering student, Paavai Engineering College, Pachal, Namakkal, Tamil Nadu, has carried out her Project work "EFFICIENCY DROP DUE TO PRESSURE VARIATION IN CONVERTER BED OF SULPHURIC ACID PLANT" in Travancore Titanium Products Limited From 30-03-2022 to 29-04-2022.

*Beerf
Manager (P.L.A)*



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CIN : U13209KL1946SGC001214, GST No: 32AAACT8543J1Z9

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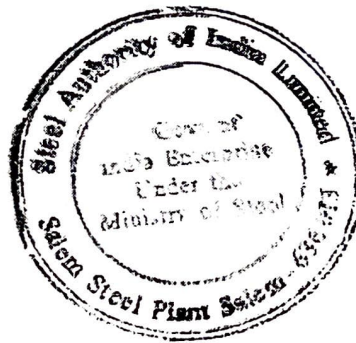
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STEEL AUTHORITY OF INDIA LIMITED
सेलम इस्पात संयंत्र
SALEM STEEL PLANT

Ref No TR-15(4) / 034285/169

23/04/2021

Certificate

Certified that **Ms KAVYA R, B.TECH(CHEMICAL), III year student of PAAVAI ENGINEERING COLLEGE, NAMAKKAL** has undergone Inplant Training in the area of **PRODUCTION** at Salem Steel Plant during the period from **17/04/2021** to **23/04/2021**.



R. Ulaganathan
23/4/2021

R ULAGANATHAN
GM(HRD&CSR)

सेलम - 636 013 तमिलनाडु
Salem-636 013 Tamil Nadu

दूरभाष : 0427-238 3021 फॅक्स : 0427-238 2800
Phone : 0427-238 3021 Fax : 0427-238 2800

ई-मेल : genladm@salssp.in
E-mail : genladm@salssp.in

वेबसाईट : www.sail.co.in
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