

chem



PALS-VIRTUAL LABS DEVELOPMENT INITIATIVE

EXPLORE - EXPERIENTIAL LEARNING ONLINE RE ENGINEERING

CERTIFICATE

This is to certify that **AMAL C**, IV-Year, Department of Chemical Engineering from **NANDHA ENGINEERING COLLEGE, ERODE** worked on an Internship in the development of the Virtual Lab Experiment

| | |
|------------|---|
| Department | CHEMICAL ENGINEERING |
| Laboratory | PROCESS MODELLING & SIMULATION LAB |
| Experiment | <ol style="list-style-type: none"> 1. DESIGN OF A SHELL & TUBE HEAT EXCHANGER 2. SIMULATION OF FLASH SEPARATOR 3. SIMULATION OF ABSORPTION COLUMN 4. DESGIN OF AN EVAPORATOR 5. DESIGN OF DOUBLE PIPE HEAT EXCHANGER |

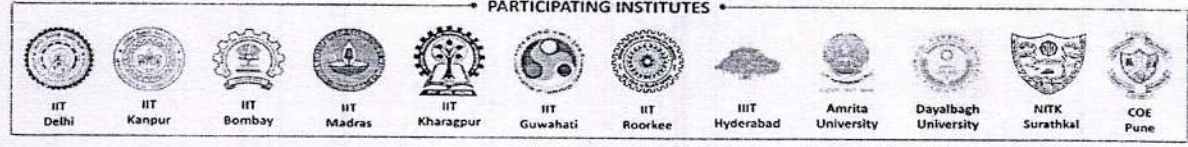
Experiments are in compliance with the relevant processes (R0 thru R4) laid down by the Virtual Lab National Coordination for the development of Virtual LABS for the Ministry of Education. Experiments were developed virtually during the period **January 2021 through June 2021**, under the technical supervision and guidance of Centre for System Design, NITK Surathkal and overall supervision of PALS.

Dr. K. V. Gangadharan
Participating Institute Coordinator
Virtual Labs, NITK Surathkal

R. Krishnamurti Rao
PALS VLAB Champion

Dated 24th July 2021

PARTICIPATING INSTITUTES



PALS an initiative of volunteers from Alumni fraternity of IIT's, focused on augmenting engineering education. Details in www.palspcm.com

PRINCIPAL
Nandha Engineering College,
(Autonomous)
Erode - 52.



PALS-VIRTUAL LABS DEVELOPMENT INITIATIVE

EXPLORE - EXPERIENTIAL LEARNING ONLINE RE ENGINEERING

CERTIFICATE

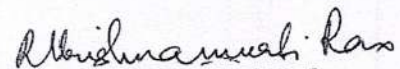
This is to certify that **JAYASURYA SHAJU**, IV-Year, Department of Chemical Engineering from **NANDHA ENGINEERING COLLEGE, ERODE** worked on an Internship in the development of the Virtual Lab Experiment

| | |
|------------|---|
| Department | CHEMICAL ENGINEERING |
| Laboratory | PROCESS MODELLING & SIMULATION LAB |
| Experiment | 1. DESIGN OF A SHELL & TUBE HEAT EXCHANGER 2. SIMULATION OF FLASH SEPARATOR 3. SIMULATION OF ABSORPTION COLUMN 4. DESIGN OF AN EVAPORATOR 5. DESIGN OF DOUBLE PIPE HEAT EXCHANGER |

Experiments are in compliance with the relevant processes (R0 thru R4) laid down by the Virtual Lab National Coordination for the development of Virtual LABS for the Ministry of Education. Experiments were developed virtually during the period **January 2021 through June 2021**, under the technical supervision and guidance of Centre for System Design, NITK Surathkal and overall supervision of PALS.



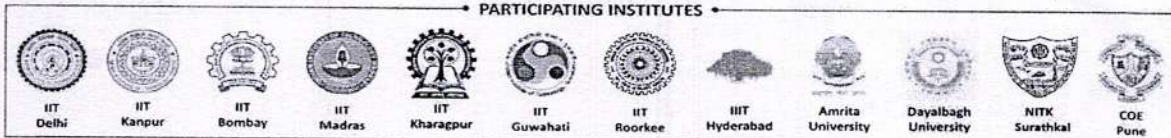
Dr. K. V. Gangadharan
Participating Institute Coordinator
Virtual Labs, NITK Surathkal



R. Krishnamurti Rao
PALS VLAB Champion

Dated 24th July 2021

← PARTICIPATING INSTITUTES →



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Details in www.palspgm.com



PRINCIPAL
Nandha Engineering College,
(Autonomous)
Erode - 52.





N.K.G. LEATHERS

H.O. : # 255, Maravapalayam, R.N.Pudur (PO), Erode - 638 005.
B.O. : # 3/2, Nabikhan Subedhar Street, Periamet, Chennai - 600 003.
nkgleathers@gmail.com © 0424-2533429



March 02, 2022

CERTIFICATE

This is to certify that Mr. Madhavan M., (Reg. No. 19CH018), III Year - B. Tech. Chemical Engineering, Nandha Engineering College, Erode, has undergone INPLANT TRAINING in our unit in Raw Stage to Semi-Finished Leather, Effluent Treatment Plant, Biological Treatment System, Solar Evaporation System, Sludge Filtration - Dewatering & Drying System, Tertiary Treatment System, Reverse Osmosis System.

The training period was from 15.02.2022 to 02.03.2022. During the course of training, he was punctual and keenly observed each and every aspect. His interest in gaining knowledge was evident and we wish him all success for his future.

For N.K.G. LEATHERS,

(E. LITHIYASEKAR)

PROPRIETOR.



N.K.G. LEATHERS

H.O. : # 255, Maravapalayam, R.N.Pudur (PO), Erode - 638 005.
B.O. : # 3/2, Nabikhan Subedhar Street, Periamet, Chennai - 600 003.
nkgleathers@gmail.com © 0424-2533429



March 02, 2022

CERTIFICATE

This is to certify that Mr. Krishna Prasat M., (Reg. No. 19CH016), III Year - B. Tech. Chemical Engineering, Nandha Engineering College, Erode, has undergone INPLANT TRAINING in our unit in Raw Stage to Semi-Finished Leather, Effluent Treatment Plant, Biological Treatment System, Solar Evaporation System, Sludge Filtration - Dewatering & Drying System, Tertiary Treatment System, Reverse Osmosis System.

The training period was from 15.02.2022 to 02.03.2022. During the course of training, he was punctual and keenly observed each and every aspect. His interest in gaining knowledge was evident and we wish him all success for his future.

For N.K.G. LEATHERS,

(E. LITHIYASEKAR)

PROPRIETOR.



N.K.G. LEATHERS

H.O. : # 255, Maravapalayam, R.N.Pudur (PO), Erode - 638 005.

B.O. : # 3/2, Nabikhan Subedhar Street, Periamet, Chennai - 600 003.

nkgleathers@gmail.com © 0424-2533429



March 02, 2022

CERTIFICATE

This is to certify that Ms. Kanimozhi C., (Reg. No. 19CH014), III Year - B. Tech. Chemical Engineering, Nandha Engineering College, Erode, has undergone INPLANT TRAINING in our unit in Raw Stage to Semi-Finished Leather, Effluent Treatment Plant, Biological Treatment System, Solar Evaporation System, Sludge Filtration - Dewatering & Drying System, Tertiary Treatment System, Reverse Osmosis System.

The training period was from 15.02.2022 to 02.03.2022. During the course of training, she was punctual and keenly observed each and every aspect. Her interest in gaining knowledge was evident and we wish her all success for her future.

For N.K.G. LEATHERS,

(E. LITHIYASEKAR)

PROPRIETOR.



N.K.G. LEATHERS

H.O. : # 255, Maravapalayam, R.N.Pudur (PO), Erode - 638 005.
B.O. : # 3/2, Nabikhan Subedhar Street, Periamet, Chennai - 600 003.
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March 02, 2022

CERTIFICATE

This is to certify that Mr. Hariharan R., (Reg. No. 19CH012), III Year - B. Tech. Chemical Engineering, Nandha Engineering College, Erode, has undergone INPLANT TRAINING in our unit in Raw Stage to Semi-Finished Leather, Effluent Treatment Plant, Biological Treatment System, Solar Evaporation System, Sludge Filtration - Dewatering & Drying System, Tertiary Treatment System, Reverse Osmosis System.

The training period was from 15.02.2022 to 02.03.2022. During the course of training, he was punctual and keenly observed each and every aspect. His interest in gaining knowledge was evident and we wish him all success for his future.

For N.K.G. LEATHERS,

(E. LITHIYASEKAR)
PROPRIETOR.



N.K.G. LEATHERS

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B.O. : # 3/2, Nabikhan Subedhar Street, Periamet, Chennai - 600 003.

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March 02, 2022

CERTIFICATE

This is to certify that Mr. Rajesh Kumar S., (Reg. No. 19CH025), III Year - B. Tech. Chemical Engineering, Nandha Engineering College, Erode, has undergone INPLANT TRAINING in our unit in Raw Stage to Semi-Finished Leather, Effluent Treatment Plant, Biological Treatment System, Solar Evaporation System, Sludge Filtration - Dewatering & Drying System, Tertiary Treatment System, Reverse Osmosis System.

The training period was from 15.02.2022 to 02.03.2022. During the course of training, he was punctual and keenly observed each and every aspect. His interest in gaining knowledge was evident and we wish him all success for his future.

For N.K.G. LEATHERS,

(E. LITHIYASEKAR)

PROPRIETOR.



N.K.G. LEATHERS

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B.O. : # 3/2, Nabikhan Subedhar Street, Periamet, Chennai - 600 003.

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March 02, 2022

CERTIFICATE

This is to certify that Mr. Nishwin Sajeev, (Reg. No. 19CH022), III Year - B. Tech. Chemical Engineering, Nandha Engineering College, Erode, has undergone INPLANT TRAINING in our unit in Raw Stage to Semi-Finished Leather, Effluent Treatment Plant, Biological Treatment System, Solar Evaporation System, Sludge Filtration - Dewatering & Drying System, Tertiary Treatment System, Reverse Osmosis System.

The training period was from 15.02.2022 to 02.03.2022. During the course of training, he was punctual and keenly observed each and every aspect. His interest in gaining knowledge was evident and we wish him all success for his future.

For N.K.G. LEATHERS,

(E. LITHIYASEKAR)

PROPRIETOR.



N.K.G. LEATHERS

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B.O. : # 3/2, Nabikhan Subedhar Street, Periamet, Chennai - 600 003.
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March 02, 2022

CERTIFICATE

This is to certify that Mr. Subash P., (Reg. No. 19CH031), III Year - B. Tech. Chemical Engineering, Nandha Engineering College, Erode, has undergone INPLANT TRAINING in our unit in Raw Stage to Semi-Finished Leather, Effluent Treatment Plant, Biological Treatment System, Solar Evaporation System, Sludge Filtration - Dewatering & Drying System, Tertiary Treatment System, Reverse Osmosis System.

The training period was from 15.02.2022 to 02.03.2022. During the course of training, he was punctual and keenly observed each and every aspect. His interest in gaining knowledge was evident and we wish him all success for his future.

For N.K.G. LEATHERS,

(E. LITHIYASEKAR)
PROPRIETOR.

JSW-SLM/HR/Internship Training/40/2022
19th March 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr C Raman, B.Tech (Chemical Engineering) Final Year Student of Nandha Engineering College, Erode has successfully completed the internship training in our organization from 14.03.2022 to 19.03.2022.

During the internship training period his conduct was good and we wish him all the best for his future endeavors.

For JSW STEEL LIMITED


**C RAM
SENIOR MANAGER (HR)**

Salem Works

P.O. Pottaneri, Mecheri,
Mettur - Tk, Salem - Dt. Pin : 636 453
Tamilnadu, India.
CIN No L27102MH1994PLC152925
T +91 4298 272000
www.jsw.in

Registered Office

JSW Centre
Bandra Kurla Complex
Bandra East, Mumbai 400 051
T +91 22 4286 1000
F +91 22 4286 3000

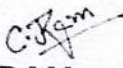
JSW-SLM/HR/Internship Training/40/2022
19th March 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr K Surya, B.Tech (Chemical Engineering) Final Year Student of Nandha Engineering College, Erode has successfully completed the internship training in our organization from 14.03.2022 to 19.03.2022.

During the internship training period his conduct was good and we wish him all the best for his future endeavors.

For JSW STEEL LIMITED


C RAM
SENIOR MANAGER (HR)

Salem Works
P.O. Pottaneri, Mecheri,
Mettur - Tk, Salem - Dt. Pin : 636 453
Tamilnadu, India.
CIN No L27102MH1994PLC152925
T +91 4298 272000
www.jsw.in

Registered Office
JSW Centre
Bandra Kurla Complex
Bandra East, Mumbai 400 051
T +91 22 4286 1000
F +91 22 4286 3000



JSW-SLM/HR/Internship Training/40/2022
19th March 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr S Karanraj, B.Tech (Chemical Engineering) Final Year Student of Nandha Engineering College, Erode has successfully completed the internship training in our organization from 14.03.2022 to 19.03.2022.

During the internship training period his conduct was good and we wish him all the best for his future endeavors.

For JSW STEEL LIMITED


C RAM
SENIOR MANAGER (HR)

Salem Works
P.O. Pottaneri, Mecheri,
Mettur - Tk, Salem - Dt. Pin : 636 453
Tamilnadu, India.
CIN No L27102MH1994PLC152925
T +91 4298 272000
www.jsw.in

Registered Office
JSW Centre
Bandra Kurla Complex
Bandra East, Mumbai 400 051
T +91 22 4286 1000
F +91 22 4286 3000

Certificate ID: IICHE/ID-2409

Date of Issue: 15th July, 2021



Online Internship Program (OIP-2021)

12TH MAY- 15TH JULY, 2021

Indian Institute of Chemical Engineers

Dr. H. L. Roy Building, Jadavpur University Campus, Kolkata- 700 032

CERTIFICATE OF COMPLETION

This certificate is hereby awarded to

JAYAPRAKASH C

NANDHA ENGINEERING COLLEGE

from

who has successfully completed the INTERNSHIP PROGRAMME on the subject
ZERO DISCHARGE LIQUID MANAGEMENT (ZDLM) following all necessary criteria of the Institute
with " A+ " Grade.

N. Ghosh
PRINCIPAL
Nandha Engineering College,
(Autonomous)
Erode - 52.

Grading System :

- A+: 90-100%
- A: 75-89%
- B+: 65-74%
- B: 55-64%



M.K. Jha

Prof M.K. Jha
President, IICChE

Gaurav

Dr. Gaurav Rattan
Honorary Registrar, IICChE

Avijit Ghosh

Dr. Avijit Ghosh
Honorary Secretary, IICChE
Convener, OSIP-2020



SSK ENGINEERING

No - 13, Srinivasanagar, Nallam Palayam, Coimbatore - 641006
Tamil Nadu, India. Ph - +971 52 6769041 & +91 97910 47858
E- Mail: ramamoorthy@sskeng.com / Web: www.sskeng.com
GST No: 33CE0PS2985E1Z2 / IEC No: 3216905314


Date: 05th Aug 2021

CERTIFICATE

This is to certify that **Ms. Solaimani T** (Reg No :18CH025) 4thYear, **B.Tech – Chemical Engineering** student of Nandha Engineering College at Erode has undergone On job training in our M/s. SSK Engineering, Coimbatore.

Internship Training details are as furnished below:

- | | | |
|-------------------------------------|---|--|
| 1) Type of Training Imparted | : | ON JOB TRAINING |
| 2) Period of Institutional Training | : | 16 th Apr 2021 to 30 th Jul 2021 |
| 3) Allotment of Department | : | PROCESS ENGINEERING |
| 4) Conduct & Character | : | GOOD |
| 5) Performance during Training | : | GOOD |
| 6) Attendance during Training | : | REGULAR |


PRINCIPAL
Nandha Engineering College,
(Autonomous)
Erode - 52.



Sr. Manager - Training & Development





Online Internship Program (OIP-2021)

12TH MAY- 15TH JULY, 2021

Indian Institute of Chemical Engineers

Dr. H. L. Roy Building, Jadavpur University Campus, Kolkata- 700 032

CERTIFICATE OF COMPLETION

This certificate is hereby awarded to

AKASH CM

NANDHA ENGINEERING COLLEGE

from

who has successfully completed the INTERNSHIP PROGRAMME on the subject
ZERO DISCHARGE LIQUID MANAGEMENT (ZDLM) following all necessary criteria of the Institute
with " A+ " Grade.

Grading System :

- A+: 90-100%
- A: 75-89%
- B+: 65-74%
- B: 55-64%



Nandha
PRINCIPAL
Nandha Engineering College,
(Autonomous)
Erode - 52.



M.K. Jha

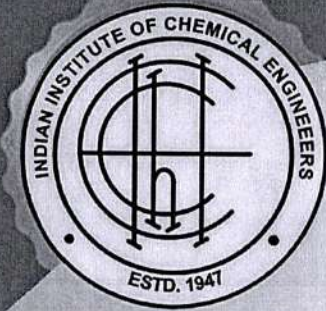
Prof M.K. Jha
President, IICHE

Gaurav

Dr. Gaurav Rattan
Honorary Registrar, IICHE

Avijit Ghosh

Dr. Avijit Ghosh
Honorary Secretary, IICHE
Convener, OSIP-2020



Online Internship Program (OIP-2021)

12TH MAY- 15TH JULY, 2021

Indian Institute of Chemical Engineers

Dr. H. L. Roy Building, Jadavpur University Campus, Kolkata- 700 032

CERTIFICATE OF COMPLETION

This certificate is hereby awarded to

JAYASURYA SHAJU

NANDHA ENGINEERING COLLEGE ERODE

from

*who has successfully completed the INTERNSHIP PROGRAMME on the subject
ZERO DISCHARGE LIQUID MANAGEMENT (ZDLM) following all necessary criteria of the Institute
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A: 75-89%

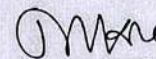
B+: 65-74%

B: 55-64%

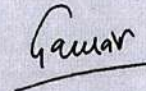



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Nandha Engineering College,
(Autonomous)
Erode - 52.





Prof. M.K. Jha
President, IICHE



Dr. Gaurav Rattan
Honorary Registrar, IICHE



Dr. Avijit Ghosh
Honorary Secretary, IICHE
Convener, OSIP-2020



Online Internship Program (OIP-2021)

12TH MAY- 15TH JULY, 2021

Indian Institute of Chemical Engineers

Dr. H. L. Roy Building, Jadavpur University Campus, Kolkata- 700 032

CERTIFICATE OF COMPLETION

This certificate is hereby awarded to

YADHUKRISHNAN KB

NANDHA ENGINEERING COLLEGE


from

*who has successfully completed the INTERNSHIP PROGRAMME on the subject
ZERO DISCHARGE LIQUID MANAGEMENT (ZDLM) following all necessary criteria of the Institute
with " A+ " Grade.*

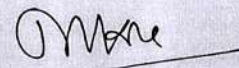
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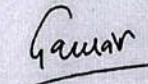



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Erode - 52.

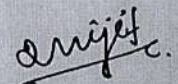




Prof M.K. Jha
President, IICHE



Dr. Gaurav Rattan
Honorary Registrar, IICHE



Dr. Avijit Ghosh
Honorary Secretary, IICHE
Convener, OSIP-2020



08th September 2021

CERTIFICATE

This is to certify that Mr. Aravindh K (Reg No: 18CH006), 4th Year Chemical department Student from Nandha Engineering College, Erode underwent Internship training in our production department from 13.08.2021 to 09.09.2021.

During this period his conduct was GOOD.

For TAMILNADU PETROPRODUCTS LIMITED

K.VASANTHAKUMAR
DEPUTY GENERAL MANAGER (HR)



PRINCIPAL
Nandha Engineering College,
(Autonomous)
Erode - 52.



25 Years
MOVING AHEAD

Regd. Office & Factory :
Post Box No. 9, Manali Express Highway, Manali, Chennai - 600 068, India.
Tel. : (0091) - 44 - 25945500 to 09 Telefax : 044-25945588
Website : www.tnppetro.com CIN : L23200TN1984PLC010931
TPL GSTIN : 33AACT1295M1Z6





08th September 2021

CERTIFICATE

This is to certify that Mr. Prasanth M (Reg No: 18CH020), 4th Year Chemical department Student from Nandha Engineering College, Erode underwent Internship training in our production department from 13.08.2021 to 09.09.2021.

During this period his conduct was GOOD.

For TAMILNADU PETROPRODUCTS LIMITED

K.VASANTHAKUMAR
DEPUTY GENERAL MANAGER (HR)



PRINCIPAL
Nandha Engineering College,
(Autonomous)
Erode - 52.



Regd. Office & Factory

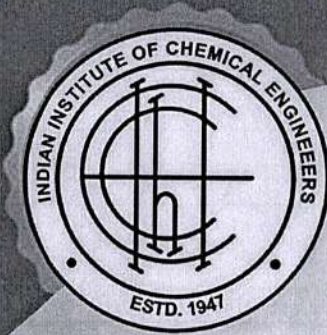
Post Box No. 9, Marali Express Highway, Marali, Chennai - 600 068, India.

Tel. : (0091) - 44 - 25945500 to 09 Telefax: 044-25945588

Website : www.tnppetro.com CIN : L23200TN1984PLC010931

TPL GSTIN : 33AAACT1295M126





Online Internship Program (OIP-2021)

12TH MAY- 15TH JULY, 2021

Indian Institute of Chemical Engineers

Dr. H. L. Roy Building, Jadavpur University Campus, Kolkata- 700 032

CERTIFICATE OF COMPLETION

This certificate is hereby awarded to

ASWATH T

NANDHA ENGINEERING COLLEGE

from

*who has successfully completed the INTERNSHIP PROGRAMME on the subject
ZERO DISCHARGE LIQUID MANAGEMENT (ZDLM) following all necessary criteria of the Institute
with " A+ " Grade.*

Grading System :

- A+: 90-100%
- A: 75-89%
- B+: 65-74%
- B: 55-64%



Prof M.K. Jha
President, IICChE

Dr. Gaurav Rattan
Honorary Registrar, IICChE

Dr. Avijit Ghosh
Honorary Secretary, IICChE
Convener, OSIP-2020

PRINCIPAL
Nandha Engineering College,
(Autonomous)
Erode - 52



Online Internship Program (OIP-2021)

12TH MAY- 15TH JULY, 2021

Indian Institute of Chemical Engineers

Dr. H. L. Roy Building, Jadavpur University Campus, Kolkata- 700 032

CERTIFICATE OF COMPLETION

This certificate is hereby awarded to

K. BALAMURUGAN

NANDHA ENGINEERING COLLEGE

from

*who has successfully completed the INTERNSHIP PROGRAMME on the subject
ZERO DISCHARGE LIQUID MANAGEMENT (ZDLM) following all necessary criteria of the Institute
with " A+ " Grade.*

Grading System :

A+: 90-100%
A: 75-89%
B+: 65-74%
B: 55-64%



Prof M.K. Jha
President, IICHE

Dr. Gaurav Rattan
Honorary Registrar, IICHE

Dr. Avijit Ghosh
Honorary Secretary, IICHE
Convener, OSIP-2020

PRINCIPAL
Nandha Engineering College,
(Autonomous)
Erode - 52.



Online Internship Program (OIP-2021)

15TH JULY - 30TH AUGUST, 2021

Indian Institute of Chemical Engineers

Dr. H. L. Roy Building, Jadavpur University Campus, Kolkata- 700 032

CERTIFICATE OF COMPLETION

This certificate is hereby awarded to

SAKTHIVEL.PS

NANDHA ENGINEERING COLLEGE

from

*who has successfully completed the INTERNSHIP PROGRAMME on the subject
PETROLEUM REFINERY ENGINEERING (PRE) following all necessary criteria of the Institute
with " A " Grade.*

Grading System :

- A+: 90-100%
- A: 75-89%
- B+: 65-74%
- B: 55-64%



Prof M.K. Jha
President, IICHE

Dr. Gaurav Rattan
Honorary Registrar, IICHE

Dr. Avijit Ghosh
Honorary Secretary, IICHE
Convener, OIP 2021

PRINCIPAL
Nandha Engineering College,
(Autonomous)
Erode - 52.



Terra-Green
SOLUTION FOR ENVIRONMENT, ENERGY, FIRE & SAFETY

OSTP-2021

(Online Start-up Training Program: An Internship)



Projects & Environment

Organized by: Terra-Green Technologies Pvt. Ltd., in
association with Projects & Environment

During: 25 July- 10th September, 2021



CERTIFICATE

— of Completion —

KANIMOZHI C

from



UDYAM REGISTRATION

MSME

MICRO, SMALL & MEDIUM ENTERPRISES



INDIA 500
STARTUP
AWARDS

NANDHA ENGINEERING COLLEGE

Successfully completed Online Industrial Internship Program on the subject of

INDUSTRIAL AND URBAN WASTE WATER MANAGEMENT (STP AND ETP)

with **A+** grade.

A=90% and above

B=80-89

C=70-79%

D=60-69%



Certificate ID: TG/2021/1021

Issuing Date: Sep 10, 2021



Director

Terra-Green Technologies Pvt. Ltd

PRINCIPAL
Nandha Engineering College,
(Autonomous)
Erode - 52.