St. PETER'S COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi and affiliated to Anna University, Chennai)

College Road, Avadi, Chennai - 600 054.

Phone 044-26558089, 26558091 Fax 044-26558091 e-mail spcet2008@gmail.com

22.09.2022

HOD-Biotechnology,
St. Peter's College of Engineering and Technology,
Avadi.

To

Dr.N.Unnamalai
Principal Scientist
Shri A.M.M. MurugappaChettiar Research Centre (**MCRC**)
Chennai

Dear Madam,

Sub: Industrial visit by students – Permission requested – reg.

St. Peter's Engineering College established in the year 1993 has been declared as a Deemed-to-be-University by the Ministry of Human Resource Development – Government of India – New Delhi, under Section 3 of the UGC, Act 1956 from 2008-09 onwards. St. Peter's College of Engineering and Technology comprising St. Peter's Engineering College sponsored by St.Peter's Institute of Higher Education and Research – Trust will continuously strive to focus on imparting quality technical education introducing innovative programmes leading to Research and Development for sustainable growth. Seven branches of Engineering Courses at the Graduation level along with Management and Computer Science disciplines are offered.

Our students would like to have the privilege to visit your**Shri A.M.M. MurugappaChettiar Research Centre (MCRC)**. We shall be thankful if you could kindly accord permission for our students of **II, III and IV year B.Tech. - Biotechnology**. Total **(63 Students)**will be accompanied by **3 faculty members** to visit MCRC, Chennai on the day of your convenience during 2nd or 3rd week of October 2022. Your reply in this matter is earnestly solicited and the same may be conveyed to us.

Thanking you,

P. Sini

Yours sincerely,
HOD-Biotech

St.Peter's College of Engineering and Technology Web Mail

hodbiotech spcet <hodbiotech@spcet.ac.in>

Fwd: REQUEST FOR INDUSTRIAL VISIT

PRISCILA PUSHPA RANI V Biotech <priscila@spcet.ac.in> Fri, Sep 30, 2022 at 12:06 PM
To: hodbiotech spcet <hodbiotech@spcet.ac.in>

---------- Forwarded message ---------
From: **Dr. N. Unnamalai-Principal Scientist-Taramani-MCRC** <unnamalain@mcrc.murugappa.org>
Date: Fri, Sep 30, 2022, 12:04 PM
Subject: Re: REQUEST FOR INDUSTRIAL VISIT
To: PRISCILA PUSHPA RANI V Biotech <priscila@spcet.ac.in>

Dear Madam

Thank you for the mail. There are no fees for the visit.

We will be happy to explain our activities regarding our R & D and extension-related activities to your students.

Our Taramani Centre is near ASCENDAS IT Park. When you get down at the Taramani bus stop on CSIR road, just cross the road and there will be a road in front of you. Come down the road and after 100-150 meters you will find a small lane on your right-hand side, Kabali street. When coming into that small lane, you can see our Centre.

Please call me, if you can't locate our Centre. I will guide you.

We will happy to meet you and your students on 7th Oct. 22 by 10 30 am.

regards
Unnamalai N

From: PRISCILA PUSHPA RANI V Biotech <priscila@spcet.ac.in>
Sent: Friday, September 30, 2022 11:57 AM
To: Dr. N. Unnamalai-Principal Scientist-Taramani-MCRC <unnamalain@mcrc.murugappa.org>
Subject: Re: REQUEST FOR INDUSTRIAL VISIT

Dear madam

Thank you for your resonse. We will visit the institute on 7.10.22 around 10.00-10.30 am with our final year students. Mam in regard of Industrial visit do we need to pay any entry fee for the same.

Thanking you
Mrs.V.Priscilla pudhparani
Asst.prof
SPCET
9789839977

Date: 30|9|22

INDUSTRIAL VISIT

From

The HOD of Biotechnology
St. Peter's College of Engineering & Technology
Avadi
Chennai 600 054

To
The Principal
St. Peter's College of Engineering & Technology
Avadi
Chennai 600 054

Sir,

Sub: SPCET INDUSTRIAL VISIT – Bus requested Reg.

The Student of final year department of Biotechnology Numbering 23 accompanies by 2 faculty member have programmed for an industrial visit to the Shri Amm Murugappa chettiar Research Centre (company) at Mahathma Gandhinagar Thiruvottiyur (place) on date 07.10.22

So, I request you to kindly spare the college bus.

TRT
30/9/22

Yours faithfully,

HOD (I/c)

Encl: Xeorx

1. Faculty Name: Mrs. V. Priscilla pushparani /AP & Dr. P Hari babu /Asp
2. Student Name list.
3. Company permission letter

Suggestion:

Bus - Comes 3.30PM SIR
Driver NAME, 8124626919
M. Subramani

T, ATR

Transport Manager **Dean** **Principal**

St. PETER'S
COLLEGE OF ENGINEERING AND TECHNOLOGY
Affiliated to Anna University | Approved by AICTE | ISO 9001:2015 Certified
Avadi, Chennai, Tamil Nadu – 600 054

DEPARTMENT OF BIOTECHNOLOGY

STUDENTS NAMELIST

S.No.	Register Number	Name
1.	112719214001	ABINAYA B
2.	112719214002	ABRAHAM A
3.	112719214003	ALLEN SHARNI S
4.	112719214004	ASHOK KUMAR N
5.	112719214005	BHARATH K
6.	112719214006	BHUVANEESWARI R
7.	112719214009	GOWTHAMAN G
8.	112719214010	GUNA VARSHINI G
9.	112719214011	KEERTHILAKSHMI S
10.	112719214012	MUKESH S
11.	112719214013	NAGA SIVANESH S T
12.	112719214014	PARKAVI D
13.	112719214015	POOJA R
14.	112719214016	PRIYANKA A
15.	112719214017	PRIYANKA S
16.	112719214018	SAMUTHIRAM M
17.	112719214019	SHIYNI S
18.	112719214020	SOWMIYA M
19.	112719214021	SUBA LAKSHMI J
20.	112719214022	SUMITHRA V
21.	112719214023	VIDHYA B
22.	112719214024	VINODHINI K
23.	112721214001	AFRIN BANU I
24.	112721214002	ATHIYAMAAN P M
25.	112721214003	DEEPIKA T S
26.	112721214004	GOKULA KRISHNAN M
27.	112721214005	HARSHITHA PREETHA B
28.	112721214006	JACK LINDEN DASS V
29.	112721214007	JESSIE MERLIN B
30.	112721214008	KAVIYA J
31.	112721214009	KIRUTHIKA P
32.	112721214010	MUKESH KUMAR S
33.	112721214011	NITHIN SAI K S
34.	112721214012	PREETHA ANGELINA A
35.	112721214013	RAJARAJAN T P
36.	112721214014	SHAKTHI BHAVANEE S
37.	112721214015	SHARLIE ANAMIKA I
38.	112721214016	SHYAM KUMAR S
39.	112721214017	SREEBAL U
40.	112721214018	VIGNESH V

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Avadi, Chennai, Tamil Nadu – 600 054

Department of Biotechnology

Industrial Visit Report

Academic year 2022-2023

Industrial visit to Shri A.M.M. Murugappa Chettiar Research Centre *(*MCRC), Tharamani, Chennai was organized for II & IV year students of Biotechnology, on 7th October 2022 with 40 students accompanied by faculty members. The industrial visit was arranged to understand the key concepts of research in advance.

Key Highlights

The company representative presented an orientation for an hour on outlook of research institute and ongoing projects in detail. Then, addressed the students about the basic concepts, and motivated the students to do more research. Students were able to learn the following principles on working of equipment and techniques. Some students even clarified their doubts in a one-on-one conversation.

- Working of different chromatography techniques
- Preparation of natural dye
- Handling of Algal culture
- How to handle lab waste.
- Proper way to prepare chemicals

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COLLEGE OF ENGINEERING AND TECHNOLOGY

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Event Photos

St. PETER'S

COLLEGE OF ENGINEERING AND TECHNOLOGY

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Avadi, Chennai, Tamil Nadu – 600 054

Event co-ordinator **HOD**

hodbiotech spcet <hodbiotech@spcet.ac.in> Wed, 19 Apr, 13:23 (2 days ago)

to priya, sakthi

Greetings from St. Peter's College of Engineering and technology

In connection with a telephonic conversation today by our students. We write this letter to seek your kind permission for an industrial visit to your organization, as per our college norms. The total student strength will be 65 (IInd ,IIIrd and final year B Tech Biotechnology students) The tentative date will be 21st or 25th April 2023 based on your convenience. We feel it will be fruitful that the students with academic background have a glimpse of the industry for the practical exposure and insights to the real working environments.

This visit will benefit students in gaining a thorough understanding of preferred fields, making it easier for them to comprehend the real working environment. I guarantee that all students will maintain the appropriate level of decorum in the industry. I anxiously anticipate your good response since I am required to tell all of the pupils. Thank you and look forward to a positive reply for our students in your esteemed organization.

Thanks and Regards

Dr. B A Gowri Shankar

HOD Biotechnology

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With Regards

Head of the Department
Department of Biotechnology
St. Peter's College of Engineering and Technology
Avadi, Chennai - 600054, Tamil Nadu, India.
Mail: hodbiotech@spcet.ac.in

Sakthi Biotechpark Wed, 19 Apr, 16:50 (2 days ago)

to GM, me, Priya

Dear Madam

Greetings from Golden Jubilee Biotech Park for Women!!!

As per your request, we are confirming the Industrial Visit on 25th April 2023.

We will be pleased to have your students for an Industrial visit and the following are included in the Industrial visit.

- A short video on Biotech Park
- An orientation program on Bio Entrepreneurship.
- Lab Tour -- Bio Nest - World-class Research and Development Centre and introduction of various equipment.
- Industry visit within the Park.
- Hi - Tea
- The certificate will be issued to each participant.

We charge a nominal fee of Rs.250/- per student for the visit and Rs.125/- for lunch. For faculties, charges are not applicable.

The program would take about 3 to 4 hours.

Kindly send us the list of students attending the program.

Regards
Saktheeswari T
Technical Executive

MS Swaminathan Bio-Incubation Centre (Supported by BIRAC)
Unit of Golden Jubilee Biotech Park for Women,
4th Main Road, 2nd Cross Road,
Inside SIPCOT IT Park,
Kanchipuram District- 603103
Tamil Nadu

Ph: 7305621230
www.biotechpark.co.in

Date: 21/4/2023

INDUSTRIAL VISIT

From

The HOD of Biotechnology
St. Peter's College of Engineering & Technology
Avadi
Chennai 600 054

To
The Principal
St. Peter's College of Engineering & Technology
Avadi
Chennai 600 054

Sir,

Sub: SPCET INDUSTRIAL VISIT – Bus requested Reg.

The Student of ~~II, III, IV~~ year department of Biotechnology Numbering 53 accompanies by 2 faculty member have programmed for an industrial visit to the Biotech park for Women (company) at SIPCO IT Park, OMR Road, Navalur, Ch-603103 (place) on date 25.04.2023 7.00 AM / 3.00 PM

So, I request you to kindly spare the college bus.

T. A T2
21/4/23

9789839977

Yours faithfully,

HOD

Encl: Xeorx
1. Faculty Name: Dr. P. Haribabu / ASP & Ms. T. Devi / AP (9994263683)
2. Student Name list.
3. Company permission letter

Starting time: 7.00 am
Return time: 5.30 pm

Suggestion:

V. 21/4/2023

Transport Manager

Dean

Principal
21/4/23

M- 9884211559-Dr.

St. PETER'S
COLLEGE OF ENGINEERING AND TECHNOLOGY
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Avadi, Chennai, Tamil Nadu – 600 054

DEPARTMENT OF BIOTECHNOLOGY

STUDENTS NAMELIST

S.No.	Register Number	Name
1.	112719214001	ABINAYA B
2.	112719214002	ABRAHAM A
3.	112719214003	ALLEN SHARNI S
4.	112719214004	ASHOK KUMAR N
5.	112719214005	BHARATH K
6.	112719214006	BHUVANEESWARI R
7.	112719214008	CHARULATHA K
8.	112719214009	GOWTHAMAN G
9.	112719214010	GUNA VARSHINI G
10.	112719214011	KEERTHILAKSHMI S
11.	112719214012	MUKESH S
12.	112719214013	NAGA SIVANESH S T
13.	112719214014	PARKAVI D
14.	112719214015	POOJA R
15.	112719214016	PRIYANKA A
16.	112719214017	PRIYANKA S
17.	112719214018	SAMUTHIRAM M
18.	112719214019	SHIYNI S
19.	112719214020	SOWMIYA M
20.	112719214021	SUBA LAKSHMI J
21.	112719214022	SUMITHRA V
22.	112719214023	VIDHYA B
23.	112719214024	VINODHINI K
24.	112720214001	ABINAYA.N
25.	112720214002	ANANDHI.P
26.	112720214003	ASHIKA JAHANA.S
27.	112720214004	DHANALAKSHMI.P
28.	112720214005	DIVYASHREE.R
29.	112720214006	HEMESRE.D
30.	112720214007	ISSAC WINSTON.J
31.	112720214008	JASEEMA.M
32.	112720214009	KAMALI.J
33.	112720214010	KAMALI.U
34.	112720214011	KOUSHIK ESWAAR.D
35.	112720214012	MAGESHA.M
36.	112720214013	NANDHINI.G
37.	112720214014	RAJESWARI.M
38.	112720214015	RUTICK.A
39.	112720214016	SARAN KUMAR.P
40.	112720214017	SREEMATHY.P
41.	112720214018	SUMAN.M
42.	112720214019	SURESH.M

43.	112720214020	VALARMATHI.S
44.	112720214021	VIKRAM.V
45.	112720214022	YOGALAKSHMI.D
46.	112721214001	AFRIN BANU I
47.	112721214002	ATHIYAMAAN P M
48.	112721214003	DEEPIKA T S
49.	112721214004	GOKULA KRISHNAN M
50.	112721214005	HARSHITHA PREETHA B
51.	112721214006	JACK LINDEN DASS V
52.	112721214007	JESSIE MERLIN B
53.	112721214008	KAVIYA J
54.	112721214009	KIRUTHIKA P
55.	112721214010	MUKESH KUMAR S
56.	112721214011	NITHIN SAI K S
57.	112721214012	PREETHA ANGELINA A
58.	112721214013	RAJARAJAN T P
59.	112721214014	SHAKTHI BHAVANEE S
60.	112721214015	SHARLIE ANAMIKA I
61.	112721214016	SHYAM KUMAR S
62.	112721214017	SREEBAL U
63.	112721214018	VIGNESH V

St. PETER'S

COLLEGE OF ENGINEERING AND TECHNOLOGY

Affiliated to Anna University | Approved by AICTE | ISO 9001:2015 Certified

Avadi, Chennai, Tamil Nadu – 600 054

Department of Biotechnology

Industrial Visit Report

Academic year 2022-2023

Industrial visit to **Biozone Research Technologies Pvt Ltd, Chennai** was organized for II, III & IV year students of Biotechnology, on 25th April 2022 with 63 students accompanied by faculty members. The industrial visit was arranged to understand the key concepts of research in advance.

Key Highlights

The company representative presented an orientation for an hour on outlook of research institute and ongoing projects in detail. Then, addressed the students about the basic concepts, and motivated the students to do more research. Students were able to learn the following principles on working of equipment and techniques. Some students even clarified their doubts in a one-on-one conversation.

- Working of different chromatography techniques
- Preparation of natural dye
- Handling of Algal culture
- How to handle lab waste.
- Proper way to prepare chemicals

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Event Photos

St. PETER'S

COLLEGE OF ENGINEERING AND TECHNOLOGY

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Avadi, Chennai, Tamil Nadu – 600 054

Event co-ordinator **HOD**

Date: 20.09.2022

INDUSTRIAL VISIT

From

The HOD of CHEMICAL ENGG
St. Peter's College of Engineering & Technology
Avadi
Chennai 600 054

To
The Principal
St. Peter's College of Engineering & Technology
Avadi
Chennai 600 054

Sir,

Sub: SPCET INDUSTRIAL VISIT – Bus requested Reg.

The Student of IV year department of Chemical Engg Numbering 20 accompanies by 2 faculty member have programmed for an industrial visit to the Desalination plant (company) at Nemmeli (place) on date 23rd Sept 2022 || 9.00 AM To 3.30 PM

So, I request you to kindly spare the college bus.

Yours faithfully,

HOD 20/9/22

Encl: Xeorx
1. Faculty Name: MRS. A. AGAL & Mr. T.T. ISRAEL
2. Student Name list.
3. Company permission letter

Suggestion: T1 AT2 Pl arrange.

Transport Manager **Dean** 20/9/22 **Principal** 20/9/22

14-09-2022

From

Dr.S.Thenesh Kumar

Professor and Head

Department of Chemical Engineering

St.Peter's College of Engineering and Technology

Avadi, Chennai-600054

To

The Principal

St.Peter's College of Engineering and Technology

Avadi, Chennai-600054

Respected Sir,

Sub: Requisition of permission to collect money for an Industrial Visit: - Reg.

We have got permission for an industrial visit for final year students to the Nemili Desalination plant on 23rd September 2022 through our department Alumni Mr. Jagadeesan (2019 passed out), whose father is working in CMWSS. In this regard, we have to pay an amount of Rs. 1475 (including GST) for the whole class (20 students) on account of plant visit. So, I kindly request you to grant permission for collecting money of Rs 73.75 per head from the students for the industrial visit.

14/9/22

19/9/2022

19/9/22

Thanking you

Yours Sincerely

14/9/22

(S.THENESH KUMAR)

20-09-2022

From

Dr. S.Thenesh Kumar

Professor and Head

Department of Chemical Engineering

St. Peter's College of Engineering and Technology

Avadi, Chennai-600054

To

The Principal

St. Peter's College of Engineering and Technology

Avadi, Chennai-600054

Respected Sir,

Sub: Requisition of permission for an Industrial Visit: - Reg.

As we have got permission for an industrial visit to the Desalination plant at Nemmeli on 23.09.2022 for IV year Chemical Engineering students (20) along with the following two faculty members.

1. Ms.A.Arokia Pushpa Agal
2. Mr.T.T.Israel

Therefore we kindly request you to grant permission for the above mentioned reason and do the needful. Herewith I have enclosed the confirmation letter for your kind perusal.

Thanking you

Yours Sincerely

(S.THENESH KUMAR)

T.R.PARTHASARATHI B.E.
Director (Training Centre)
CMWSSB

CHENNAI METROPOLITAN WATER SUPPLY
AND SEWERAGE BOARD
Fax No. 044 - 26473326
Phone No. 044 - 26442611

No. 56, Raji Street Ayanavaram, Chennai - 23

Lr. No.CMWSSB/TC/ Field Visit/2022- 23 dated 15.09.2022

To
The Principal,
St. Peter's College of Engineering and Technology,
Avadi,
Chennai – 600054.

Sir,

Sub: CMWSSB - Training Centre – St. Peter's College of Engineering and Technology, Chennai -Permission requested for field visit - Accorded - Reg.

Ref: Your Letter dated: 14.09.2022 addressed to The Deputy Director, CMWSSB along with DD. No.212081 dt.14.09.2022 for Rs.1475/- drawn at Canara Bank Ambattur branch.

With reference to the above cited, permission is hereby accorded for field visit to the **Desalination Plant** for IV year Chemical Engineering students, along with faculty of your institution as scheduled below, with the condition to adopt COVID-19 regulations such as Wearing mask, Maintaining Social distancing.

Sl. No	No. of Batches	No. of students	Nemmeli Desal
1	Batch – I	25	23.09.2022(FN)

This permission is accorded subject to the following conditions:

1. The permitted persons to adhere the safety norms, discipline and also follow the instructions of CMWSSB officials at site during the time of visit.

2. The health conditions of the permitted persons are to be ascertained by the Institution authorities themselves before planning on their visit to the CMWSSB site.
3. Safety and responsibility of the permitted persons are solely rest with the concerned education Institutions. Minimum of 2 senior persons from the Institution should accompany the permitted persons during the field visit
4. CMWSSB is not liable for damage to both personnel and belongings caused during the field visit.
5. CMWSSB is not liable for any accidents or loss of life caused during the field visit.
6. The damages if any caused to the Board's installations, natures etc., by the permitted persons, the consequences and cost of the same should be borne by them.
7. The data collected from CMWSSB should be used only for the purpose of their study and should not divulge any information, publication of articles in Newspapers or any media or presentation in any public forum.
8. Any report, if prepared, should not be published without the consent of CMWSS Board and a copy of such report has to be submitted to CMWSS Board.
9. The permitted persons should not take any photograph or videos or any type of Audio/Video recording during their visit at CMWSSB site.
10. The permitted persons are not allowed to use their cellphone during their visit at CMWSSB site.
11. The permitted persons should wear shoes only.

The above instructions mentioned should be adhered and followed strictly.

You are requested to contact the A.E.E./Nemmeli Desal, Mobile No 8144930612 for further information and guidance.

15/9/22

Director (TC)

St. PETER'S COLLEGE OF ENGINEERING AND TECHNOLOGY, AVADI

DEPARTMENT OF CHEMICAL ENGINEERING

Industrial Visit - Students Name List

S.No	Registration No.	Name
IV YEAR		
1	112719203001	AKASH R
2	112719203002	BHARATH V
3	112719203003	BOOMIKA K
4	112719203004	FREDRICK ROSHAN M
5	112719203005	JACK ALWIN A
6	112719203006	JAGADEESH E
7	112719203007	LOGANATHAN M
8	112719203008	MANIKANDAN R
9	112719203009	NAVEEN KUMAR J
10	112719203010	PHILSHIA THARO P
11	112719203011	PURUSHOTHAMAN R
12	112719203012	SAIRAM B
13	112719203013	SANTHOSH KUMAR S
14	112719203014	SARAVANA KUMAR K
15	112719203015	SATHISH S
16	112719203016	SHIVA SUBRAMANI T
17	112719203017	SHRINIVETHA S
18	112719203018	SILVYA V
19	112719203020	TONY FRANKLIN F
20	112719203021	ULAGANATHAN A

20/09/22

HOD / CHEMICAL

Dr.S.Thenesh Kumar

St. PETER'S

COLLEGE OF ENGINEERING AND TECHNOLOGY

Affiliated to Anna University | Approved by AICTE | NAAC with 'A' Grade | ISO 9001:2015 Certified

Avadi, Chennai, Tamilnadu - 600054

Department of Chemical Engineering

Industrial visit to Nemilli Desalination plant

About 20 students of final year Chemical Engineering visited Nemilli desalination plant on 23.09.2022. The Bus started from the college at 8:30 am and reached the plant by 11.00 am. There was a formal presentation by the Head of the plant. All the students were given instructions and precautions to be maintained inside the plant. The students visited 100 MLD treatment plant. The students were taken to the sea shore where pipe line is connected for desalination. The automation of desalination plant using sensors was observed. The membranes used for the desalination was noticed. The students observed the conversion of seawater into potable water. A.Arokia Pushpa Agal, Assistant Professor and T.T.Israel Assistant Professor accompanied the students. The Students gained knowledge about the reverse osmosis mechanism.

Co ordinator HOD

Date: 24.02.2023

INDUSTRIAL VISIT

From

The HOD of CHEMICAL ENGG
St. Peter's College of Engineering & Technology
Avadi
Chennai 600 054

To
The Principal
St. Peter's College of Engineering & Technology
Avadi
Chennai 600 054

Sir,

Sub: SPCET INDUSTRIAL VISIT – Bus requested Reg.

The Student of II & III year department of Chemical Engg Numbering 21 accompanies by 2 faculty member have programmed for an industrial visit to the STAHL INDIA LTD, KANCHEEPURAM (company) at KANCHEEPURAM (place) on date 03.03.2023

So, I request you to kindly spare the college bus.

TRT

Yours faithfully,
24/2/23
HOD

Encl: Xeorx
1. Faculty Name:
2. Student Name list.
3. Company permission letter

i, AT2

Suggestion:

1. Pl. arrange
2. Ensure whether the permit from RTO is necessary.

27/2/23

Transport Manager **Dean** 27/2/23 **Principal** 27/2/23

St. PETER'S COLLEGE OF ENGINEERING AND TECHNOLOGY :: CHENNAI
Affiliated to Anna University, Chennai & Approved by AICTE

Date: 24.02.2023

Submitted to the Principal,

Respected Sir,

Sub: Requisition to Permission for an Industrial visit – reg

Our II year and III year B.Tech(Chemical Engineering Department) is intended to go for an industrial visit to STAHL India ltd, Kancheepuram on 03.03.2023. In this regard, We kindly request you to grant us permission for 21 Chemical Engineering students along with two following faculty members and do the needful

1. J.Sheeba vinolia Priyadharshini
2. J.Keren vinoliya Ebenezer

Thanking you

Yours truly,

24/2/23

24/2/23

(S.Thenesh Kumar)
HOD /Chemical Engineering

St.Peter's College of Engineering and Technology Web Mail

SHEEBA VINOLIA PRIYADHARSHINI J Chemical <sheebavinolia@spcet.ac.in>

Requisition for permission for an industrial visit -reg

SHEEBA VINOLIA PRIYADHARSHINI J Chemical <sheebavinolia@spcet.ac.in> Tue, Feb 21, 2023 at 10:29 AM

To: anandakumar.g@stahl.com

Respected Sir,

St. Peter's College of Engineering and Technology is a reputed Anna university affiliated college which continuously strive to focus on imparting quality technical education introducing Engineering programmes leading to Research and Development for sustainable growth. Seven branches of Engineering Courses at the Graduation level along with Management and Computer Science disciplines are offered. The Department of Chemical Engineering was started in 2014 . The Department produces quality Engineers with skills imposed .

Our Chemical Engineering students would like to have the privilege to visit your company .We shall be thankful if you could kindly accord permission for our students of **II and III year B.Tech-Chemical Engineering (21 Students)**, accompanied **by 2 faculty member** to visit your place by **the month of march , any day (expect Saturdays)**. Your reply in this matter is earnestly solicited and the same may be conveyed to us.

with regards
J.SHEEBA VINOLIA PRIYADHARSHINI
ASSISTANT PROFESSOR
St.PETER'S COLLEGE OF ENGINEERING AND TECHNOLOGY
AVADI, CHENNAI-54
9442917610

St.Peter's College of Engineering and Technology Web Mail

SHEEBA VINOLIA PRIYADHARSHINI J Chemical <sheebavinolia@spcet.ac.in>

Requisition for permission for an industrial visit -reg

G Anandakumar <Anandakumar.G@stahl.com> Fri, Feb 24, 2023 at 1:12 PM
To: SHEEBA VINOLIA PRIYADHARSHINI J Chemical <sheebavinolia@spcet.ac.in>
Cc: S Prasad <Prasad.S@stahl.com>, Manivannan Mohanraj <Mohanraj.Manivannan@stahl.com>, Suresh Babu D <D.SureshBabu@stahl.com>

Dear Sheeba,

Please plan your team visit on 03rd March'2023.

Time to report our location : 1000hrs

Total duration of the visit : 1000-1330hrs.

Students and staffs must have to wear shoes and dress code would be smart casuals.

Please let me know if any clarity is required.

Our plant location map:

https://www.google.com/maps/dir/13.110173,80.1093562/stahl+india+pvt+ltd/@12.9977639,79.8117597,11z/data=!3m1!4b1!4m9!4m8!1m1!4e1!1m5!1m1!1s0x3a52ebd426a22f8d:0x122c58891bea70af!2m2!1d79.7901232!2d12.8854292

[Quoted text hidden]

St. PETER'S

COLLEGE OF ENGINEERING & TECHNOLOGY

Affiliated to Anna University | Approved by AICTE | ISO 9001:2015 Certified | NAAC with 'A' Grade
Avadi, Chennai, TamilNadu – 600 054

DEPARTMENT OF CHEMICAL ENGINEERING

S.No.	Register Number	Student Name	YEAR	CONTACT NUMBER
1	112720203001	BALAJI S	III Year	7358306346
2	112720203002	JAGADESH M	III Year	9943574189
3	112720203004	LOKESH KUMARAN M N	III Year	7418481800
4	112720203005	MADESH P	III Year	8667372630
5	112720203006	PAVITHRA C	III Year	9489938706
6	112720203007	PUJITA J	III Year	6369580220
7	112720203008	SWETHA E	III Year	9361031628
8	112720203009	YOGESHWARAN R S	III Year	9150575529
9	112721203001	ANANDHAKRISHNAN M	II Year	9345280429
10	112721203002	ARCHANA J	II Year	6381263723
11	112721203004	GOKULA KRISHNAN N	II Year	9884785109
12	112721203005	IRSHATH ALI M	II Year	9047634603
13	112721203006	JEGADHISH M	II Year	9025981706
14	112721203007	MONICA A	II Year	9025664371
15	112721203008	NITHISH KUMAR S	II Year	6374979253
16	112721203009	PRINCE P	II Year	9150981808
17	112721203010	SIVAKARTHIKEYAN A	II Year	9445708579
18	112721203011	SRIDHARAN P	II Year	6384637494
19	112721203012	SWETHA S	II Year	6383166136
20	112721203301	HEMNATH K	II Year	6382718620
21	112721203303	PRASATH A	II Year	6374519930

HOD/CHEMICAL ENGINEERING

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Department of Chemical Engineering

Industrial visit to STAHL INDIA LIMITED

About 21 students of II year and III year Chemical Engineering visited Stahl India limited, Kancheepuram on 03.03.2023. The Bus started from the college at 8:30 am and reached industry at 10:00 am. The officers and the staff welcomed with a refreshments followed by the presentation about the industry. Students and the staff were given safety helmets to visit the factory. Dr.G.Anand Kumar, Senior manager helped us to visit the industry. The Stahl India is a company which manufactures processing chemicals for the leather industry. It comprises of the unit operations of the Chemical Engineering .The Industry has maintained with all safety aspects. The Special features of the industry are the spray dryer and the process control systems. The students visited manufacturing unit of phenol, naphthalene and the effluent treatment plant. The visit was very informative and useful. The visit ended with the discussion with the director of the industry. Ms.J.Sheeba vinolia, Assistant Professor and Ms.J.Keren vinoliya, Assistant Professor accompanied the students for the visit.

Co-ordinator HOD

St. PETER'S COLLEGE OF ENGINEERING AND TECHNOLOGY :: CHENNAI

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai.
Accredited by NAAC with 'A' Grade and ISO 9001:2015 Certified Institution)

List of Students undertaking Internship Work for the AcademicYear 2022-2023

Program Name: Chemical Engineering **Program Code:** 203

INTERNSHIP DETAILS

S.No	Register No	Name of the Student	Internship	Internship Duration
1	112720203001	BALAJI S	CIPET	27-07-2023 - 28-07-2023
2	112720203002	JAGADESH M	CIPET	27-07-2023 - 28-07-2023
3	112720203004	LOKESH KUMARAN M N	CIPET	27-07-2023 - 28-07-2023
4	112720203006	PAVITHRA C	CIPET	27-07-2023 - 28-07-2023
5	112720203008	SWETHA E	CIPET	27-07-2023 - 28-07-2023
6	112720203009	YOGESHWARAN R S	CIPET	27-07-2023 - 28-07-2023

सिपेट : पेट्रोकेमिकल्स तकनीकी संस्थान (आईपीटी)
रसायन एव पेट्रोरसायन विभाग
रसायन एवं उर्वरक मंत्रालय, भारत सरकार
गिण्डी, चेन्नै - 600 032.
फोन : 91-44-2225 4701 (6 लाइन)
फैक्स : 91-44-22254707
ई-मेल : chennai@cipet.gov.in
वेब्साइट : www.cipet.gov.in

CIPET : INSTITUTE OF PETROCHEMICALS TECHNOLOGY (IPT)
Department of Chemicals & Petrochemicals
Ministry of Chemicals & Fertilizers, Govt. of India
Guindy, Chennai - 600 032.
Phone : 91-44-2225 4701 (6 Lines)
Fax : 91 - 44 - 22254707
E-mail : chennai@cipet.gov.in
Website : www.cipet.gov.in

CIPET/CHN/VTC/INTERNSHIP TRG/2022-23/304

28.07.2022

INTERNSHIP CERTIFICATE

This is to certify that **Mr. BALAJI S,** S/o. Mr. Selvam R., student of B.Tech (Chemical Engineering) from St. Peter's College of Engineering and Technology, Chennai has completed the two day "**INTERNSHIP**" from 27.07.2022 to 28.07.2022 at Central Institute of Petrochemicals Engineering & Technology, Guindy, Chennai 600 032.

During the Internship training period, the performance of the trainee was found good.

VELLADURAI A.
Head of the Department
CAD/CAM/CAE Centre

RAVICHANDRAN. A
Head of the Department
Vocational Training Centre

सिपेट : पेट्रोकेमिकल्स तकनीकी संस्थान (आईपीटी)
रसायन एव पेट्रोरसायन विभाग
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E-mail : chennai@cipet.gov.in
Website : www.cipet.gov.in

CIPET/CHN/VTC/INTERNSHIP TRG/2022-23/299 28.07.2022

INTERNSHIP CERTIFICATE

This is to certify that **Mr. JAGADESH M.,** S/o. Mr. Murugesan A., student of B.Tech (Chemical Engineering) from St. Peter's College of Engineering and Technology, Chennai has completed the two day "**INTERNSHIP**" from 27.07.2022 to 28.07.2022 at Central Institute of Petrochemicals Engineering & Technology, Guindy, Chennai 600 032.

During the Internship training period, the performance of the trainee was found good.

VELLADURAI A.
Head of the Department
CAD/CAM/CAE Centre

RAVICHANDRAN. A
Head of the Department
Vocational Training Centre

सिपेट : पेट्रोकेमिकल्स तकनीकी संस्थान (आईपीटी)
रसायन एव पेट्रोरसायन विभाग
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फैक्स : 91-44-22254707
ई-मेल : chennai@cipet.gov.in
वेब्सइट : www.cipet.gov.in

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Ministry of Chemicals & Fertilizers, Govt. of India
Guindy, Chennai - 600 032.
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E-mail : chennai@cipet.gov.in
Website : www.cipet.gov.in

CIPET/CHN/VTC/INTERNSHIP TRG/2022-23/298 28.07.2022

INTERNSHIP CERTIFICATE

This is to certify that **Mr. LOKESH KUMARAN M.N.,** S/o. Mr. Mani Kumar M., student of B.Tech (Chemical Engineering) from St. Peter's College of Engineering and Technology, Chennai has completed the two day "**INTERNSHIP**" from 27.07.2022 to 28.07.2022 at Central Institute of Petrochemicals Engineering & Technology, Guindy, Chennai 600 032.

During the Internship training period, the performance of the trainee was found good.

VELLADURAI A.
Head of the Department
CAD/CAM/CAE Centre

RAVICHANDRAN. A
Head of the Department
Vocational Training Centre

सिपेट : पेट्रोकेमिकल्स तकनीकी संस्थान (आईपीटी)
रसायन एव पेट्रोरसायन विभाग
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ई-मेल : chennai@cipet.gov.in
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एक कदम स्वच्छता की ओर

Azadi Ka Amrit Mahotsav

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Department of Chemicals & Petrochemicals
Ministry of Chemicals & Fertilizers, Govt. of India
Guindy, Chennai - 600 032.
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Website : www.cipet.gov.in

CIPET/CHN/VTC/INTERNSHIP TRG/2022-23/302 28.07.2022

INTERNSHIP CERTIFICATE

This is to certify that **Ms. PAVITHRA.,** D/o. Mr. Chandran S., student of B.Tech (Chemical Engineering) from St. Peter's College of Engineering and Technology, Chennai has completed the two day "**INTERNSHIP**" from 27.07.2022 to 28.07.2022 at Central Institute of Petrochemicals Engineering & Technology, Guindy, Chennai 600 032.

During the Internship training period, the performance of the trainee was found good.

VELLADURAI A.
Head of the Department
CAD/CAM/CAE Centre

RAVICHANDRAN. A
Head of the Department
Vocational Training Centre

सिपेट : पेट्रोकेमिकल्स तकनीकी संस्थान (आईपीटी)
रसायन एवं पेट्रोरसायन विभाग
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Department of Chemicals & Petrochemicals
Ministry of Chemicals & Fertilizers, Govt. of India
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Website : www.cipet.gov.in

CIPET/CHN/VTC/INTERNSHIP TRG/2022-23/300 28.07.2022

INTERNSHIP CERTIFICATE

This is to certify that **Ms. SWETHA E.,** D/o. Mr. Elumalai P., student of B.Tech (Chemical Engineering) from St. Peter's College of Engineering and Technology, Chennai has completed the two day **"INTERNSHIP"** from 27.07.2022 to 28.07.2022 at Central Institute of Petrochemicals Engineering & Technology, Guindy, Chennai 600 032.

During the Internship training period, the performance of the trainee was found good.

VELLADURAI A.
Head of the Department
CAD/CAM/CAE Centre

RAVICHANDRAN. A
Head of the Department
Vocational Training Centre

सिपेट : पेट्रोकेमिकल्स तकनीकी संस्थान (आईपीटी)
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Website : www.cipet.gov.in

CIPET/CHN/VTC/INTERNSHIP TRG/2022-23/301 28.07.2022

INTERNSHIP CERTIFICATE

This is to certify that **Mr. YOGESHWARAN R.S.,** S/o. Mr. Ramesh D., student of B.Tech (Chemical Engineering) from St. Peter's College of Engineering and Technology, Chennai has completed the two day "INTERNSHIP" from 27.07.2022 to 28.07.2022 at Central Institute of Petrochemicals Engineering & Technology, Guindy, Chennai 600 032.

During the Internship training period, the performance of the trainee was found good.

VELLADURAI A.
Head of the Department
CAD/CAM/CAE Centre

RAVICHANDRAN. A
Head of the Department
Vocational Training Centre

DEPARTMENT OF CHEMICAL ENGINEERING

LABORATORIES

Technical Analysis Laboratory

Mechanical Operations Laboratory

Heat Transfer Laboratory

Heat Transfer Laboratory

Process Instrumentation Dynamics and Control Laboratory

Chemical Reaction Engineering Laboratory

Mass Transfer Laboratory

Students achievements

Participated and won **1st prize** in **Business plan competition on Entrepreneurship Day** held at **St.Peter's College of Engineering & Technology**

Participated and won **1st prize** in **Value added product competition** on **Entrepreneurship Day** held at **St.Peter's College of Engineering & Technology**

Students achievements

Attended two days **E-Leader workshop** organised by **Innovation & Entrepreneurship Development programme** by **Government of TAMILNADU at CED - Anna University, Chennai**

Participated and won **1st prize** in **paper presentation** in National level symposium **"TECHMACE 2022"**

Students achievements

Participated and won **1st prize** in **Chemipedia** on national level symposium **"CHEMTRIX"** Conducted by **St. Joseph College of Engineering**

Participated and won **2nd prize** in National level symposium **"CHEMTRIX"** conducted by **St. Joseph College of Engineering**

CHEVALIER T THOMAS ELIZABETH COLLEGE FOR WOME

(No.16, St. Mary's Road, Maryland, Sembium, Perambur, Chennai - 600011)

Affliated to the University of Madras & Re-Accredited by NAAC with Grade'A'

DEPARTMENT OF CHEMISTRY

VEDHI'ESTA - 2023

This is to certify that Mr./~~Ms~~. LOKESH KUMARAN · M·N

of ST. PETER'S COLLEGE OF ENGINEERING TECHNOLOGY has secured **First/Second/Third** position in the event CHEM QUIZ at the intercollegiate Fest **VEDHI'ESTA** conducted on 21 April, 2023 by **Aurum Club.**

N. Anuradha

Mrs. N. Anuradha
Head of the Department
CTTE College for Women

Sponsored By

S. Sridevi

Dr. S. Sridevi
Principal
CTTE College for Women

CHEVALIER T THOMAS ELIZABETH COLLEGE FOR WOMEN

(No.16, St. Mary's Road, Maryland, Sembium, Perambur, Chennai - 600011)

Affliated to the University of Madras & Re-Accredited by NAAC with Grade'A'

DEPARTMENT OF CHEMISTRY

VEDHI'ESTA - 2023

This is to certify that Mr./~~Ms~~..... LOKESH KUMARAN . M . N .....

of .....ST. PETER'S COLLEGE OF ENGINEERING TECHNOLOGY..... has secured **First/Second/Third** ✓

position in the event.....ARTISTRY.....at the intercollegiate Fest **VEDHI'ESTA** conducted on 21 April, 2023 by **Aurum Club.**

N. Anuradha

Mrs. N. Anuradha
Head of the Department
CTTE College for Women

Sponsored By

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DEPARTMENT OF CHEMISTRY

VEDHI'ESTA - 2023

This is to certify that Mr./~~Ms~~.....LOKESH KUMARAN.M.N.....
of .....ST. PETER'S COLLEGE OF ENGINEERING TECHNOLOGY.....has secured **First/Second/Third** position in the event.....SPLICE THE MYSTERY.....at the intercollegiate Fest **VEDHI'ESTA** conducted on 21 April, 2023 by **Aurum Club.**

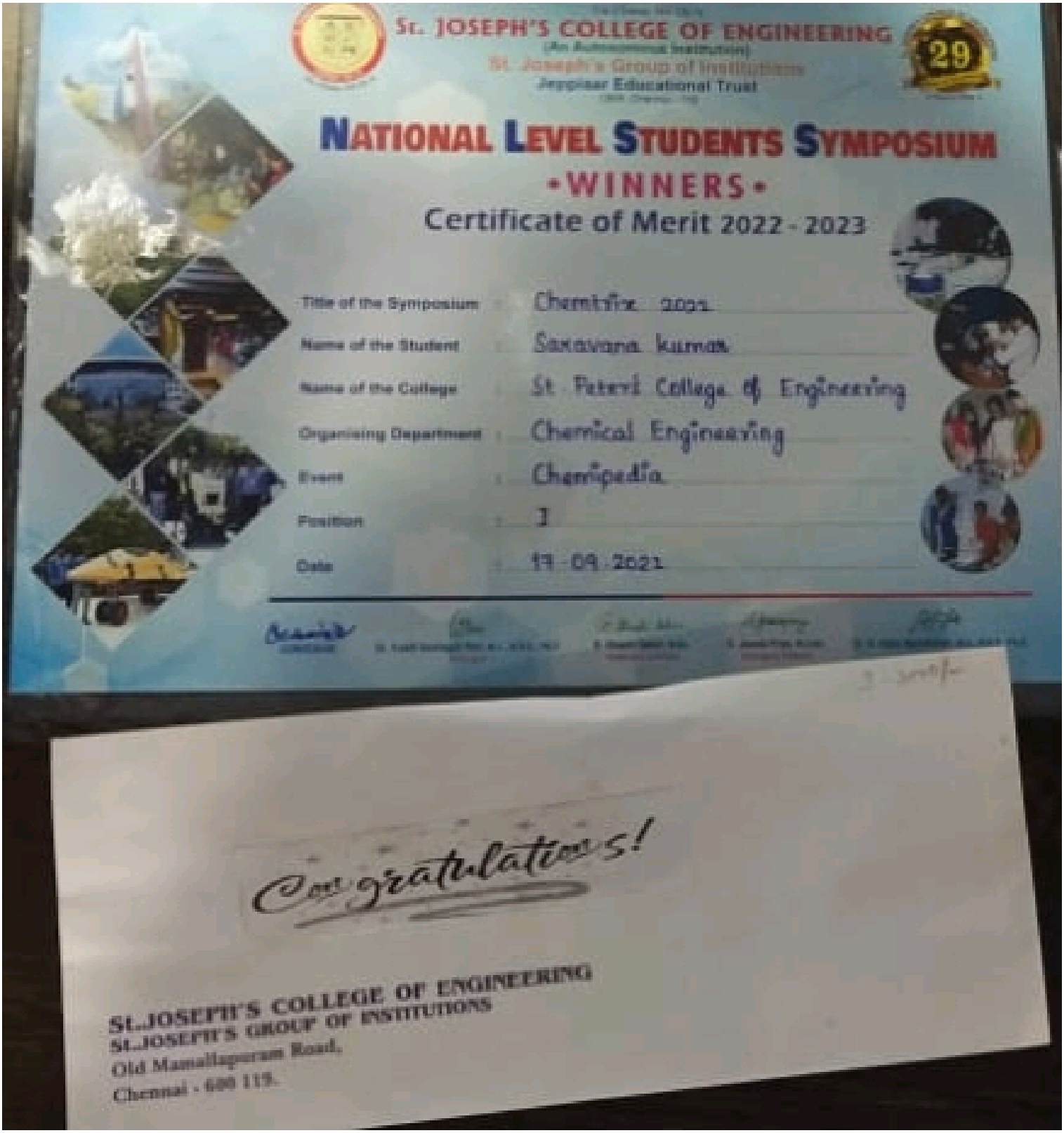
N. Anuradha

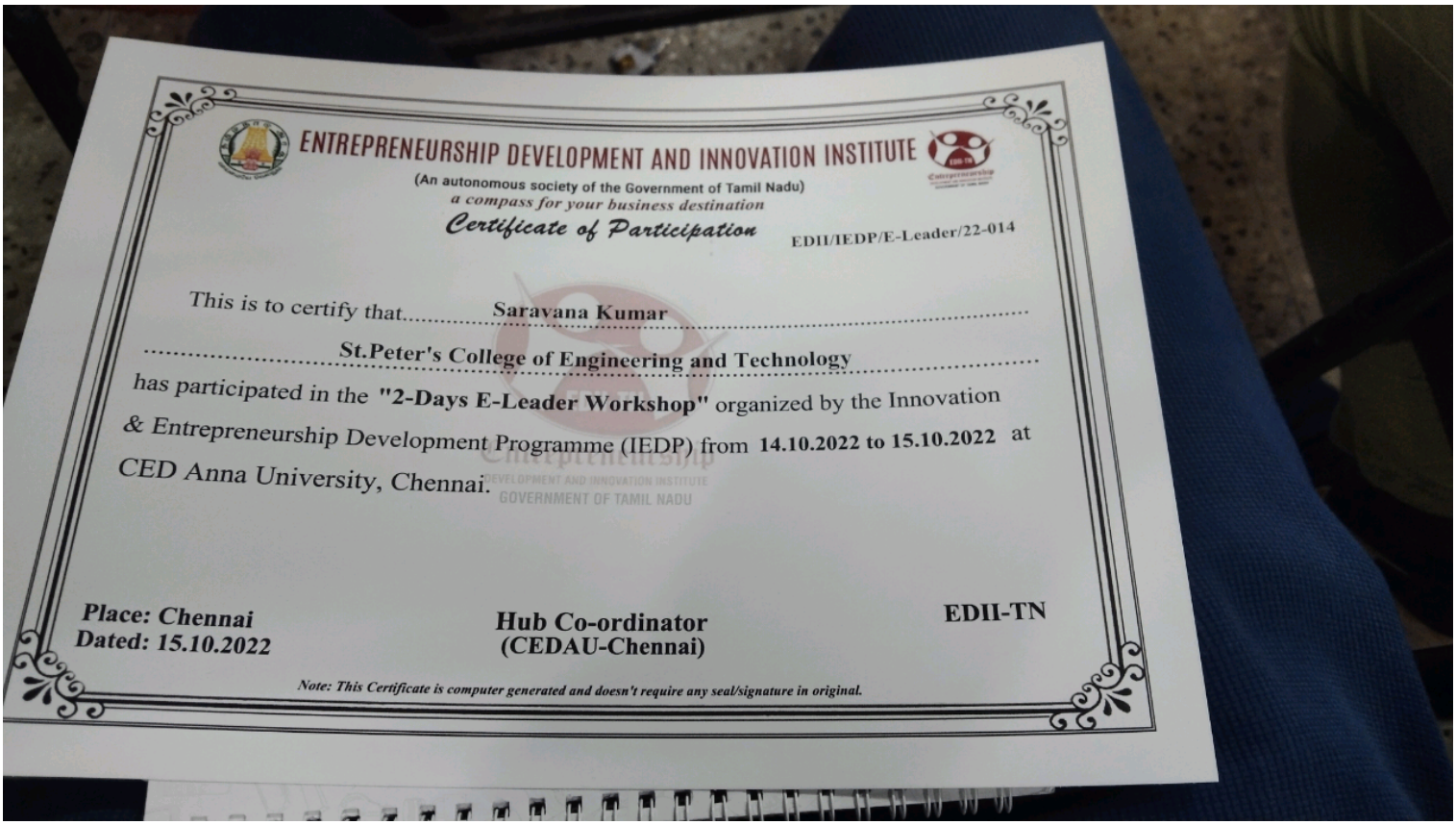
Mrs. N. Anuradha
Head of the Department
CTTE College for Women

Sponsored By

S. Sridevi

Dr. S. Sridevi
Principal
CTTE College for Women


St. JOSEPH'S COLLEGE OF ENGINEERING
(An Autonomous Institution)
St. Joseph's Group of Institutions
Jeppiaar Educational Trust
29
NATIONAL LEVEL STUDENTS SYMPOSIUM
•WINNERS•
Certificate of Merit 2022 - 2023
Title of the Symposium : Chemitrix 2021
Name of the Student : Saravana kumar
Name of the College : St. Peter's College of Engineering
Organising Department : Chemical Engineering
Event : Chemipedia
Position : I
Date : 17.09.2021
Congratulations!
St.JOSEPH'S COLLEGE OF ENGINEERING
St.JOSEPH'S GROUP OF INSTITUTIONS
Old Mamallapuram Road,
Chennai - 600 119.



ENTREPRENEURSHIP DEVELOPMENT AND INNOVATION INSTITUTE

(An autonomous society of the Government of Tamil Nadu)

a compass for your business destination

Certificate of Participation

EDII/IEDP/E-Leader/22-014

This is to certify that **Saravana Kumar**

St.Peter's College of Engineering and Technology

has participated in the **"2-Days E-Leader Workshop"** organized by the Innovation & Entrepreneurship Development Programme (IEDP) from **14.10.2022 to 15.10.2022** at CED Anna University, Chennai.

Place: Chennai
Dated: 15.10.2022

Hub Co-ordinator
(CEDAU-Chennai)

EDII-TN

Note: This Certificate is computer generated and doesn't require any seal/signature in original.

CHEM SKILL DEVELOPMENT CENTRE

Chennai

CERTIFICATE

This is to certify that Saravana kumar K has participated in the training programme on

"Industry Oriented Knowledge Building Program "

from December 10, 2021 to December 30, 2021 conducted by C.S.D.C.

by lecture sessions followed by in-plant training

S. Stalin
Course Director

A joint initiative of

Chemical Industries Association

Manali Industries Association

Indian Chemical Council

St. PETER'S

COLLEGE OF ENGINEERING AND TECHNOLOGY

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Avadi, Chennai, Tamilnadu - 600054

A-GRADE

College Annual Day (2022 – 2023)

CERTIFICATE OF APPRECIATION

This is to certify that SARAVANA KUMAR.K of IV year VIII semester

from Department of CHEMICAL ENGINEERING is awarded the Best Project

in recognition of the teams outstanding performance and valuable contribution to the project titled

DESIGN OF PADDLE DRYER FOR SLUDGE DISPOSAL USING FLUE GAS

in the Project Expo 2023 held on 10th May 2023

Dean | Principal | Director

St. PETER'S
COLLEGE OF ENGINEERING & TECHNOLOGY
Affiliated to Anna University | Approved by AICTE | ISO 9001:2015 Certified | NAAC with 'A' Grade
Avadi, Chennai, Tamilnadu – 600 054

DATE: 03.04.2023

To

The
Principal

Respected
Sir,

Sub: Budget Approval for conducting Symposium on 12.04.2023 - reg.

We the Department of Biotechnology & Chemical Engineering are planning to conduct National Level Technical Symposium on 12.04.2023. In this regard, to conduct the symposium we need financial support of Rs. 20,000/- for remuneration of Chief guest & also for other miscellaneous expenses. Please find the attached requirement to conduct the event.

Request you to kindly grant us permission to conduct the symposium and also sanction the required amount for the same.

Thanking you,

Yours

Faithfully,

HOD / Biotech **HOD / Chemical**

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Affiliated to Anna University | Approved by AICTE | ISO 9001:2015 Certified | NAAC with 'A' Grade
Avadi, Chennai, Tamilnadu – 600 054

CIRCULAR

Ref No: SPCET / PRI / CIR / 2023-2024 / **DATE: 10.04.2023**

The Department of Biotechnology & Chemical Engineering have planned to organize **"National Level Technical Symposium – BIOKEMIZ' 2k23"** on 12.04.2023 at Block VI – Seminar Hall. In this regards, we request all the students to participate and win prizes in the technical & non-technical events conducted.

PRINCIPAL

Copy to:

Dean (A)
All department
HOD Notice
board
Chairperson/Trustee/Secretary

BUDGET APPROVAL

S.No	Description	Amount in Rs
1.	Banner & Invitation	1,600
2.	Chief Guest -- Transportation	1,000
3.	Momento & Gift	2,369
4.	Reception	500
5.	Rangoli & Kuthuvilaku Items	500
6.	High Tea & Refreshment for guest	1,000
7.	Refreshement for participants	1,000
8.	Food for Chief Guest	500
9.	Souvenir (8 CDs)	250
10.	Stationaries/Decoration	2,500
11.	Certificates & Medal	1,600
13.	Prize Money	2,100
14.	Lunch @ Rs. 30 for 35 members	1,050
15.	File & Pen for 50 members	1,550
16.	Badges for Chief guest & organizers	1,200
17.	Other miscellaneous	1,558
TOTAL		**Rs 20,177**

HoD / Biotech **HoD / Chemical**

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Avadi, Chennai, Tamilnadu – 600 054

Department of Chemical Engineering & Biotechnology

WORK ALLOTMENT

S. No	EVENT	DEPARTMENT	ALLOTMENT
1	Inaugration MC	Chemical & Biotech	• Stage arrangement • Agenda • Organizing the program
2	Refreshement	Biotech	• Purchasing of Snacks • Distributing the snacks
3	Finance	Chemical	• Planning for the budget • Monitoring the expense • Bill collection and submission • Submission of expenditure statement
4	Designing Team	Biotech	• Banner • Poster • Invitation • Certificate • Sticker for medals & Badges • Printing the above documents
5	Registration & Online	Chemical	• Monitoring Online registrations • Spot registration (Offline)
6	Chief Guest	Biotech	• Arrangement • Transport • Momento & Gifts • Refreshment
7	Kit	Chemical	• Planning items of the kit • Purchase and distribution of kit items
8	Certificate	Chemical & Biotech	• Writing & distributing the certificates • Signature of Heads & Principal

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INVITATION

AGENDA

08:30 am :	Registration
09:00 am :	Invocation
09:05 am :	Lighting of Kuthuvilaku
09:08 am :	Welcome Address
09:15 am :	Presidential Address
09:20 am :	Honouring the Chief Guest
09:30 am :	Souvenir Release
09:35 am :	Introduction of the Chief Guest
09:55 am :	Inaugural Address
10:00 am :	Vote of thanks
10:05 am :	Break
10:20 am :	Technical Events
12:30 pm :	Lunch Break
01:30 pm :	Non Technical Events
03:15 pm :	Valedictory
03:45 pm :	National Anthem

A REPORT ON NATIONAL LEVEL TECHNICAL SYMPOSIUM "BIOKEMIZ 2K23"

A National Level Technical symposium "BIOKEMIZ 2k23 "was organized by the Department of Chemical Engineering and Biotechnology on 12th April 2023. The Management, the Director, the Principal and the Dean (A) were very supportive in organizing this event. This student symposium paved way for the team building, leadership qualities and organizing skills among the fellow mates and department students.

The HOD'S and staff coordinators of the concerned departments guided the students about the structure of the symposium and elected a student co-ordinator from the final year to organize this event. On account of this, various committees are formed and students were grouped according to their interest. Various committees were working on for the smooth conduction of the symposium with full zeal.

The poster was designed with all the information about the events and important dates of the symposium. It was posted to various colleges in and around India. The events to be conducted are paper presentation, poster presentation, technical quiz and non technical events. The correspondence to the paper and poster presentation was sent to all the participants. The confirmed lists of the participants were prepared and confirmation mail was sent. Ms.R.L.Nivetha, senior process Engineer, Dow Chemicals has consented to be the Chief Guest. The arrangements for the symposium are vigorously done by the students and the stage has been set prior before the inaugural function.

The inaugural function of the Symposium started with a formal invocation at 9:30 AM with all the dignitaries on the Dias. The Master of ceremony was done by Lokesh Kumaran of third year Chemical Engineering and Pooja of final year Biotechnology. The Welcome address was given by M.Loganathan, student co-ordinator, Chemical Engineering. The lighting of the kuthuvilakku made the event divine and lamps were lighted by the dignitaries. The presidential address was given by our principal Dr.M.Chinnapandian. The felicitation of the Chief Guest, Director and Principal was done. The proceedings of the event were bounded in a souvenir and released by the chief Guest. The Chief Guest was introduced with the formal addressing. The speaker elaborated about the importance of Chemical engineering and Biotechnology. She explained about the flow sheeting and PID diagrams used for process simulation. The inaugural function of the event was ended with a vote of thanks proposed by Parkavi of final year Biotechnology.

After the inauguration, the technical events of paper and poster presentation started at the respective venues. About twenty-five participants from various colleges participated in the event. The participants were from Madha Engineering College, Prathyusha Engineering College and Veltech high-tech engineering college. In the afternoon session, technical quiz with preliminary round and final rounds were conducted. Non technical events were also conducted for all the registered participants.

The valedictory function was conducted in the evening at 3.30 pm with the formal addressing. The Certificates, cash prizes and the medals were distributed to all the prizes winners and participation certificates were distributed to all the participants. The event ended with the National anthem. The organizing team worked meticulously to make the symposium a grand success.

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Mrs. Taj Sabreen / Biotech
Staff coordinator

Ms. J. Keren Vinoliya / Chemical
Staff coordinator

Dr. B. A. Gowri Shankar
HoD / Biotech

Dr. S. Thenesh Kumar
HoD / Chemical

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Avadi, Chennai, Tamilnadu – 600 054

DATE: 08.05.2023

To

The Principal

Respected Sir,

Sub: Request permission for organising **GUEST LECTURE** - reg.

The Department of Chemical Engineering has planned to organise a **GUEST LECTURE** on **REFINERY OPERATIONS IN INDUSTRIES** on **10.05.2023** for **I, II, III & IV year** students of chemical department in **BLOCK VI – Seminar Hall**. In this regards, I request you to give permission to conduct the program. Kindly do the needful.

Thanking you,
Yours Faithfully,

Mrs. A. Arokia Pushpa Agal **HOD / CHEMICAL ENGG**

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Avadi, Chennai, Tamilnadu – 600 054

Ref No: SPCET / CIR / 2023-2024 / CHEM / GL / 001 **DATE: 08.05.2023**

Dear Students,

The Department of Chemical Engineering has planned to organise a **GUEST LECTURE** on **REFINERY OPERATIONS IN INDUSTRIES** on **10.05.2023** for **I, II, III & IV year** students of chemical engineering department in **BLOCK VI – Seminar Hall**. Students are requested to actively participate in the programme.

PRINCIPAL

Copy to:

Dean (A)
All department HOD
Notice board
Chairperson/Trustee/Secretary

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Avadi, Chennai, Tamilnadu – 600 054

DATE: 08.05.2023

To

Head of the Deaprtment,
EEE, SPCET

Respected Madam,

Sub: Request permission for using **BLOCK VI – Seminar hall** for **GUEST LECTURE** – reg.

The Department of Chemical Engineering has planned to organise a **GUEST LECTURE** on **REFINERY OPERATIONS IN INDUSTRIES** on **10.05.2023** for **I, II, III & IV year** students of chemical department in **BLOCK VI – Seminar Hall**. In this regards, I request you to give permission to conduct the program in the seminar hall. Kindly do the needful.

Thanking you,
Yours Faithfully,

Mrs. A. Arokia Pushpa Agal **HOD / CHEMICAL ENGG**

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Avadi, Chennai, Tamilnadu – 600 054

DATE: 08.05.2023

To

The Principal

Respected Sir,

Sub: Requesting permission for payment to conduct **GUEST LECTURE** - reg.

The Department of Chemical Engineering has planned to organise a **GUEST LECTURE** on **REFINERY OPERATIONS IN INDUSTRIES** on **10.05.2023** for **I, II, III & IV year** students of chemical department in **BLOCK VI – Seminar Hall**. In this regards, to conduct guest lecture I need **Rs. 2500/-** for remuneration of chief guest and also for other miscellaneous. I request you to give the payment to conduct the program. Kindly do the needful.

Thanking you,
Yours Faithfully,

Mrs. A. Arokia Pushpa Agal **HOD / CHEMICAL ENGG**

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College Road, Avadi, Chennai-600 054.

DEPARTMENT OF CHEMICAL ENGINEERING
&
IIChE STUDENT CHAPTER - SPCET

Organizes

A guest lecture on

"REFINERY OPERATIONS IN INDUSTRIES"

On 10.05.2023 @ 09:30 AM at BLOCK VI - SEMINAR HALL

Mr.M.R.Balasubramani

CHIEF MANAGER (retd.)
CHENNAI PETROLEUM CORPORATION LTD, Chennai
Chief Guest

Dr. M. CHINNAPANDIAN
Principal
will preside over the function

Dr. T. LASYA
Trustee

Dr. (Mrs). T. BANUMATHI
Chairperson

Dr. T. NAMRATHA
Trustee

Dr. S. POORNACHANDRA
Director – SPCET

Dr. K. PURUSHOTHAMAN
Dean(A) – SPCET

Mr. K. PRABU
Secretary

Ms. A. AROKIA PUSHPA AGAL
Assistant Professor
COORDINATOR

Dr. S. THENESH KUMAR
Professor & Head
CONVENOR

PROGRAMME SCHEDULE

9:30 AM : INVOCATION

9:35 AM : WELCOME ADDRESS

9:40 AM : PRESIDENTIAL ADDRESS

9:45 AM : HONOURING THE CHIEF GUEST

9:48 AM : INTRODUCTION OF THE CHIEF GUEST

9:50 AM : TECHNICAL SESSION BY THE CHIEF GUEST

12:20 AM : VOTE OF THANKS

12:25 AM : NATIONAL ANTHEM

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DEPARTMENT OF CHEMICAL ENGINEERING

GUEST LECTURE ON "REFINERY OPERATIONS IN INDUSTRIES"

PARTICIPANTS LIST

YEAR : IV YR **DATE :10:05:2023**

S.NO	REGISTER NUMBER	NAME OF THE STUDENTS
1	112719203001	AKASH R
2	112719203002	BHARATH V
3	112719203003	BOOMIKA K
4	112719203004	FREDRICK ROSHAN M
5	112719203005	JACK ALWIN A
6	112719203006	JAGADEESH E
7	112719203007	LOGANATHAN M
8	112719203008	MANIKANDAN R
9	112719203009	NAVEEN KUMAR J
10	112719203010	PHILSHIA THARO P
11	112719203011	PURUSHOTHAMAN R
12	112719203012	SAIRAM B
13	112719203013	SANTHOSH KUMAR S
14	112719203014	SARAVANAKUMAR K
15	112719203015	S SATHISH
16	112719203016	T SHIVA SUBRAMANI
17	112719203017	SHRINIVETHA S
18	112719203018	SILVYA V
19	112719203020	TONY FRANKLIN
20	112719203021	ULAGANATHAN A

PROGRAMME CO-ORDINATOR **HOD / Chemical**

[Mrs. A. AROKIA PUSPHA AGAL] **[Dr.S.THENESH KUMAR]**

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DEPARTMENT OF CHEMICAL ENGINEERING

GUEST LECTURE ON "REFINERY OPERATIONS IN INDUSTRIES"

PARTICIPANTS LIST

YEAR : III YR **DATE :10:05:2023**

S.NO	REGISTER NUMBER	NAME OF THE STUDENTS
1	112720203001	BALAJI S
2	112720203002	JAGADESH M
3	112720203004	LOKESH KUMARAN M N
4	112720203005	MADESH P
5	112720203006	PAVITHRA C
6	112720203007	PUJITA J
7	112720203008	SWETHA E
8	112720203009	YOGESHWARAN R S

PROGRAMME CO-ORDINATOR **HOD / Chemical**

[Mrs. A. AROKIA PUSPHA AGAL] **[Dr.S.THENESH KUMAR]**

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DEPARTMENT OF CHEMICAL ENGINEERING

GUEST LECTURE ON "REFINERY OPERATIONS IN INDUSTRIES"

PARTICIPANTS LIST

YEAR : II YR **DATE :10:05:2023**

S.NO	REGISTER NUMBER	NAME OF THE STUDENTS
1	112721203001	ANANDHA KRISHNAN M
2	112721203002	ARCHANA J
3	112721203004	GOKULAKRISHNAN K
4	112721203005	IRSHATH ALI M
5	112721203006	JEGADHISH M
6	112721203007	MONICA A
7	112721203008	NITHISH KUMAR S
8	112721203009	PRINCE P
9	112721203010	SIVAKARTHIKEYAN A
10	112721203011	SRIDHARAN P
11	112721203012	SWETHA S
12	112721203301	HEMNATH K
13	112721203303	PRASATH A

PROGRAMME CO-ORDINATOR **HOD / Chemical**

[Mrs. A. AROKIA PUSPHA AGAL] **[Dr.S.THENESH KUMAR]**

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SUMMARY REPORT

Name of the Programme : Guest Lecture on **" Refinery Operations in Industries**

Department : Chemical Engineering

Date : 10.05.2023

Time : 09:30 AM to 12:30 PM

No of participants : 41

Venue : Block VI Seminar hall

Details of the resource person: **Mr. M. R. Balasubtamani**
Chief Manager (Retd.)
Chennai Petroleum Corporation Limited (CPCL)

- This guest lecture was very conceptual about the Refineries operation in Chemical industry
- This guest lecture gave an idea about the importance of Mass transfer operations in Refineries
- The speaker technically elaborated the methodology and their utilities in industries
- The students learnt about the various refinery operations used in the chemical plants
- The students were given idea about opportunities and the courses available related to Refineries.

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Guest Lecture on ***"Refinery Operations in Industries - 10.05.2023***

Mrs. A. Arokia Pushpa Agal

Programme Coordinator

Dr. S.Thenesh Kumar

HOD / Chemical Engineering

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FEEDBACK FROM THE STUDENT

Date: 10/05/2023

1. Department : Chemical Engineering
2. Name of the Programme : Guest lecture on **"Refinery operation in Industries"**
3. Duration of Programme : 09:30 am - 12:30 pm [3 hours]
4. Name of the speaker : Ms. M. R. Balasubramani
5. Feedback of Student

(1. Poor 2.Satisfactory 3.Good 4.Very Good 5.Excellent)

i)	Contents of the Programme:	1	2	3	4	5
ii)	Organization of the Programme :	1	2	3	4	5
iii)	Topics covered:	1	2	3	4	5
iv)	Quality of Technical content:	1	2	3	4	5
v)	Overall Quality of the Training:	1	2	3	4	5
vi)	Any Suggestions :					

Signature:

Name:

Programme Co-ordinator

Head of the Department

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FEED BACK FROM THE CHIEF GUEST

Guest lecture on **"Refinery operation in Industries"**

23/01/2023

To

The Principal

Respected Sir

Sub: Permission to conduct Value Added Course - Reg.

The Department of Chemical Engineering offers a value-added course during the Academic Year 2022-2023. In this respect, kindly provide permission to conduct value-added courses in accordance with the schedule given below.

Course Code	Course Name	Period	Duration	Availability in Curriculum
CH2301	Industry Oriented Knowledge Building Program	30/01/2023 to 20/02/2023	34 Hours	No

Thanking you

Head of the Department
Department of Chemical Engineering

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DEPARTMENT OF CHEMICAL ENGINEERING

Circular

25/01/2023

Ref No: SPCET/Chemical/2022-2023/VAC/CH2301

The Department of Chemical Engineering has planned to conduct a Value Added Course from 30/01/2023 to 20/02/2023 for Chemical Engineering students on "CH2301 - Industry Oriented Knowledge Building Program". The duration of the course is 34 Hours. Students from other departments may enroll in the course if it is relevant to them and is open to anyone who is interested. The students are told to take advantage of the chance to learn more.

Venue: Block VI, Room No. 259

Course Coordinator

Head of the Department

Copy to:
Notice board

Dr. M.Chinnapandian,
Principal, SPCET

Dr. Mrs.T.Banumathi
Chairperson, SPCET

Dr. T.Lasya
Trustee, SPCET

Dr. T.Namratha
Trustee, SPCET

CONVENOR

Dr. S.Thenesh Kumar,
HoD Chemical Engineering, SPCET

COORDINATOR

Mrs. Sheeba Vinoliya Priyadharshini J
Assistant Professor, Chemical Engineering, SPCET

REGISTRATION DETAILS

Last Date for Registration : 29/01/2023

Registration Link : https://forms.gle/tGQjMbEryHtqNKWQ8

Assessment type : MCQ Based

Venue : Block VI, Room No. 259

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AVADI, CHENNAI - 600054.

Department of Chemical Engineering

Organizes

Value Added Course

On

Industry Oriented Knowledge Building Program

from 30/01/2023 to 20/02/2023

ABOUT THE INSTITUTION

St.Peter's College of Engineering and Technology, a co-educational college was established by Lakshmi Saraswathi Educational Trust in the year 2008. The college aims to impart training to students to develop their Intellectual powers, identify and cultivate interest and talents, and train them to become responsible and eminent citizens of india. The institution is spread over a sprawling campus with its calm surrounding, creating a study atmosphere. The invigorative and serene milieu of the institution is conducive for higher education.

ABOUT THE DEPARTMENT

The Department of Chemical Engineering was established in the year 2014 with an intake of 60 students. The B.Tech undergraduate program in Chemical Engineering is a semester based curriculum in basic sciences, process industries, Chemical Engineering concepts, Process control, Designing equipments and computer applications. The final semester gives them an opportunity for self-appraisal on what they learnt through the project work.

COURSE OUTCOMES

1) To analyze repeatability, precision and accuracy of the instruments

2) To understand the measurement techniques for pressure

3) To understand the measurement techniques for temperature

4) To understand the measurement techniques for flow and Level

5) To understand the measurement techniques for composition

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AVADI, CHENNAI- 600054.

Department of Chemical Engineering

Indian Institute of Chemical Engineers, SPCET-Student Chapter

Organizes

Value Added Course

On

Industry Oriented Knowledge Building Program

from 30/01/2023 to 20/02/2023

Venue: Block VI, Room No. 259

Dr. M.Chinnapandian,
Principal, SPCET

Dr. T.Lasya
Trustee, SPCET

Dr. Mrs.T.Banumathi
Chairperson, SPCET

Dr. T.Namratha
Trustee, SPCET

CONVENOR

Dr. S.Thenesh Kumar,
HoD Chemical Engineering, SPCET

COORDINATOR

Mrs. Sheeba Vinoliya Priyadharshini J
Assistant Professor, Chemical Engineering, SPCET

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DEPARTMENT OF CHEMICAL ENGINEERING

Course Code : CH2301

Course Name : Industry Oriented Knowledge Building Program

Course Coordinator : Mrs. Sheeba Vinoliya Priyadharshini J /AP /Chemical

Course Duration : 34 Hours

Academic Year : 2022-2023

Course Plan

Date	Day	Session	Speaker	Topic of
30/01/2023	MON	FN	Mr. S Stalin	Life cycle of a chemical plant
31/01/2023	TUE	FN	Mr. N.Nagarajan	Momentum Transfer Equipment
01/02/2023	WED	FN	Ms.S.Jeyanthi	Industrial Heat transfer equipment
02/02/2023	THU	FN	Mr. K. Rajan	Ultimate Protection & Safeguards
03/02/2023	FRI	FN	Mr. R.Ravi	Process Safety Management
06/02/2023	MON	FN	Mr. S Stalin	Operation of chemical plants
07/02/2023	TUE	FN	Mr. G.M.Williams	Process Simulation
08/02/2023	WED	FN	Mr. N.S. Murthy, Mr. McKinsey Mr. Umakanthan Anand	Asset Integrity
09/02/2023	THU	FN	Mr. R.Sri Ram	Safety permit system

10/02/2023	FRI	FN	Mr. S.Selvam	Accident reporting, Investigation, RCA
11/02/2023	SAT	FN	Mr. N.Ramadoss	Pollution monitoring&Control and Waste Management
13/02/2023	MON	FN	Dr. Surianarayanan	Emergency preparedness
14/02/2023	TUE	FN	Mr. M.Premkumar	HAZOP & SIL
15/02/2023	WED	FN	Mr. Narasinga Rao	Project management
16/02/2023	THU	FN	Mr. R.Ravi Mr. N.S.Murthy Mr. McKinsey	TQM & Six sigma
17/02/2023	FRI	FN	Mr. R.Sri Ram	Develop an entrepreneur in you and pursue your dreams.
20/02/2023	MON	FN	Ms.J.Sheeba Vinolia Priyadharshini	Assessment

Course Coordinator **HoD / Chemical Engineering** **Principal**

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DEPARTMENT OF CHEMICAL ENGINEERING

Course Code : CH2301

Course Name : Industry Oriented Knowledge Building Program

Course Coordinator : Mrs. Sheeba Vinoliya Priyadharshini J /AP /Chemical

Course Duration : 34 Hours

Academic Year : 2022-2023

Student Enrollment List

S.No.	Register Number	Student Name	Year	Student Signature
1	112720203001	BALAJI S	III	
2	112720203002	JAGADESH M	III	
3	112720203004	LOKESH KUMARAN M N	III	
4	112720203005	MADESH P	III	
5	112720203006	PAVITHRA C	III	
6	112720203007	PUJITA J	III	
7	112720203008	SWETHA E	III	
8	112720203009	YOGESHWARAN R S	III	
9	112721203001	ANANDHAKRISHNAN M	II	
10	112721203002	ARCHANA J	II	
11	112721203004	GOKULA KRISHNAN N	II	
12	112721203005	IRSHATH ALI M	II	
13	112721203006	JEGADHISH M	II	
14	112721203007	MONICA A	II	

15	112721203008	NITHISH KUMAR S	II	
16	112721203009	PRINCE P	II	
17	112721203010	SIVAKARTHIKEYAN A	II	
18	112721203011	SRIDHARAN P	II	
19	112721203012	SWETHA S	II	
20	112721203301	HEMNATH K	II	
21	112721203303	PRASATH A	II	

Course Coordinator **HoD / Chemical Engineering** **Principal**

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DEPARTMENT OF CHEMICAL ENGINEERING

Course Code : CH2301

Course Name : Industry Oriented Knowledge Building Program

Course Coordinator : Mrs. Sheeba Vinoliya Priyadharshini J /AP /Chemical

Course Duration : 34 Hours

Academic Year : 2022-2023

Resource Person Details

S.No.	Resource Person Name	External /Internal	Organisation
1	S.Stalin	External	Chem Skill Development Centre
2	Mr N Nagarajan	External	Chairman, Chennai Regional Centre, IIChE.
3	Rajan Kondappan	External	Director- Operations at Inherent Engineering
4	R.Ravi	External	Reliance Industries Limited
5	G.M.Williams	External	Sims info systems pvt ltd
6	N.S.Murthy	External	Reliance Industries Limited
7	Sriram Ramakrishnan	External	Senior HSE MANAGER at Indian Additives Limited
8	S.Selvam	External	Indian Additives Ltd.
9	N.Ramadoss	External	Quality Business Systems ltd
10	Dr.M.Surianarayanan	External	Sr. Principal Scientist, Head & Honorary Faculty - Anna University, CSIR-Central Leather Research Institute
11	M.Premkumar	External	Heading Process Safety function at Indian Additives Ltd.
12	Narasinga Rao	External	Chem Skill Development Centre
13	S.Jayanthi	External	Technip
14	J.Sheeba Vinolia Priyadharshini	Internal	Assistant Professor, Department of Chemical Engineering St.Peters College of Engineering & Technology

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Avadi, Chennai, Tamil Nadu - 600054

DEPARTMENT OF CHEMICAL ENGINEERING

Value Added Course - Report

Date: 22/02/2023

Ref No: SPCET/Chemical/2022-23/VAC/CH2301

Course Code and Name	: CH2301 - Industry Oriented Knowledge Building Program
Course Coordinator	: Mrs. J. Sheeba Vinoliya Priyadharshini /AP /Chemical
Course Duration	: 34 Hours
Course Type	: Self Framed Course, approved by Academic Council
Year Offered	: III Year & II Year of Chemical Engineering
Academic Year	: 2022-23
Course Period	: 30/01/2023 to 20/02/2023
Venue	: Block VI, Room No. 263,No of
Students Enrolled	: 21
No of Students Appeared	: 21No of
Students Passed	: 21

Course Outcome

1) To analyze repeatability, precision and accuracy of the instruments
2) To understand the measurement techniques for pressure
3) To understand the measurement techniques for temperature
4) To understand the measurement techniques for flow and Level
5) To understand the measurement techniques for composition

Assessment Mode

Schedule of Exam	: MCQ Type
Date of Exam	: 20/02/2023

Course outcome attainment

Course is successfully completed with the Attainment Level 1.

List of Feedback Questions

Q1: The instructor was well prepared for class

Q2: The instructor was organised and used class time efficiently

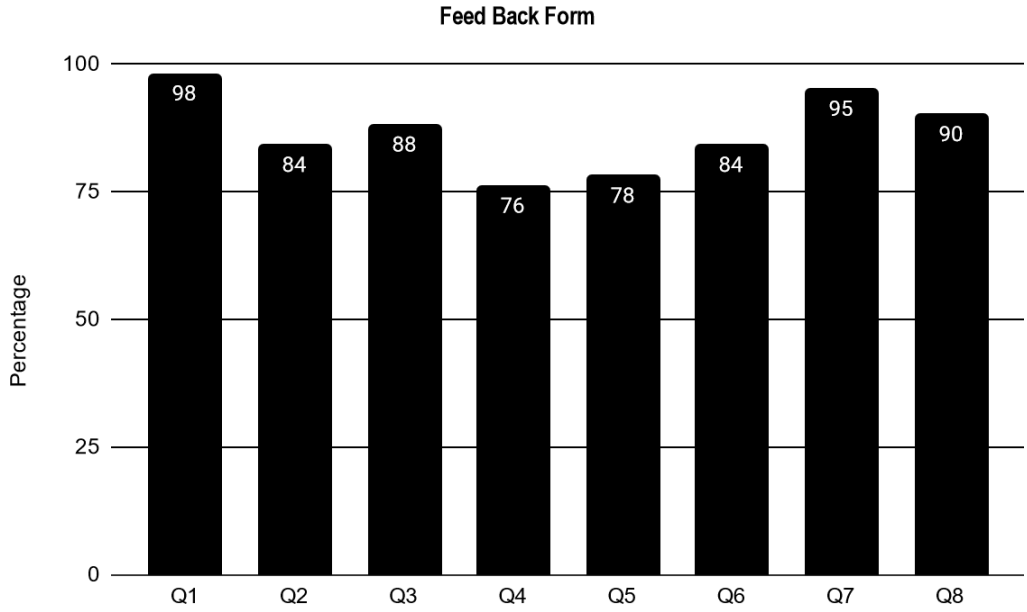
Q3: The instructor presented course material in a clear manner that facilitated understanding Q4: This class has increased my interest in this field of study

Q5: The readings were appropriate to the goals of the course

Q6: I have put a great deal of effort into advancing my learning in this course Q7: I would highly recommend this course to other students

Q8: The grading practices were fair

Course Feedback Analysis: The feedback from participants were obtained after the course completion and detailed feedback analysis were listed below**:**



The feedback comments obtained were put forth in the department meeting and discussed. The drawbacks will be rectified in the forthcoming value added courses.

Mrs. J. Sheeba Vinoliya Priyadharshini
Course Coordinator

Dr. S.Thenesh Kumar
Head of the Department

St. Peter's College of Engineering and Technology, Avadi, Chennai-54.

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai. ISO 9001-2015 Certified and Accredited by NAAC with 'A' Grade)

Department of Chemical Engineering & IIChE – SPCET Student Chapter

Course Completion Certificate

This Certificate is presented to

ARCHANA J

III Year - Department of Chemical Engineering

*has actively participated in 34 Hours - Value Added Course on "**CH2301 - Industry Oriented Knowledge Building Program**" organized by the Department of Chemical Engineering in association with IIChE-SPCET Student Chapter from 30/01/2023 to 20/02/2023.*

Mrs. Sheeba Vinoliya Priyadharshini J **Course Coordinator**	Dr. S.Thenesh Kumar **Professor and Head**	Dr. K.Purushothaman **Principal**

St. PETER'S

COLLEGE OF ENGINEERING AND TECHNOLOGY

Affiliated to Anna University | Approved by AICTE | NAAC with 'A' Grade | ISO 9001:2015 Certified

Avadi, Chennai, Tamilnadu - 600054

ECOCLUB ACTIVITIES

Clean Campus Drive

Clean Campus drive was organized by the Department of Chemical Engineering and Eco Chem club. The objective of the event is to promote awareness among students relating to the usage of one time plastic and its effect on the environmental degradation. Clean campus drive was conducted for two days.

The students of II years, III years and IV years were involved in collecting plastics such as pet bottles, small plastics in and around the college campus. The students divided themselves as a team and they were provided with gloves and collection bags.

After the end of two days fifty kg of one time plastics was collected and given to pollution control board through G.S. Enterprises for recycling. The students those who were involved are encouraged with a certificate and plant saplings. The Best team was identified based on their collection of maximum number of plastics.

The students were given awareness about the usage of plastics and how to minimize the usage and save the environment.

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ENVIRONMENTAL AWARENESS PROGRAMME

Environmental Awareness Programme organized by the Department of Chemical Engineering and Eco Chem club on account of Environmental day

The theme of the programme was "Avoid plastic pollution and make a revolution".

The Programme was conducted to create social responsibility among the students regarding the usage of plastics and its impact on ecosystem. In this regard, **Mr Acharya V.C. Malarmannan, Founder of Great India Movement was the Chief Guest**. The Programme was started with a formal invocation and the Director, Dr.S. Poornachandra honoured the event, the Principal Dr.M. Chinnapandian preside over the function and Dean Dr. K. Purushothaman graced the occasion. The Chief guest gave speech to the students about the awareness to students about the non degradability of plastics, consumption of plastics covers by animals, micro plastics in the oceans . He also emphasized the importance of recycling of the plastics and converting into useful products. About 100 students from various departments and faculties participated in the programme.

The saplings were distributed to the students commerating the event. A video was played about the effects of plastics affecting the livelihood and also the responsibility of the students in preventing plastic pollution and youth to make the revolution.

List of Students undertaking Project Work for the AcademicYear 2022-2023

Program Name: Chemical Engineering **Program Code:** 203

PROJECT BATCHLIST (2022-2023)

Batch No	Register No	Name of the Student	Title of the project	Supervisor
1	112719203003	BOOMIKA K	Method development and valodation for determination of free ferrate using N, N' - diethyl - p -phenylenediamine (DPD) Reagent	Ms. J.Keren Vinoliya Ebenezer /AP /Chemical
	112719203017	SHRINIVETHA S		
2	112719203010	PHILSHIA THARO P	Production of Ferrate Tablets for Water Treatment	Dr. S.Thenesh Kumar /Prof&Head /Chemical
	112719203018	SILVYA V		
3	112719203014	SARAVANAKUMAR K	Design of Paddle Dryer to produce Fly Ash from sludge using Flue Gas	Dr. S.Thenesh Kumar /Prof&Head /Chemical
4	112719203005	JACK ALWIN A	Increasing the conversion rate of Linear Alkyl Benzene Sulphonic Acid using ageing tank	Mrs.J.Sheeba Vinolia Priyadharshini /AP /Chemical
	112719203008	MANIKANDAN R		
	112719203012	SAIRAM B		
5	112719203001	AKASH R	Production of Biofuel using pyrolysis process and modelling using ASPEN PLUS software	Mr. T.T.Israel /AP /Chemical
	112719203006	JAGADEESH E		
	112719203007	LOGANATHAN M		
6	112719203011	PURUSHOTHAMAN R	Fabrication of boiler with automated sensor	Mrs.J.Sheeba Vinolia Priyadharshini /AP /Chemical
	112719203020	TONY FRANKLIN		
	112719203021	ULAGANATHAN A		
7	112719203002	BHARATH V	Degradative Transesterification of Terephthalate polyesters to obtain DOTP Plasticizers for flexible PVC	Mrs.A.Arokia Pushpa Agal /AP /Chemical
	112719203013	SANTHOSH KUMAR S		
	112719203015	SATHISH S		
8	112719203004	FREDRICK ROSHAN M	Design of Adiabatic system and its improvement	Mrs.A.Arokia Pushpa Agal /AP /Chemical
	112719203009	NAVEEN KUMAR J		
	112719203016	T SHIVA SUBRAMANI		

DEGRADATIVE TRANSESTERIFICATION OF TEREPHTHALATE POLYESTERS TO OBTAIN DOTP PLASTICIZER FOR FLEXIBLE PVC

A PROJECT REPORT

Submitted by

V.BHARATH	**112719203002**
S. SANTHOSH KUMAR	**112719203013**
S. SATHISH	**112719203015**

in partial fulfillment for the award of the degree

of

BACHELOR OF TECHNOLOGY

in

CHEMICAL ENGINEERING

St. PETER'S COLLEGE OF ENGINEERING AND TECHNOLOGY, AVADI

ANNA UNIVERSITY, CHENNAI-600 025

MAY- 2023

ANNA UNIVERSITY :: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "**DEGRADATIVE TRANSESTERIFICATION OF TEREPHTHALATE TO OBTAIN DIOCTYL TEREPHLATE FOR FLEXIBLE PVC**" is the bonafide work of "**BHARATH V(112719203002), SANTHOSH KUMAR (112719203013)** and **SATHISH (112719203015)**" who carried out the project work under my supervision.

17/5/23

SIGNATURE

Dr. S. Thenesh Kumar, M.Tech, Ph.D

HEAD OF THE DEPARTMENT

Professor,

Department of Chemical Engineering,

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17/5/23

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Ms. S. Arokiya Pushpa Agal M.Tech,

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Submitted for the Project Viva Voce Examination held at 17/5/23

17/5/23

INTERNAL EXAMINER

17/05/23

EXTERNAL EXAMINER

ABSTRACT

This project focuses on the production of DOTP plasticizer for flexible PVC through the degradation of terephthalate polyesters via transesterification. The aim is to develop a method that is both efficient and economically viable. The project involves a literature review to identify the current state of research on the subject, as well as the design and execution of experiments to test the effectiveness of the proposed method. The resulting product will be analyzed using various analytical techniques, and an economic analysis will be conducted to determine the viability of the method for commercial production.

CHAPTER 8

CONCLUSION

In conclusion, the production of Dioctyl Terephthalate (DOTP) via the degradative transesterification process offers several benefits as a plasticizer for flexible PVC. The project focuses on converting Terephthalate Polyesters into DOTP through a chemical reaction using methanol and catalysts. Throughout the project, various aspects such as the process description, mass balance, energy balance, safety measures, and literature review are considered.DOTP finds wide applications in industries such as automotive, construction, packaging, and healthcare due to its excellent plasticizing properties and compatibility with PVC. It enhances the flexibility, durability, and mechanical properties of PVC while reducing the migration and environmental concerns associated with traditional plasticizers like phthalates.

DESIGN OF AN ADIABATIC SYSTEM AND ITS IMPROVEMENTS

A PROJECT REPORT

Submitted by

NAVEEN KUMAR J	**112719203009**
FREDRICK ROSHAN M	**112719203004**
SHIVA SUBRAMANI T	**112719203016**

in partial fulfillment for the award of the degree

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in

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St. PETER'S COLLEGE OF ENGINEERING AND TECHNOLOGY, AVADI

ANNA UNIVERSITY CHENNAI-600 025

MAY- 2023

ANNA UNIVERSITY CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "**DESIGN OF AN ADIABATIC SYSTEM AND ITS IMPROVEMENTS**" is the bonafide work of "**NAVEENKUMAR J (112719203009), FREDRICK ROSHAN M (112719203004)** and **SHIVASUBRAMANI T (112719203016)**" who carried out the project work under my supervision.

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Submitted for the Project Viva Voce Examination held at 17/5/23

17/5/23

INTERNAL EXAMINER

17/05/23

EXTERNAL EXAMINER

ABSTRACT

The project aims to develop a mini fridge utilizing insulated phase change material in an adiabatic system. The mini fridge is designed to provide efficient cooling using the latent heat absorption and release properties of the phase change material. The insulated design ensures minimal heat transfer to the surroundings, improving energy efficiency. The project involves selecting and procuring the phase change material, designing and manufacturing the fridge with appropriate insulation, and implementing an adiabatic system for optimal cooling performance. The project also considers process safety measures and evaluates the process economics. The outcome of the project is a compact and energy-efficient mini fridge that offers effective cooling while minimizing energy consumption and operating costs.

CHAPTER 10

CONCLUSION

The project focused on the manufacturing of a mini fridge using insulated phase change material in an adiabatic system. Through careful design and implementation, the project successfully developed an energy-efficient cooling solution. The mini fridge utilizes the latent heat absorption and release properties of the phase change material, resulting in effective temperature control. The incorporation of insulation minimizes heat transfer to the surroundings, ensuring optimal energy efficiency. Safety measures were implemented throughout the project to ensure the secure handling of materials and the overall manufacturing process. Additionally, a process economics estimation provided valuable insights into the project's cost-effectiveness. Overall, the project achieved its objectives by delivering a compact, energy-efficient, and cost-effective mini fridge that meets the cooling needs while prioritizing energy conservation and user safety.

Method Development and Validation for Determination of Free Ferrate Using N, N′-diethyl-p-phenylenediamine (DPD) Reagent

A PROJECT REPORT

Submitted by

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S. SHRINIVETHA (112719203017)

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MAY- 2023

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Certified that this project report "**METHOD DEVELOPMENT AND VALIDATION FOR DETERMINATION OF FREE FERRATE USING N, N'-DIETHYL-P-PHENYLENEDIAMINE (DPD) REAGENT**" is the bonafide work of "**SHRINIVETHA S (112719203017)** and **BOOMIKA K (112719203003)**" who carried out the project work under my supervision.

17/05/2023

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Submitted for the Project Viva Voce Examination held at 17-05-2023.

17/5/23

INTERNAL EXAMINER

17/05/23

EXTERNAL EXAMINER

ABSTRACT

Ferrate is a powerful oxidant and coagulant that has the potential to revolutionize water treatment processes. However, the accurate and reliable analysis of ferrate in water is essential for its effective application in the water industry. This study focuses on the development and validation of a method for the analysis of free ferrate in water using the DPD reagent. A new method for the determination of low concentrations (0.5-2.2 mg/µl) of the aqueous ferrate (Fe (VI)) was developed. The method is based on the reaction of Fe (VI) with N, N′-Diethyl-P-Phenylenediamine Reagent (DPD) which forms a pink color that can be measured spectrophotometrically at 510 nm (DPD method). The increase in absorbance at 510 nm for DPD generation was linear with respect to Fe (VI) added (0.5-2.2 mg/µl) in phosphate buffered solutions. This enables the DPD method to measure Fe (VI) selectively. The residual absorbance of DPD was found to be stable in several water matrices (Phosphate buffer solution and natural waters) and concentrations of Fe (VI) spiked in natural waters could be determined with high accuracy. The developed method was validated using several parameters, including accuracy, precision, linearity, and sensitivity, to ensure that it met the required performance criteria. The developed method was successfully applied for the analysis of free ferrate in different water bodies, including drinking water, surface water, and wastewater. The developed method offers several advantages, including simplicity, sensitivity, and specificity, making it a reliable tool for ferrate analysis.

7. CONCLUSION

In conclusion, the development and validation of a method for the analysis of free ferrate in water using the DPD reagent is a critical process that has significant implications for environmental monitoring, water treatment, and public health. This method for the determination of low concentrations (0.5-2.2 mg/µl) of the aqueous ferrate (Fe (VI)) was developed. The method is based on the reaction of Fe (VI) with N, N'-Diethyl-P-Phenylenediamine Reagent (DPD) which forms a pink colour that can be measured spectrophotometrically at 510 nm (DPD method). The increase in absorbance at 510 nm for DPD generation was linear with respect to Fe (VI) added (0.5-2.2 mg/µl) in phosphate buffered solutions. This enables the DPD method to measure Fe (VI) selectively. The residual absorbance of DPD was found to be stable in several water matrices (Phosphate buffer solution and natural waters) and concentrations of Fe (VI) spiked in natural waters could be determined with high accuracy. Through, this method, accurate and reliable results can be obtained for a wide range of ferrate concentrations in various water matrices. The development and validation of this method provide a reliable tool for the analysis of free ferrate in water, enabling better understanding and management of water quality and public health concerns related to ferrate. The application of this method in the water industry and research can lead to improvements in water treatment processes and environmental protection efforts.

PRODUCTION OF BIOFUEL USING PYROLYSIS PROCESS AND MODELLING USING ASPEN PLUS SOFTWARE

A PROJECT REPORT

Submitted by

AKASH R	**112719203001**
JAGADEESH E	**112719203006**
LOGANATHAN M	**112719203007**

in partial fulfillment for the award of the degree

of

BACHELOR OF TECHNOLOGY

in

CHEMICAL ENGINEERING

St. PETER'S COLLEGE OF ENGINEERING AND TECHNOLOGY, AVADI

ANNA UNIVERSITY :: CHENNAI-600 025

MAY- 2023

ANNA UNIVERSITY :: CHENNAI 600 025

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Certified that this project report **PRODUCTION OF BIOFUEL USING PYROLYSIS PROCESS AND MODELLING USING ASPEN PLUS SOFTWARE** is the bonafide work of **AKASH R (112719203001), JAGADEESH E (112719203006) and LOGANATHAN M (112719203007)** who carried out the project work under my supervision.

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Submitted for the project viva voce Examination held on 17/05/2023

17/5/23

INTERNAL EXAMINER

17/05/23

EXTERNAL EXAMINER

ABSTRACT

The production of biofuels using pyrolysis process is a promising alternative to conventional fossil fuels .In this process, Pyrolysis is a thermochemical conversion process that involves the heating of biomass in the absence of oxygen to produce bio-oil, biochar, and syngas .The biofuels produced from pyrolysis have the potential to reduce greenhouse gas emissions and provide a sustainable alternative to fossil fuels.. Biofuels are increasingly gaining attention as a renewable source of energy due to their lower carbon footprint compared to traditional fossil fuels. One such biofuel, produced using the pyrolysis process, has shown promising results in terms of its potential to replace conventional fuels .This process involves heating biomass materials in the absence of oxygen, resulting in the production of bio-oil, bio-char, and syngas. The bio-oil can be further refined into a transportation fuel, while bio-char and syngas can be used as solid fuel and feedstock for other processes, respectively .The study evaluates the optimal pyrolysis conditions, such as temperature, pressure, and residence time, for producing high-quality biofuels from sawdust .The results demonstrate that pyrolysis is a viable method for the production of biofuels from biodegradable waste, and Aspen Plus is a process simulation software, a valuable tool for process optimization and simulation. It can be used to model and optimise the pyrolysis process.

This paper presents a study on the production of biofuels using pyrolysis process and the modelling of the process using Aspen Plus.

CHAPTER 7

CONCLUSION

The production of biofuel using sawdust as a biomass feedstock through the pyrolysis process has the potential to provide a sustainable and renewable source of energy. Pyrolysis involves the thermal decomposition of the sawdust at high temperatures in the absence of oxygen, resulting in the production of bio oil, biochar, and syngas.The quality and yield of the bio oil and biochar produced are influenced by several factors, including the characteristics of the feedstock, pyrolysis process parameters, reactor design, catalysts and additives, and post-processing techniques. Therefore, careful selection and optimization of these factors are critical to achieving high-quality bio oil and biochar with desirable properties and applications.

- Bio oil produced from sawdust can be used as a fuel to reduce greenhouse gas emissions and dependence on fossil fuels.
- Biochar produced from sawdust can be used as a soil amendment to enhance soil fertility and carbon sequestration.

The production of biochar and bio oil from sawdust through pyrolysis can provide a solution to the problem of waste management. Further research is needed to optimize the process and develop cost-effective and scalable solutions for commercial applications.

PRODUCTION OF FERRATE TABLET FOR WATER TREATMENT

A PROJECT REPORT

Submitted by

PHILSHIA THARO P (112719203010)

SILVYA V (112719203018)

In partial fulfilment for the award of the degree

Of

BACHELOR OF TECHNOLOGY

IN

CHEMICAL ENGINEERING

ST. PETER'S COLLEGE OF ENGINEERING AND TECHNOLOGY

AVADI, CHENNAI - 54

ANNA UNIVERSITY :: CHENNAI 600 054

MAY 2023

ANNA UNIVERSITY:: CHENNAI 600 054

BONAFIDE CERTIFICATE

Certified that this project report **"PRODUCTION OF FERRATE TABLETS FOR WATER TREATMENT"** Is the bonafide work of **"PHILSHIA THARO P (112719203010), SILVYA V (112719203018)"** Who carried out the project work under my supervision.

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Submitted for the project viva voice Examination held at 17-05-23

17/5/23

INTERNAL EXAMINER

17/05/23

EXTERNAL EXAMINER

ABSTRACT

A ferrate tablet is a promising alternative for water treatment due to its unique properties, including high oxidative power, stability, and ease of handling. Ferrate tablets can efficiently remove various pollutants, including organic compounds, bacteria, and viruses, from water sources. Use of ferrate as an alternate coagulant for the large-scale water treatment has been studied and reported in this thesis. More stringent water standards and increasing pollution in raw water sources have motivated to seek new and advanced technologies for water treatment and this is the aim of this study. The tablets are made by compressing powdered ferrate salts with a effervescent, resulting in a stable and easy-to-use form. In this abstract, we review the current state of research on ferrate tablets for water treatment, including their effectiveness, mechanism of action, and potential applications. We also discuss the challenges and opportunities associated with the use of ferrate tablets for water treatment scalability, and environmental impact. Overall, ferrate tablets show great promise as a sustainable and effective solution for water treatment, with the potential to address a range of global water challenges.

5 . CONCLUCTION

In conclusion, the development of an effervescent ferrate tablet for water treatment is a promising approach to improving the efficiency and convenience of water treatment processes. Ferrate is a strong oxidizing agent that can effectively remove contaminants from water, while the effervescence of the tablet can help to promote the dissolution of the ferrate and increase its surface area, leading to more efficient oxidation of contaminants in water.

The effervescent ferrate tablet can also be designed to release the ferrate and effervescent components at a controlled rate, ensuring optimal oxidation and effervescence. Additionally, the tablet can be formulated to contain coagulant aids or pH buffers, further enhancing its effectiveness in water treatment applications.

The effervescent ferrate tablet has the potential to be a convenient and effective way to deliver ferrate for water treatment applications, potentially reducing the required dosage of ferrate and improving treatment efficiency. However, further research is needed to optimize the stability, dissolution properties, and effectiveness of the tablet for different water treatment applications and conditions. Overall, the development of an effervescent ferrate tablet is a promising innovation in the field of water treatment that has the potential to improve the quality and accessibility of safe drinking water for communities around the world.

Ferrate provides an excellent possibility in drinking water treatment when comes toutilizing existing resources and is still able to meet future water quality standards. Ferrate tablets can be produced and it increases the stability. Major disadvantage in using ferrate commercially will be the cost, but it can be overcome with more research works related to ferrate production.

The studies results (TS, TDS, Turbidity, pH, Conductivity, coliform, dissolution and distribution, stability) of ferrate composite tablets gave better results when compared to the tablets which are made only with ferrate. When ferrate composite tablets are used in the water sample the dissolution & distribution rate are higher (takes 30sec) when compared to the ferrate tablets(takes 3mins) .With higher dissolution rate the reaction time of ferrate will be faster and also pH of the water samples are balanced better when treated with ferrate composite. So we conclude that the tablets made with ferrate, effervescent and coagulant aid are more effective than the tablets made only with ferrate.

Design of Paddle Dryer for Sludge Disposal Using Flue Gas

A PROJECT REPORT

Submitted by

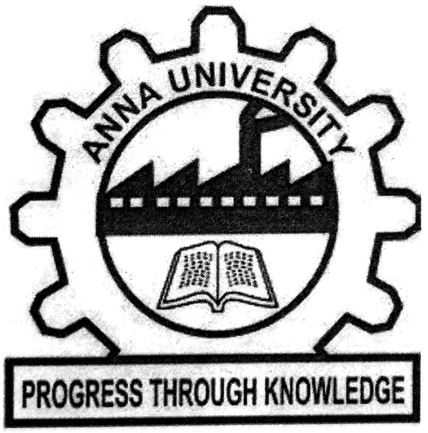
K. SARAVANA KUMAR 112719203014

In partial fulfilment for the award of the degree of

BACHELOR OF TECHNOLOGY

IN

CHEMICAL ENGINEERING



St. PETER'S COLLEGE OF ENGINEERING AND TECHNOLOGY

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ANNA UNIVERSITY: CHENNAI 600 025

MAY 2023

ANNA UNIVERSITY :: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "**Design of Paddle Dryer for Sludge disposal Using Flue Gas**" is the bonafide work of "SARAVANA KUMAR K (112719203014)" who carried out the project work under my supervision.

17/5/23

SIGNATURE

DR.S.Thenesh Kumar, M.Tech, Ph.D,

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17/5/23

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Submitted For the Project Viva Voce Examination Held On 17.05.2023

17/5/23

INTERNAL EXAMINER

17/05/23

EXTERNAL EXAMINER

Abstract

In the pharmaceutical industry the disposal of sludge is difficult as it contains pollutants. There are two methods in which sludge is disposed using Bio enzyme and multiple effect evaporator. These two methods are ineffective due to high amount of organic and inorganic contaminants. The flue gas method which can be used to treat the effluent using paddle dryer. Paddle dryers are highly efficient, mechanically stirred, indirect heat transfer devices that can add or remove heat from process materials. The intermeshing motion of the paddle ensures uniform and constant mixing of the material is continuous or batch operation. The utility plant flue gas was used to remove the moisture content. By applying this process steam economy was improved. By analysis for efficient process the paddle dryer was designed with an increase in area and number of plates. After analysis the moisture content has decreased from 80% to 8%. Amount of sludge is decreased so this method is suggested for the safe disposal of pharma industrial sludge.

8. Conclusion

In conclusion, the paddle dryer has been designed efficiently with a high conversion rate. By incorporating this paddle dryer, moisture in the sludge can be reduced from 80% to 8%. The area of the paddle dryer and parameters of the design, as well as the number of paddles determined, are all provided in the report and their mass and energy balance has been accomplished in an effective manner. The safe operation of a paddle dryer for sludge disposal utilising flue gas necessitates the implementation of many safety measures. Proper ventilation, explosion protection, temperature monitoring, and material handling safety are among these procedures. These safety measures should be implemented into the dryer's design and operation to ensure crew safety and prevent catastrophic accidents. Regular inspections and maintenance are also required to guarantee that the safety measures are functional. The use of paddle dryers for sludge disposal can be a safe and efficient form of waste management if these safety guidelines are followed.

INCREASING THE CONVERSION RATE OF LINEAR ALKYL BENZENE SULPHONIC ACID USING AGEING TANK

A PROJECT REPORT

Submitted by

JACK ALWIN A	**112719203005**
MANIKANDAN R	**112719203008**
SAIRAM B	**112719203012**

in partial fulfillment for the award of the degree

of

BACHELOR OF TECHNOLOGY

in

CHEMICAL ENGINEERING

St. PETER'S COLLEGE OF ENGINEERING AND TECHNOLOGY, AVADI

ANNA UNIVERSITY :: CHENNAI-600 025

MAY- 2023

ANNA UNIVERSITY :: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "**INCREASING THE CONVERSION RATE OF LINEAR ALKYL BENZENE SULPHONIC ACID USING AGEING TANK**" is the bonafide work of "**JACKALWIN A (112719203005), MANIKANDAN R (112719203008)** and **SAIRAM B (112719203012)**" who carried out the project work under my supervision.

17/05/2023

SIGNATURE

Dr. S. Thenesh Kumar, M.Tech, Ph.D

HEAD OF THE DEPARTMENT

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Ms. J. Sheeba Vinolia M.Tech,

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St. Peter's College of Engineering and Technology

Avadi, Chennai-54

Submitted for the Project Viva Voce Examination held at 17/05/2023

17/5/23

INTERNAL EXAMINER

17/05/23

EXTERNAL EXAMINER

ABSTRACT

Linear alkyl benzene sulphonic acid (LABSA) is a synthetic chemical surfactant, which is widely used in industrial detergents. It is used in washing powder, detergent powder, oil soap, cleaning powder and detergent cake. Linear alkyl benzene sulphonic acid (LABSA) was manufacturing using sulphonating linear alkylbenzene (LAB) with sulfur trioxide (So_3). The conversion rate of LAB to LABSA was found to be 79% and the remaining was found to be unconverted. Therefore, in order to utilize the unconverted product and increase the efficiency of the process a conventional method was proposed. The Disadvantage of the previous method was found to be a temperature of 720°C in falling film reactor preventing the higher conversion of LABSA. In this project, shell and tube heat exchanger was redesigned with increase in heat transfer area enabling increase in the conversion rate. The Redesign of falling film reactor was found to be costlier, therefore an ageing tank was designed to decrease the cost and increase in the conversion rate. The production rate was increased by implementing the above change in the conventional process. Thereby the overall conversion rate was increased from 79 to 91 % and the efficiency of the process also was increased.

CHAPTER 10

CONCLUSION

Linear alkyl benzene sulphonic acid (LABSA) was manufacturing using sulphonating linear alkylbenzene (LAB) with sulfur trioxide (So_3). The conversion rate of LAB to LABSA was found to be 80% and the remaining was found to be unconverted. Therefore, in order to utilize the unconverted product and increase the efficiency of the process a conventional method was proposed. The Disadvantage of the previous method was found to be a temperature of 720°C in falling film reactor preventing the higher conversion of LABSA. In this project, shell and tube heat exchanger was redesigned with increase in heat transfer area enabling increase in the conversion rate. The Redesign of falling film reactor was found to be costlier, therefore an ageing tank was designed to decrease the cost and increase in the conversion rate. The production rate was increased by implementing the above change in the conventional process. Thereby the overall conversion rate was increased from 80 to 91 % and the efficiency of the process also was increased.

FABRICATION OF BOILER WITH AUTOMATED SENSOR

A PROJECT REPORT

Submitted by

PURUSHOTHAMAN.R	**112719203011**
TONY FRANKLIN.F	**112719203020**
ULAGANATHAN.A	**112719203021**

in partial fulfillment for the award of the degree

of

BACHELOR OF TECHNOLOGY

in

CHEMICAL ENGINEERING

St. PETER'S COLLEGE OF ENGINEERING AND TECHNOLOGY, AVADI

ANNA UNIVERSITY, CHENNAI 600 025

MAY-2023

ANNA UNIVERSITY :: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "**FABRICATION OF BOILER WITH AUTOMATED SENSOR**" is the bonafide work of "**PURUSHOTHAMAN R (112719203011), TONY FRANKLIN F (112719203020)** and **ULAGANATHAN A (112719203021)**" who carried out the project work under my supervision.

17/5/23

SIGNATURE

Dr. S. Thenesh Kumar, M.Tech, Ph.D

HEAD OF THE DEPARTMENT

Professor,

Department of Chemical Engineering

St.Peter's College of Engineering and Technology

Avadi, Chennai-54

SIGNATURE

Ms. J. Sheeba Vinolia, M.Tech.,

SUPERVISOR

Assistant Professor,

Department of Chemical Engineering

St.Peter's College of Engineering and Technology

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Submitted for the Project Viva Voce Examination held at 17/05/2023

17/5/23

INTERNAL EXAMINER

17/05/23

EXTERNAL EXAMINER

ABSTRACT

A Boiler is a type of device used to heat water or other fluids, typically for use in heating systems, hot water supply, or industrial processes. Boilers work by heating water or other fluids to generate steam, which can then be used for heating or to power turbines for electricity generation. In our heat transfer laboratory, the electric boiler was found to be not working due to corrosion and improper working of pressure gauge. In this project, the Electric boiler in the Heat transfer laboratory was examined and the troubleshooting was identified. The Electric boiler was redesigned and fabricated with changes such as Blow down valve, pressure gauge, Level glass, safety valve, heating coil and a water level controller with automated sensor. The fabricated boiler was attached to the Vertical condenser in heat transfer laboratory. The readings were taken and the working condition was checked. Thus the Boiler was fabricated with automated the level control using sensor and was found to be efficient .

CHAPTER 7

CONCLUSION

. In our heat transfer laboratory, the electric boiler was found to be not working due to corrosion and improper working of pressure gauge. In this project, the Electric boiler in the Heat transfer laboratory was examined and the troubleshooting was identified. The Electric boiler was redesigned and fabricated. The fabrication of an electric boiler with a Mobrey float ball sensor, safety valve, 0.5 HP motor pump, and level controller switch provides a robust and reliable solution for efficient and safe boiler operation. The Mobrey float ball sensor enables precise monitoring and control of the water level, ensuring optimal performance and preventing potential issues such as water shortages or overflow. The safety valve acts as an essential safety measure, releasing excess pressure to prevent any potential damage or accidents. The 0.5 HP motor pump automates the water filling process, reducing manual intervention and maintaining a constant water level, enhancing efficiency and convenience. The level controller switch offers an additional layer of control and protection by regulating the operation of the boiler based on the water level. Together, these components create a well-integrated system that maximizes safety, efficiency, and reliability in the operation of the electric boiler. The fabrication of this comprehensive setup ensures smooth and hassle-free boiler performance, minimizing the risk of operational issues. The fabricated boiler was attached to the Vertical condenser in heat transfer laboratory. The readings were taken and the working condition was checked. Thus the Boiler was fabricated with automated the level control using sensor and was found to be efficient .

St. PETER'S COLLEGE OF ENGINEERING AND TECHNOLOGY :: CHENNAI

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai.
Accredited by NAAC with 'A' Grade and ISO 9001:2015 Certified Institution)

List of Students undertaking Project Work for the Academic Year 2022-2023

Program Name: Chemical Engineering **Program Code:** 203

INDUSTRIAL PROJECT BATCHLIST (2022-2023)

Batch No	Register No	Name of the Student	Title of the project	Supervisor
1	112719203014	SARAVANAKUMAR K	Design of Paddle Dryer to produce Fly Ash from sludge using Flue Gas	Dr. S.Thenesh Kumar /Prof&Head /Chemical
2	112719203005	JACK ALWIN A	Increasing the conversion rate of Linear Alkyl Benzene Sulphonic Acid using ageing tank	Mrs.J.Sheeba Vinolia Priyadharshini /AP /Chemical
	112719203008	MANIKANDAN R		
	112719203012	SAIRAM B		
	112719203006	JAGADEESH E		
	112719203007	LOGANATHAN M		
3	112719203002	BHARATH V	Degradative Transesterification of Terephthalate polyesters to obtain DOTP Plasticizers for flexible PVC	Mrs.A.Arokia Pushpa Agal /AP /Chemical
	112719203013	SANTHOSH KUMAR S		
	112719203015	SATHISH S		
	112719203009	NAVEEN KUMAR J		
	112719203016	T SHIVA SUBRAMANI		

DEGRADATIVE TRANSESTERIFICATION OF TEREPHTHALATE POLYESTERS TO OBTAIN DOTP PLASTICIZER FOR FLEXIBLE PVC

A PROJECT REPORT

Submitted by

V.BHARATH	**112719203002**
S. SANTHOSH KUMAR	**112719203013**
S. SATHISH	**112719203015**

in partial fulfillment for the award of the degree

of

BACHELOR OF TECHNOLOGY

in

CHEMICAL ENGINEERING

St. PETER'S COLLEGE OF ENGINEERING AND TECHNOLOGY, AVADI

ANNA UNIVERSITY, CHENNAI-600 025

MAY- 2023

ANNA UNIVERSITY :: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "**DEGRADATIVE TRANSESTERIFICATION OF TEREPHTHALATE TO OBTAIN DIOCTYL TEREPHLATE FOR FLEXIBLE PVC**" is the bonafide work of "**BHARATH V(112719203002), SANTHOSH KUMAR (112719203013)** and **SATHISH (112719203015)**" who carried out the project work under my supervision.

17/5/23

SIGNATURE

Dr. S. Thenesh Kumar, M.Tech, Ph.D

HEAD OF THE DEPARTMENT

Professor,

Department of Chemical Engineering,

St. Peter's College of Engineering and Technology

Avadi, Chennai-54

17/5/23

SIGNATURE

Ms. S. Arokiya Pushpa Agal M.Tech,

SUPERVISOR

Assistant Professor,

Department of Chemical Engineering,

St. Peter's College of Engineering and Technology

Avadi, Chennai-54

Submitted for the Project Viva Voce Examination held at 17/5/23

17/5/23

INTERNAL EXAMINER

17/05/23

EXTERNAL EXAMINER

ABSTRACT

This project focuses on the production of DOTP plasticizer for flexible PVC through the degradation of terephthalate polyesters via transesterification. The aim is to develop a method that is both efficient and economically viable. The project involves a literature review to identify the current state of research on the subject, as well as the design and execution of experiments to test the effectiveness of the proposed method. The resulting product will be analyzed using various analytical techniques, and an economic analysis will be conducted to determine the viability of the method for commercial production.

+918190909007 info.chemistuff@gmail.com

ACLE INK

CHEMI STUFF

DATE: 17.05.2023

CERTIFICATE

This is to certify that **Mr.V BHARATH Reg No:112719203002** a student of final year B.Tech /Chemical Engineering from St.Peter's College of Engineering and Technology, has completed the project work under the title of **"DEGRADATIVE TRANSESTERIFIVATION OF TEREPTHALATE POLYESTERS TO OBTAIN DOTP PLASTICIZERS FOR FLEXIBLE PVC"** from **01.03.2023 to 18.03.2023.**

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

We wish him all success for his future endeavour

For CHEMI STUFF

Proprietor

N: 33EUCPB9691C1ZR

3/107C
ANDIPALAYAM,KANAKKAMPLAYAM,
PN ROAD, TIRUPUR-641666

ACLE INK

+918190909007 info.chemistuff@gmail.com

CHEMI STUFF

DATE: 17.05.2023

CERTIFICATE

This is to certify that **Mr.SATHISH S Reg No:112719203015** a student of final year B.Tech /Chemical Engineering from St.Peter's College of Engineering and Technology, has completed the project work under the title of **"DEGRADATIVE TRANSESTERIFIVATION OF TEREPTHALATE POLYESTERS TO OBTAIN DOTP PLASTICIZERS FOR FLEXIBLE PVC"** from **01.03.2023 to 18.03.2023.**

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

We wish him all success for his future endeavour

For CHEMI STUFF

Proprietor

TIN: 33EUCPB9691C1ZR

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CHEMI STUFF

DATE: 17.05.2023

CERTIFICATE

This is to certify that **Mr.SANTHOSH KUMAR S Reg No:112719203013** a student of final year B.Tech /Chemical Engineering from St.Peter's College of Engineering and Technology, has completed the project work under the title of **"DEGRADATIVE TRANSESTERIFIVATION OF TEREPTHALATE POLYESTERS TO OBTAIN DOTP PLASTICIZERS FOR FLEXIBLE PVC"** from **01.03.2023 to 18.03.2023.**

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

We wish him all success for his future endeavour

For CHEMI STUFF

Proprietor

N: 33EUCPB9691C1ZR

3/107C
ANDIPALAYAM,KANAKKAMPLAYAM,
PN ROAD, TIRUPUR-641666

CHAPTER 8

CONCLUSION

In conclusion, the production of Dioctyl Terephthalate (DOTP) via the degradative transesterification process offers several benefits as a plasticizer for flexible PVC. The project focuses on converting Terephthalate Polyesters into DOTP through a chemical reaction using methanol and catalysts. Throughout the project, various aspects such as the process description, mass balance, energy balance, safety measures, and literature review are considered.DOTP finds wide applications in industries such as automotive, construction, packaging, and healthcare due to its excellent plasticizing properties and compatibility with PVC. It enhances the flexibility, durability, and mechanical properties of PVC while reducing the migration and environmental concerns associated with traditional plasticizers like phthalates.

Design of Paddle Dryer for Sludge Disposal Using Flue Gas

A PROJECT REPORT

Submitted by

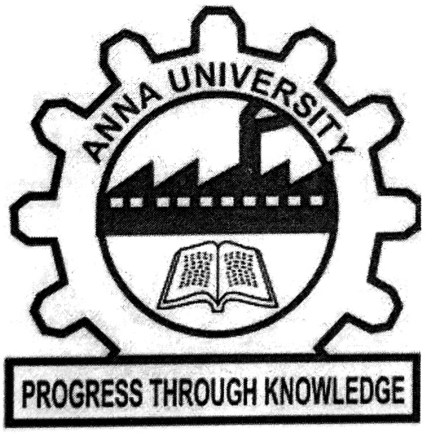
K. SARAVANA KUMAR 112719203014

In partial fulfilment for the award of the degree of

BACHELOR OF TECHNOLOGY

IN

CHEMICAL ENGINEERING



St. PETER'S COLLEGE OF ENGINEERING AND TECHNOLOGY

CHENNAI-600 054

ANNA UNIVERSITY: CHENNAI 600 025

MAY 2023

ANNA UNIVERSITY :: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report "**Design of Paddle Dryer for Sludge disposal Using Flue Gas**" is the bonafide work of "SARAVANA KUMAR K (112719203014)" who carried out the project work under my supervision.

17/5/23

SIGNATURE

DR.S.Thenesh Kumar, M.Tech, Ph.D,

HEAD OF THE DEPARTMENT

Professor,

Department of Chemical Engg,

St.Peter's College of Engg & Tech,

Avadi, Chennai – 54.

17/5/23

SIGNATURE

DR.S.Thenesh Kumar, M.Tech, Ph.D,

SUPERVISOR,

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Avadi, Chennai - 54.

Submitted For the Project Viva Voce Examination Held On 17.05.2023

17/5/23

INTERNAL EXAMINER

17/05/23

EXTERNAL EXAMINER

Abstract

In the pharmaceutical industry the disposal of sludge is difficult as it contains pollutants. There are two methods in which sludge is disposed using Bio enzyme and multiple effect evaporator. These two methods are ineffective due to high amount of organic and inorganic contaminants. The flue gas method which can be used to treat the effluent using paddle dryer. Paddle dryers are highly efficient, mechanically stirred, indirect heat transfer devices that can add or remove heat from process materials. The intermeshing motion of the paddle ensures uniform and constant mixing of the material is continuous or batch operation. The utility plant flue gas was used to remove the moisture content. By applying this process steam economy was improved. By analysis for efficient process the paddle dryer was designed with an increase in area and number of plates. After analysis the moisture content has decreased from 80% to 8%. Amount of sludge is decreased so this method is suggested for the safe disposal of pharma industrial sludge.

SOLARA
Active Pharma Sciences

Communication Address :
Solara Active Pharma Sciences Limited
R.S.No. 33 & 34,
Mathur Road, Periyakalapet
Puducherry - 605 014, India
Tel: +91 413 2654100.

May 15,2023

TO WHOMSOVER IT MAY CONCERN

Certified that this Project "Design of paddle dryer for sludge disposal using flue gas" is bonafide work of SARAVANA KUMAR.K (112719203014) from St. Peter's College of Engineering and Technology who carried out the project work under my supervision during the period of 02/01/2023 to30/03/2023.

K. Ananth

MR.K.ANANTH, M. Tech
PROCESS ENGINEER (CHEMICAL),
Solara Active Pharma Sciences Limited.

8. Conclusion

In conclusion, the paddle dryer has been designed efficiently with a high conversion rate. By incorporating this paddle dryer, moisture in the sludge can be reduced from 80% to 8%. The area of the paddle dryer and parameters of the design, as well as the number of paddles determined, are all provided in the report and their mass and energy balance has been accomplished in an effective manner. The safe operation of a paddle dryer for sludge disposal utilising flue gas necessitates the implementation of many safety measures. Proper ventilation, explosion protection, temperature monitoring, and material handling safety are among these procedures. These safety measures should be implemented into the dryer's design and operation to ensure crew safety and prevent catastrophic accidents. Regular inspections and maintenance are also required to guarantee that the safety measures are functional. The use of paddle dryers for sludge disposal can be a safe and efficient form of waste management if these safety guidelines are followed.

PRODUCTION OF BIOFUEL USING PYROLYSIS PROCESS AND MODELLING USING ASPEN PLUS SOFTWARE

A PROJECT REPORT

Submitted by

AKASH R	**112719203001**
JAGADEESH E	**112719203006**
LOGANATHAN M	**112719203007**

in partial fulfillment for the award of the degree

of

BACHELOR OF TECHNOLOGY

in

CHEMICAL ENGINEERING

St. PETER'S COLLEGE OF ENGINEERING AND TECHNOLOGY, AVADI

ANNA UNIVERSITY :: CHENNAI-600 025

MAY- 2023

ANNA UNIVERSITY :: CHENNAI 600 025

BONAFIDE CERTIFICATE

Certified that this project report **PRODUCTION OF BIOFUEL USING PYROLYSIS PROCESS AND MODELLING USING ASPEN PLUS SOFTWARE** is the bonafide work of **AKASH R (112719203001), JAGADEESH E (112719203006) and LOGANATHAN M (112719203007)** who carried out the project work under my supervision.

17/5/23

SIGNATURE

Dr.S.Thenesh Kumar, M.Tech, Ph.D,

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Professor,

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Avadi, Chennai - 54.

16/05/23

SIGNATURE

Mr.T.T.ISRAEL, M.Tech.,

SUPERVISOR,

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Submitted for the project viva voce Examination held on 17/05/2023

17/5/23

INTERNAL EXAMINER

17/05/23

EXTERNAL EXAMINER

ABSTRACT

The production of biofuels using pyrolysis process is a promising alternative to conventional fossil fuels .In this process, Pyrolysis is a thermochemical conversion process that involves the heating of biomass in the absence of oxygen to produce bio-oil, biochar, and syngas .The biofuels produced from pyrolysis have the potential to reduce greenhouse gas emissions and provide a sustainable alternative to fossil fuels.. Biofuels are increasingly gaining attention as a renewable source of energy due to their lower carbon footprint compared to traditional fossil fuels. One such biofuel, produced using the pyrolysis process, has shown promising results in terms of its potential to replace conventional fuels .This process involves heating biomass materials in the absence of oxygen, resulting in the production of bio-oil, bio-char, and syngas. The bio-oil can be further refined into a transportation fuel, while bio-char and syngas can be used as solid fuel and feedstock for other processes, respectively .The study evaluates the optimal pyrolysis conditions, such as temperature, pressure, and residence time, for producing high-quality biofuels from sawdust .The results demonstrate that pyrolysis is a viable method for the production of biofuels from biodegradable waste, and Aspen Plus is a process simulation software, a valuable tool for process optimization and simulation. It can be used to model and optimise the pyrolysis process.

This paper presents a study on the production of biofuels using pyrolysis process and the modelling of the process using Aspen Plus.

ULTRAMARINE &
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ww.ultramarinepigments.net

May 05, 2023

TO WHOMSOVER IT MAY CONCERN

Certified that this project **"INCREASING THE CONVERSION RATE OF LINEAR ALKYL BENZENE SULPHONIC ACID USING AGEING TANK"** is bonafide work of **JACK ALWIN A [112719203005]** from **St. Peter's College of Engineering and Technology** who carried out the poject work under my supervision during the period of **08/02/2023 to 24/03/2023.**

MR. GANA PRAKASH, B.Tech.,
PROCESS ENGINEER (CHEMICAL),
Ultramine & Pigments Ltd. (UPL),

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May 05, 2023

TO WHOMSOVER IT MAY CONCERN

Certified that this project **"INCREASING THE CONVERSION RATE OF LINEAR ALKYL BENZENE SULPHONIC ACID USING AGEING TANK"** is bonafide work of **MANIKANDAN R [112719203008]** from **St. Peter's College of Engineering and Technology** who carried out the poject work under my supervision during the period of **08/02/2023 to 24/03/2023.**

A. Gnanaprakash

MR. GANA PRAKASH, B.Tech.,
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Ultramine & Pigments Ltd. (UPL),

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60 YEARS

May 05, 2023

TO WHOMSOVER IT MAY CONCERN

Certified that this project **"INCREASING THE CONVERSION RATE OF LINEAR ALKYL BENZENE SULPHONIC ACID USING AGEING TANK"** is bonafide work of **SAIRAM B [112719203012]** from **St. Peter's College of Engineering and Technology** who carried out the poject work under my supervision during the period of **08/02/2023 to 24/03/2023.**

A. Ganaprakash

MR. GANA PRAKASH, B.Tech.,
PROCESS ENGINEER (CHEMICAL),
Ultramine & Pigments Ltd. (UPL),

CHAPTER 7

CONCLUSION

The production of biofuel using sawdust as a biomass feedstock through the pyrolysis process has the potential to provide a sustainable and renewable source of energy. Pyrolysis involves the thermal decomposition of the sawdust at high temperatures in the absence of oxygen, resulting in the production of bio oil, biochar, and syngas.The quality and yield of the bio oil and biochar produced are influenced by several factors, including the characteristics of the feedstock, pyrolysis process parameters, reactor design, catalysts and additives, and post-processing techniques. Therefore, careful selection and optimization of these factors are critical to achieving high-quality bio oil and biochar with desirable properties and applications.

- Bio oil produced from sawdust can be used as a fuel to reduce greenhouse gas emissions and dependence on fossil fuels.
- Biochar produced from sawdust can be used as a soil amendment to enhance soil fertility and carbon sequestration.

The production of biochar and bio oil from sawdust through pyrolysis can provide a solution to the problem of waste management. Further research is needed to optimize the process and develop cost-effective and scalable solutions for commercial applications.

St. PETER'S COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai,
Accredited by NAAC with 'A' Grade and ISO 9001:2015 Certified Institution)
College Road, Avadi, Chennai - 600 054.

Phone : 044-26558091, 26558092 Website : www.spcet.ac.in e-mail : spcet2008@gmail.com

Dr.M.CHINNAPANDIAN, M.E., Ph.D.

PRINCIPAL

01.11.2022

To

The Director,

Ultra-Tech Cement Factory,

Arakkonam.

Dear Sir,

Sub: Industrial visit by students- permission requested- reg.

St.Peter's College of Engineering and Technology managed by Lakshmi Saraswati Educational Trust was started in the year 2008. The college is affiliated to Anna University, Chennai and approved by the All India Council for Technical Education (AICTE), New Delhi. The College conducts 9 UG Programmes and 3 PG Programmes. The Department of Civil Engineering started in the year 2010 offers Under Graduate and Post Graduate course with well qualified faculties and well equipped Laboratories.

Our Students would like to have the privilege to visit your Cement Factory in Arakkonam. We shall be thankful if you could kindly accord permission for our Students of IInd, IIIrd and IVth year Civil Engineering (18 Students) accompanied by 2 faculty members to visit your factory on second week of November, 2022. (Except Saturday and Sunday). Kindly acknowledge the same as early as possible.

Thanking you,

Yours sincerely

01/11/22

PRINCIPAL

Date: 19/11/22.

INDUSTRIAL VISIT

From

The HOD of Civil Engineering
St. Peter's College of Engineering & Technology
Avadi
Chennai 600 054

To
The Principal
St. Peter's College of Engineering & Technology
Avadi
Chennai 600 054

Sir,

Sub: SPCET INDUSTRIAL VISIT – Bus requested Reg.

The Student of II, III & IV year department of Civil Engineering Numbering 18 accompanies by 2 faculty member have programmed for an industrial visit to the Ultra-Tech cement Factory (company) at Arakonam (place) on date 19/11/22 /Monday at 8.30am.

So, I request you to kindly spare the college bus.

Yours faithfully,

HOD

To XT2
19/11/22

Encl: Xeorx
1. Faculty Name: P. Vinoth, (8610951318)
2. Student Name list. S.Mariavensa (9940898107)
3. Company permission letter

Suggestion: 3.30 Coming in Time AFN please
19/11/22

Transport Manager **Dean** 19/11/22 **Principal** 19/11/22

Note
Earlier programme to the same unit was cancelled.
19/11/22

Subject: RE: Permission letter for Industrial Visit- Reg

vinoth Rajendran Fri, Nov 18, 2:44 F

to Jayaseelan, Kovalan, Venkateswarareddy, AMULDAS, Pradeep, Parthasarathy, me

Dear sir,

This is to remind that coming 21st November St. Peter College visiting ARCW industrial visit. I request everyone coordination to make this event successf

Regards
Vinoth

From: vinoth Rajendran <vinoth.r@adityabirla.com>
Sent: Thursday, November 10, 2022 10:12:57 AM
To: hodcivil spcet <hodcivil@spcet.ac.in>
Cc: Parthasarathy m <parthasarathy.m@adityabirla.com>; Pradeep Kumar Chettiakkunnummal <pradeepkumar.ck@adityabirla.com>; Venkateswarar
<venkateswarareddy.k@adityabirla.com>; Madan S <madan.s@adityabirla.com>; AMULDAS D <amuldas.d@adityabirla.com>
Subject: Re: Permission letter for Industrial Visit- Reg

Noted. Noted with thanks. Approved.

Reply Reply all Forward

ST.PETER'S COLLEGE OF ENGINEERING AND TECHNOLOGY
Department of Civil Engineering

INDUSTRIAL VISIT TO ULTRA-TECH CEMENT FACTORY

STUDENT NAME LIST

S.NO.	REGISTER NUMBER	NAME
	II YEAR	
1	112721103001	ANAND P
2	112721103002	ASWIN R
3	112721103003	DINESH KUMAR R
4	LE01	JEGATHEEP KANNAN J
	III YEAR	
1	112720103001	AJAYBABU.M
2	112720103002	VIGNESHWAREN.G
3	112720103301	DHAYALAN.R
4	112720103302	KOUSALYA.M
5	112720103303	SUBBULAKSHMI.M
6	112720103304	SURYA.M
7	112720103305	VIGNESH.M
	IV YEAR	
1	112719103001	HAMSHAWARTHINI.M
2	112719103002	HEPSIBA. T
3	112719103003	KRISHNA KUMAR. P
4	112719103005	SATHISH. S
5	112719103006	A.SWEATHA
6	112719103007	A. VIKEY
7	112719103301	P.GOKULAN

HOD (i/c)/CIVIL

PRINCIPAL

St. PETER'S COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi, and affiliated to Anna University, Chennai)

College Road, Avadi, Chennai - 600 054.

Phone 044-26558089, 26558091 Fax :044-26558091 e-mail : spcet2008@gmail.com

21.11.22

UNDERTAKING LETTER-STUDENTS

We the students of Final year, Department of Civil Engineering at St.Peters College of Engineering and Technology, Avadi, chennai 600054 do here by undertake that we are going on **Ultra-Tech Cement Factory at Arakkonam** , chennai organized on 21.11.22 departure on 21.11.22 at 8.00 am from St. Peters college of Engineering and Technology and arrival on 21.11.22 at 3.00pm at St Peter's College of Engineering and Technology by College Bus. Faculty and staff of St Peter's College of Engineering and Technology will not be held responsible for any mishap/eventualities during the visit.

S.No	Register No	Name	Signature
1.	112719103001	HAMSHAWARTHINI.M	
2.	112719103002	HEPSIBA. T	
3.	112719103003	KRISHNA KUMAR. P	
4.	112719103005	SATHISH. S	
5.	112719103006	A.SWEATHA	
6.	112719103007	A. VIKEY	
7.	112719103301	P.GOKULAN	

HOD (i/c)/CIVIL

FACULTY NAME : Mr. P. VINOTH, AP/CIVIL

Ms. MARIA VENSA, AP/CIVIL

St. PETER'S COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi, and affiliated to Anna University, Chennai)

College Road, Avadi, Chennai - 600 054.

Phone : 044-26558089, 26558091 Fax :044-26558091 e-mail : spcet2008@gmail.com

21.11.22

UNDERTAKING LETTER-STUDENTS

We the students of Second year, Department of Civil Engineering at St.Peters College of Engineering and Technology, Avadi, chennai 600054 do here by undertake that we are going on **Ultra-Tech Cement Factory at Arakkonam** , chennai organized on 21.11.22 departure on 21.11.22 at 8.00 am from St. Peters college of Engineering and Technology and arrival on 21.11.22 at 3.00pm at St Peter's College of Engineering and Technology by College Bus. Faculty and staff of St Peter's College of Engineering and Technology will not be held responsible for any mishap/eventualities during the visit

S.No	Register No	Name	Signature
1	112720103001	AJAYBABU.M	AB
2	112720103002	VIGNESHWAREN.G	Vignesh waran
3	112720103301	DHAYALAN.R	AR
4	112720103302	KOUSALYA.M	AR
5	112720103303	SUBBULAKSHMI.M	AR
6	112720103304	SURYA.M	M. Surya
7	112720103305	VIGNESH.M	Vignesh

HOD(i/c)/CIVIL

St. PETER'S COLLEGE OF ENGINEERING AND TECHNOLOGY

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College Road, Avadi, Chennai - 600 054.

Phone : 044-26558089, 26558091 Fax : 044-26558091 e-mail : spcet2008@gmail.com

21.11.22

UNDERTAKING LETTER-STUDENTS

We the students of Second year, Department of Civil Engineering at St.Peters College of Engineering and Technology, Avadi, chennai 600054 do here by undertake that we are going on **Ultra-Tech Cement Factory at Arakkonam** , chennai organized on 21.11.22 departure on 21.11.22 at 8.00 am from St. Peters college of Engineering and Technology and arrival on 21.11.22 at 3.00pm at St Peter's College of Engineering and Technology by College Bus. Faculty and staff of St Peter's College of Engineering and Technology will not be held responsible for any mishap/eventualities during the visit

S.No	Register No	Name	Signature
1	112720103001	ANAND P	
2	112720103002	ASWIN R	
3	112720103003	DINESH KUMAR R	
4	LE01	JEGATHEEP KANNAN J	

HOD(i/c)/CIVIL

ST. PETER'S COLLEGE OF ENGINEERING & TECHNOLOGY :: CHENNAI

Affiliated to Anna University, Chennai & Approved by AICTE

DEPARTMENT OF CIVIL ENGINEERING

INDUSTRIAL VISIT – ULTRA TECH CEMENT FACTORY

REPORT ON ONE DAY INDUSTRIAL VISIT

A visit to the UltraTech Cement factory, Arakkonam was made by the students and faculties from the department of civil engineering, St.Peter's College of Engineering and Technology. Total of 18 students accompanied with two faculties visited this factory on 21st November 2022. It is about 90 km from Chennai. It is located in Vellore district, Tamilnadu.

UltraTech Cement Limited is the cement flagship company of the Aditya Birla Group., UltraTech is the largest manufacturer of grey cement and ready mix concrete (RMC) and one of the largest manufacturers of white cement in India. It is the third-largest cement producer in the world, excluding China. Ultratech is the Largest among the top 5 cement companies in India . UltraTech is the only cement company globally (outside of China) to have 100+ MTPA of cement manufacturing capacity in a single country. The Company's business operations span UAE, Bahrain, Sri Lanka and India. UltraTech has a consolidated capacity of 119.95 Million Tonnes Per Annum (MTPA) of grey cement. UltraTech has 22 integrated manufacturing units, 27 grinding units, one clinkerisation unit and 8 Bulk Packaging Terminals. UltraTech has a network of over one lakh channel partners across the country and has a market reach of more than 80% across India. With 150 Ready Mix Concrete (RMC) plants in 50 cities, UltraTech is the largest manufacturer of concrete in India. It also has a slew of speciality concretes that meet specific needs of discerning customers.

Students of second year, Third year and Final Years of B.E civil were taken for the visit to the cement factory to ensure effective participation, interaction and safety. Students were accompanied by the assistant professors Mr.P.Vinoth and Ms.S. Maria vensa. A warm reception was given to the students and faculties by the hospitality team at the Arakkonam premises. A lucid presentation about the company and the cement manufacturing process was given by the technical crew in their AV hall. Then the students were addressed by the Centre head and Technical heads which gave a motivating start to the technical visit.

Simple demonstration of various tests on cement properties like specific gravity, Initial and final setting time, consistency limits etc.. was given in their state-of-the-art laboratory. The advanced lab method of analysing the structure of cement and its composition with X-ray diffraction was also exhibited in a 3 min test and their graphical results were well explained. Students were permitted in their Research and development lab where novel and eco-friendly materials were used in the making of concrete specimens. Lightweight aggregates like sintered ash, bloated clay were shown to the students. The students had the touch and feel the experience of these materials which is notable.

As Arakkonam plant is one among the integrated units in cement manufacturing process, the process of pulverizing the clinkers and mixing with gypsum was shown. Huge cylindrical silos used for their storage and their capacity were shown and explained. The final phase of the visit was taking the students to their packing section. Students had the real time experience of viewing the cement from silos getting filled in standard packs, sealed and transferred to the storing yard through conveyor belts.

Both students and faculties were provided with a helmet, safe jacket and leather shoes as a part of the safety measures before taken inside the factory premises.

The industrial visit was very informative to the students. Students gained exposure to integrated cement manufacturing units and their process making.
Laboratory demonstrations gave an insight into the properties to be tested for a quality cement product.


2022/11/21 12:43


VISITOR


2022/11/21 13:03

St. PETER'S COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai,
Accredited by NAAC with 'A' Grade and ISO 9001:2015 Certified Institution)
College Road, Avadi, Chennai - 600 054.

Phone 044-26558091, 26558092 Website www.spcet.ac.in e-mail spcet2008@gmail.com

Dr.K. Purushothaman, M.E., Ph.D
Principal

Date: 04.04.2022

Ref. No. SPCET / ECE / EVEN SEM / 2021 – 2022 / 01

To
V Equal IR T&C ServiceNo.4,2nd floor,
Ist Avenue,Akyaya Colony Moggappair,Chennai - 600 050.

Dear Sir,

Sub:- SPCET, Department of Electronics and Communication Engineering – Request for permission for FIELD WORK for our students – Reg.,

We introduce ourselves as one of the leading self-financing Engineering College located in Chennai. This college was established in 2008 with the approvalof AICTE, New Delhi and affiliated to Anna University, Chennai. The various branches of Engineering in this Institution include Computer Science & Engineering, Information Technology, Electronics Communication Engineering, Electrical and Electronics Engineering, Mechanical Engineering, Civil Engineering, Aeronautical Engineering, Chemical Engineering and Bio-Technology apart from MBA and two M.E., Programs.

16 students of II and III year of Electronics and Communication Engineering Department wish to visit V Equal IR T&C Service,Chennai site as apart of their curriculum and derive maximum benefits. One of our faculty member will accompany them. We kindly request you to give permission on any of your convenient dates on a working day during April 2022 to enable the students to have exposure of various activities in the Power Plant. Please feel free to contactthe undersigned for any details.

Thanking you,

ST. PETER'S COLLEGE OF ENGG. AND TECH. AVADI CHENNAI-54 COLLEGE ROAD

Yours sincerely,

PRINCIPAL

PRINCIPAL
St. Peter's College of Engineering & Technology
Avadi, Chennai-600 054.

COMPANY PROFILE AND LEARNING EXPERIENCE

FIELD WORK- V Equal IR T&C Service

ST. PETER'S COLLEGE OF ENGG. AND TECH. AVADI CHENNAI-54 COLLEGE ROAD

PRINCIPAL
St. Peter's College of Engineering & Technology
Avadi, Chennai-600 054.

St. PETER'S COLLEGE OF ENGINEERING AND TECHNOLOGY :: CHENNAI

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai.
Accredited by NAAC with 'A' Grade and ISO 9001:2015 Certified Institution)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING				
FIELD WORK				
ACADEMIC YEAR-2021-22				
Requisition for the approval of Field work				
Field Wok Date	Place ofVisit	Year	Number of Students	Number of Faculties
05.04.22(11am)	V Equal IR T&C Service	II	9	1
		III	7	

Field Work Coordinator

HOD

PRINCIPAL

ST. PETER'S COLLEGE OF ENGG. AND TECH. * AVADI CHENNAI-54 * COLLEGE ROAD *

PRINCIPAL
St. Peter's College of Engineering & Technology
Avadi, Chennai-600 054.

St. PETER'S COLLEGE OF ENGINEERING AND TECHNOLOGY :: CHENNAI

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai.
Accredited by NAAC with 'A' Grade and ISO 9001:2015 Certified Institution)

PROGRAMME SCHEDULE (05.04.2022)

TIME	ACTIVITIES
9.30 AM	Departure from SPCET campus
10.30 AM	Visit to company
1.30PM	Fieldwork completed
2PM	Lunch and Departure from Company
3.15 PM	Return back to SPCET Campus

Field Work Coordinator **HOD** **PRINCIPAL**

ST. PETER'S COLLEGE OF ENG. AND TECH. * COLLEGE ROAD * AVADI CHENNAI-54

PRINCIPAL
St. Peter's College of Engineering & Technology
Avadi, Chennai-600 054.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

FIELD WORK- V Equal IR T&C Service

REPORT ON ONE DAY FIELD WORK

Students from the Department of ECE and EEE visited "V Equal IR T&C Service, Mogappair, Chennai" on 05.04.22. The session started with a presentation about the company, projects handled by them and their clients etc. The session was very informative, the trainers explained about the various issues related to testing mainly relay testing and transformer testing. Hands on training on relay testing was provided to the students. Presentation on feeder management, differential and distance protection was given. Trainers namely Mr.Prabhudass, Mr. Rakesh and Mr. Santhosh clarified their doubts and shared more innovative and technical ideas to students. They also explained about their excellent and cost effective solutions to the customers all over the Country. It was an excellent learning experiences and very useful field work for Students. Students gained knowledge about the aspects of power system monitoring, protection and testing.

FIELD WORK COORDINATOR **HOD** **PRINCIPAL**

ST. PETER'S COLLEGE OF ENGG. AND TECH. AVADI CHENNAI-54 COLLEGE ROAD

PRINCIPAL
St. Peter's College of Engineering & Technology
Avadi, Chennai-600 054.

St. PETER'S

COLLEGE OF ENGINEERING & TECHNOLOGY

Affiliated to Anna University | Approved by AICTE | ISO 9001:2015 Certified | NAAC with 'A' Grade

Avadi, Chennai, Tamilnadu - 600 054

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Student Name List

S. No.	Register Number	Student Name	Class
1	112719105002	MALINI M	IV EEE
2	112719105003	MOHAMMED HUSSAIN M R	IV EEE
3	112719105004	PRAKASH RAJ S	IV EEE
4	112719105005	PRINCE KUMAR	IV EEE
5	112719105006	SHAKTHIVEL S M	IV EEE
6	112719105007	UMAPATHY B	IV EEE
7	112719105701	MOHAMMED MUZZAMIL I	IV EEE
8	112720105001	DINESH KUMAR G	III EEE
9	112720105002	MARIO FRANCIS GEORGE	III EEE
10	112720105003	SRI LAKSHIDA S	III EEE
11	112720105301	CHELLAIYA S	III EEE
12	112720105302	GOPI A	III EEE
13	112720105303	HEMANATHAN S	III EEE
14	112720105304	KISHORE KUMAR S	III EEE
15	112720105305	KRISHNA KUMAR B	III EEE
16	112720105306	RAJAVARMAN T S	III EEE
17	112720105307	SANTHOSH S	III EEE
18	112720105308	SRIRAM P	III EEE
19	112721105001	RAKESH V R	II EEE

Faculty Name List

S. No.	Faculty Name	Designation	Contact Details
1	Mr. J. Madhavan	Assistant Professor	9994237525
2	Ms. V.S. Veena	Assistant Professor	9488900497

HOD / EEE

PRINCIPAL

St. PETER'S COLLEGE OF ENGINEERING AND TECHNOLOGY

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Accredited by NAAC with 'A' Grade and ISO 9001:2015 Certified Institution)
College Road, Avadi, Chennai - 600 054.

Phone: 044-26558091, 26558092 | Website: www.spcet.ac.in | e-mail: spcet2008@gmail.com

Date: 28.02.2023

Dr. M. Chinnapandian, M.E., Ph.D
Principal

003211

07 MAR 2023

TANGEDCO CHENNAI

Ref. No. SPCET / EEE / EVEN SEM / 2022 - 2023 / 02

To

Thiru. Rajesh Lakhoni, IAS
Chairman Cum Managing Director,
Tamilnadu Generation and Distribution Corporation Limited,
NPKRR Maaligai, 144, Anna Salai, Chennai – 600 002.
Phone: 044 – 2852 1300

Dear Sir,

Sub:- SPCET, Department of **Electrical and Electronics Engineering** – Request for permission for Industrial Visit for our students (One Day Only) – Reg.,

We introduce ourselves as one of the leading self-financing Engineering College located in Chennai. This college was established in 2008 with the approval of AICTE, New Delhi and affiliated to Anna University, Chennai. The various branches of Engineering in this Institution include Computer Science & Engineering, Information Technology, Electronics Communication Engineering, Electrical and Electronics Engineering, Mechanical Engineering, Civil Engineering, Aeronautical Engineering, Chemical Engineering and Bio-Technology apart from MBA and two M.E., Programs.

19 students of IInd, IIIrd and IVth year Electrical and Electronics Engineering Department wish to visit **State Load Dispatch Centre, TANGENDCO, Anna Salai, Chennai – 06** site as apart of their curriculum and derive maximum benefits. Two of our faculty members will accompany them. We kindly request you to give permission on any of your convenient dates on a working day **during 20th Mar 2023 to 24th Mar 2023** to enable the students to have exposure of various activities in the Power Plant. Please feel free to contact the undersigned for any details.

Thanking you,

Yours sincerely,

Principal.

Encl: Name List

St. PETER'S

COLLEGE OF ENGINEERING & TECHNOLOGY

Affiliated to Anna University | Approved by AICTE | ISO 9001:2015 Certified | NAAC with 'A' Grade

Avadi, Chennai, Tamilnadu – 600 054

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Field work – State Load Dispatch Centre, TANGENDCO, Chennai – 06

Programme Schedule (20.03.2023)

Time	Activities
9.00 AM	Departure from SPCET campus
10.00 AM	Visit to company
12.30 PM	Field work completed
2.00 PM	Lunch and departure from the company
3.20 PM	Return to SPCET campus

Field Work Coordinator **HOD / EEE** **PRINCIPAL**

TAMIL NADU GENERATION AND DISTRIBUTION CORPORATION LIMITED

VIGILANCE CELL
144, ANNA SALAI
CHENNAI -2.

Letter No.3211/B10/B102/2023-1, dated 15.03.2023

From
THIRU.N.KESAVAN, B.Sc.,
DEPUTY SECRETARY/VIGILANCE.

To
The Superintending Engineer,
Load Despatch & Gird Operation,
Chennai-2. (w.e)

Sir,

Sub : TANGEDCO–Vigilance Cell–Granting permission to industrial visits for study purpose – Powers delegated to the concerned Superintending Engineers – Requisition letter received from St.Peter's College of Engineering and Technology - Forwarded.

Ref : 1. VC.Memo.No.16608/B11/B112/19-1, dt:29.08.19.
2. From St.Peter's College of Engineering and Technology, dated 28.02.2023.

*****

I am to enclose herewith the letter received in original from St.Peter's College of Engineering and Technology in the reference second cited, wherein they have requested permission for the Department of second year, third year and fourth year Electrical and Electronics Engineering of 19 students and 2 Faculty member for Industrial visit to State Load Dispatch Centre on 20.03.2023.

2. In this connection, I am to inform that orders has been issued by the Director General of Police/Vigilance vide reference first cited that the concerned Superintending Engineers are allowed to grant permission to Educational Institution visits for study purpose.

3. I am therefore request you to issue necessary permission order as per the instructions and conditions mentioned in the reference first cited.

Yours faithfully,

15/3/23

SECTION OFFICER
for DEPUTY SECRETARY/VIGILANCE

15/3/23.

Copy to:-
St.Peter's College of Engineering
and Technology.

St. PETER'S

COLLEGE OF ENGINEERING & TECHNOLOGY

Affiliated to Anna University | Approved by AICTE | ISO 9001:2015 Certified | NAAC with 'A' Grade

Avadi, Chennai, Tamilnadu – 600 054

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Field work – State Load Dispatch Centre, TANGENDCO, Chennai – 06

REPORT ON ONE DAY FIELD WORK

The students from II Year EEE, III Year EEE and IV Year EEE visited "State Load Dispatch Centre, Chennai – 06" on 20.03.2023. The visit was planed to help students obtain knowledge on integrated operation of the Power system in a State, Responsible for optimum scheduling and dispatch of electricity within a state and Monitor grid operation, which motivated the students to take up knowledge. Students were able to understand the following during the visit:

- Function of SLDCs
- Grid Operation in TN State
- The SLDCs shall be the Apex Body to ensure integrated operation of the Power system in a State.
- SLDCs shall be responsible for optimum scheduling and dispatch of electricity within a state in accordance with the contracts entered into with the licensees or the generation companies operating in that State.
- Monitor grid operation - Keep accounts of the quantity of electricity transmitted through State Grid.
- Exercise supervision and control over the inter-state transmission system.
- Be responsible for carrying out real time operation for grid control and dispatch of electricity within the State through secure and economic operation of the State Grid in accordance with the grid standards and state grid code.

Field Work Coordinator **HOD / EEE** **PRINCIPAL**

St. PETER'S

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Avadi, Chennai, Tamilnadu – 600 054

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Field work – State Load Dispatch Centre, TANGENDCO, Chennai – 06

Event Photo

Students at State Load Dispatch Centre, TANGENDCO, Chennai – 06 on 20.03.2023

Field Work Coordinator | **HOD / EEE** | **PRINCIPAL**

St. PETER'S COLLEGE OF ENGINEERING AND TECHNOLOGY

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College Road, Avadi, Chennai - 600 054.

Phone : 044-26558091, 26558092 Website : www.spcet.ac.in e-mail : spcet2008@gmail.com

Date: 28.02.2023

Dr. M. Chinnapandian, M.E., Ph.D
Principal

003211

DEPUTY SECRETARY VIGILANCE CELL 07 MAR 2023 TANGEDCO, CHENNAI.

CMD / TANGEDCO & TNEB LTD. CHAIRMAN / TANTRANSCO 04 MAR 2023 1077

Ref. No. SPCET / EEE / EVEN SEM / 2022 – 2023 / 02

To

Thiru. Rajesh Lakhoni, IAS
Chairman Cum Managing Director,
Tamilnadu Generation and Distribution Corporation Limited,
NPKRR Maaligai, 144, Anna Salai, Chennai – 600 002.
Phone: 044 – 2852 1300

Dear Sir,

Sub:- SPCET, Department of **Electrical and Electronics Engineering** – Request for permission for Industrial Visit for our students (One Day Only) – Reg.,

B-10

We introduce ourselves as one of the leading self-financing Engineering College located in Chennai. This college was established in 2008 with the approval of AICTE, New Delhi and affiliated to Anna University, Chennai. The various branches of Engineering in this Institution include Computer Science & Engineering, Information Technology, Electronics Communication Engineering, Electrical and Electronics Engineering, Mechanical Engineering, Civil Engineering, Aeronautical Engineering, Chemical Engineering and Bio-Technology apart from MBA and two M.E., Programs.

19 students of IInd, IIIrd and IVth year Electrical and Electronics Engineering Department wish to visit **State Load Dispatch Centre, TANGENDCO, Anna Salai, Chennai – 06** site as apart of their curriculum and derive maximum benefits. Two of our faculty members will accompany them. We kindly request you to give permission on any of your convenient dates on a working day **during 20th Mar 2023 to 24th Mar 2023** to enable the students to have exposure of various activities in the Power Plant. Please feel free to contact the undersigned for any details.

Thanking you,

Yours sincerely,

Principal 28/02/23

PRINCIPAL
St. Peter's College of Engineering & Technology
Avadi, Chennai-600 054.

Encl: Name List

ST. PETER'S COLLEGE OF ENGG. AND TECH. AVADI CHENNAI-54 COLLEGE ROAD

ST. PETER'S COLLEGE OF ENGINEERING & TECHNOLOGY :: CHENNAI
Affiliated to Anna University, Chennai & Approved by AICTE

INDUSTRIAL VISIT

Date:22.11.2022

To:

The Principal,

Sir

Sub: SPCET INDUSTRIAL VISIT-Bus Requested-Reg.,

The Student of II, III, IV year department of IT numbering 51 accompanies by 2 faculty members have programmed for an industrial visit to the PUMO TECHNOVATION (company) at Tambaram (please) on 23-11-22 at 9.00 am/~~pm~~.

So I request to kindly spare the college bus.

Faculty Name:
1. Dr. K.V. Praveen, ASP/IT -
2. D. Sujatha, AP/IT – D Sujatha

Your's faithfully

22/11/22
HOD-IT

Encl: Xerox

1. Faculty Name.
2. Student Name List.
3. Company Permission Letter (Xerox)

Suggestions

Transport Incharge **Management Rep** **Dean** **Principal** 24/11/22

St.Peter's College of Engineering and Technology Web Mail

hodit spcet <hodit@spcet.ac.in>

Fwd: Agenda of Industrial Visit

1 message

IT LE yogesh Karthick <yogeshkarthick99@gmail.com> Tue, Nov 22, 2022 at 1:36 PM
To: hodit@spcet.ac.in

---------- Forwarded message ---------
From: **Pumo Technovation Tambaram** <pumotechchennai@gmail.com>
Date: Tue, Nov 22, 2022, 13:35
Subject: Agenda of Industrial Visit
To: <yogeshkarthick99@gmail.com>

ear Sir/ Madam,

Thanks for considering our company for an Industrial Visit to your students.

Please find the agenda of our program. (Agenda can be changed based on colleges request)

1. Awareness on the latest technologies available in the market.
2. 15 Minutes break (Cool Drinks will be provided)
3. Process followed in the IT industry.

Approved Date for the IV:

S. No	Dates	Department	No. of Students	Time	Duration
1	23/11/2022	IT	52	10:00AM-1:00PM	3hrs

Contact Persons: Please contact this number for any queries regarding the IV. **Baskaran - 8489591808**

Important Points:

1. Company assets should be carefully maintained.
2. Company details and company information should not be shared to anyone.

Our company profile for your reference,

Our Weblink : www.pumotechnovation.com

https://instagram.com/pumotechnovationindia?utm_medium=copy_link

Company Infrastructure:

1. Our office is located in Anna Nagar with a work space of 5000 SQ. FT.
2. Separate division for Electronics R&D, Software Development and Training.

--

Warm Regards,
Baskaran K,
Technical Head,
PUMO Technovation Group of Companies,

Contact No :8489591808.

PUMO TECHNOVATION INDIA PRIVATE LIMITED

PUMO TECHNOVATION.

--

Warm Regards,
Baskaran K,
Technical Head,
PUMO Technovation Group of Companies,

Contact No :8489591808.

PUMO TECHNOVATION INDIA PRIVATE LIMITED

St. PETER'S
COLLEGE OF ENGINEERING & TECHNOLOGY
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Avadi, Chennai, Tamilnadu – 600 054

Department Of Information Technology

INDUSTRIAL VISIT AT PUMO TECHNOVATIONS

Report on One Day Industrial Visit

A total of 51 students from Information Technology Department visited "Pumo Technovation" at Tambaram on 23.11.2022.All students along with two faculties gathered and left the college at 9:00 am by college bus and reached the company at 10:50 am. Company HR, Mr Harish started the first session by a brief introduction about the company. He then briefed about the different programming languages for web application development and software development. Then the discussion was on current scenario of IT field.

Then, Mr.Dinesh, Student Guide also gave the guidance to develop the websites, and gave the ideas to build a business.

Discussion on website guidance by Mr Harish to our Students

Students got an in-site about the latest Technology in IT world.

II Year - IT

III Year IT

IV Year IT

It was an excellent learning experience.Faculty accompany Dr.K V Praveen,ASP and Mrs. Sujatha from IT Department.

IV Coordinator HOD/IT Principal

ST.PETER'S COLLEGE OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF INFORMATION TECHNOLOGY

Batch : 2019– 2023 (IV Year)

1	112719205001	AJITH
2	112719205002	AKILAN
3	112719205003	ARULRAJA
4	112719205004	BOWSHIYA
5	112719205005	GOBISRI
6	112719205006	HEMNATH
7	112719205007	JAGANATHAN
8	112719205008	JANSI
9	112719205009	MANIKANDAN
10	112719205010	MEKALA
11	112719205011	RAJASEKAR
12	112719205012	RAKSHAGA
13	112719205013	RANJITH
14	112719205014	SAFNATH
15	112719205015	SARANYA
16	112719205016	SIVA
17	112719205017	SWETHA
18	112719205301	KARUNAKARAN
19	112719205302	NARAYANAN

(HOD-IT)

ST.PETER'S COLLEGE OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF INFORMATION TECHNOLOGY

Batch : 2020 – 2024 (III Year)

S.NO	REGISTER NO	NAME
1	112720205001	DARSHAN U
2	112720205002	HARICHARAN M
3	112720205003	IYYAPPAN G
4	112720205004	JOTHI P
5	112720205005	MUKESH R
6	112720205006	PRIYADHARSHINI K
7	112720205007	SRINIVAS M B
8	112720205301	GOKUL
9	112720205302	GOWTHAM
10	112720205303	MUKILANANDHAN.M
11	112720205304	SOWMIYA.S
12	112720205305	VIGNESH
13	112720205306	YOGESH.K
14	112720205307	YUGENDHAR.P

(HOD-IT)

ST.PETER'S COLLEGE OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF INFORMATION TECHNOLOGY

Batch : 2021– 2025 (II Year)

112721205001	I.ABINAYA
112721205002	ARUN
112721205003	DEEPAK
112721205004	J.DIVYALAKSHMI
112721205005	K.JASMINE
112721205006	R.KRUTHIKA
112721205007	K.PARVESH KUMAR
112721205008	P.PRASANTH
112721205009	S.PRAVEEN
112721205010	E.RADHIKA
112721205011	T.SAMITHA
112721205012	R.SANJAY
112721205013	S.SHAREEN FATHIMA
112721205014	K.R.SHARMI
112721205015	S.SHIVANI
112721205016	M.SOWMIYA
112721205017	S.SRIMATHI
112721205019	G.SUDHARSAN
112721205020	A.J.VARSHANA
112721205301	PRADEEP
112721205302	P.SARAVANA PANDI

(HOD-IT)

1.1. Industrial Visit Plan
2022-2023

S. No.	Year/Sec	Name of the Industry	Visited Month	No. of Students
1.	IV	TVS Training and Service Ltd, Technical Training centre, MTH Road, AIE, Ambattur, Chennai	02.09.2022	22
	III		02.09.2022	17
	II		02.09.2022	10
2.	IV	"Tamil Nadu Centre of Excellence for Advanced Manufacturing" (TANCAM) TIDEL Park, 1st Floor, Rajiv Gandhi Salai (OMR), Tharmani, Chennai - 600113, Tamilnadu, INDIA.	28.04.2023	22
	III		28.04.2023	17
	II		28.04.2023	10

1. TVS Training Centre

St.Peter's College of Engineering and Technology Web Mail

hodmech spcet <hodmech@spcet.ac.in>

SPCET- Mech Dept- Requisition for an Industrial visit Reg

3 messages

hodmech spcet <hodmech@spcet.ac.in> Wed, Aug 17, 2022 at 2:53 PM
To: muneeswaran@tvsts.com
Cc: principal spcet <principal@spcet.ac.in>

Sir,

St. Peter's College of Engineering and Technology was established in the year 2008. The college is approved by AICTE, affiliated to Anna University Chennai and Accredited by NAAC with "A" Grade. We conduct 9 B.E./B.Tech Programmes, MBA programme and 2 M.E programmes in our college. As part of curriculum activity it is proposed to arrange industrial visit to **TVS Training and Service Ltd**, for our IV, III & II year Mechanical Engineering students 50 numbers, accompanied by two faculty members. We prefer in the month of September 2022 except Saturday. I request kindly to give permission for the visit Thanking you in anticipation for your positive response.

Yours faithfully,

Dr.A.Shadrach Jeya Sekaran

Professor and Head,
Department of Mechanical Engineering,
St.Peter's College of Engineering and Technology,
Avadi, Chennai-54.
MOB: 9489657105, 9865117105
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https://scholar.google.com/citations?user=0RNe7AUAAAAJ&hl=en

https://www.scopus.com/authid/detail.uri?authorId=56880392500

https://orcid.org/0000-0002-0380-7331

Muneeswaran .M(BUSINESS DEVELOPMENT/TVSTS) <muneeswaran@tvsts.com> Wed, Aug 24, 2022 at 11:13 AM
To: hodmech spcet <hodmech@spcet.ac.in>
Cc: principal spcet <principal@spcet.ac.in>, "Mohammed Samiuddin (BUSINESS DEVELOPMENT/TVSTS)" <sam@tvsts.com>, "Senthilkumar .M.R(TECHNICAL TRAINING/TVSTS)" <senthilkumar.mr@tvsts.com>, "Sivaprasad (TECHNICAL TRAINING/TVSTS)" <sivaprasad@tvsts.com>

Dear Sir,

As Per your mail, We would like to confirm the industrial visit on 02.09.22 (Friday) from 10 am to 12.30 pm.

Note :

1. Students should be in formal dress ,Jeans & T-Shirt strictly not allowed.
2. Students should wear college Id card during the visiting hours
3. Students should be vaccinated- 2 Dose
4. Students should wear Mask

Venue:

TVS Training and Service Ltd,

Technical Training centre,

plot no. 7/9A, 7/9B,7/9C,

MTH Road, Ambattur industrial estate,

Ambattur, Chennai 600058.

Landmark: Opposite to Kochar Apartment

Location: https://maps.app.goo.gl/8Ws65fuVDvAAsFdE8

Thanks & Regards,

M. Muneeswaran

Asst.Manager

+91 9600 18 18 95 |muneeswaran@tvsts.com

TVS Training & Services

Plot no. 7/9A, 7/9B,7/9C, MTH Road,

Opp to Kochar Apartment,

Ambattur Industrial Estate, Chennai - 58

[Quoted text hidden]

---

hodmech spcet <hodmech@spcet.ac.in> Sat, Aug 27, 2022 at 10:57 AM
To: "Muneeswaran .M(BUSINESS DEVELOPMENT/TVSTS)" <muneeswaran@tvsts.com>

Sir,

Thanks for giving permission for the industrial visit on 02.09.22. We will follow the instructions which has been given in the mail. Once again thank you sir.

[Quoted text hidden]

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[Quoted text hidden]

St. PETER'S
COLLEGE OF ENGINEERING & TECHNOLOGY
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Avadi, Chennai, Tamilnadu – 600 054

Date: 25/08/22

INDUSTRIAL VISIT

From

The HOD of Mechanical Engineering
St. Peter's College of Engineering & Technology
Avadi
Chennai 600 054

To
The Principal
St. Peter's College of Engineering & Technology
Avadi
Chennai 600 054

Sir,

Sub: SPCET INDUSTRIAL VISIT – Bus requested Reg.

The Student of IV, III & II year department of Mechanical Engineering Numbering 46 accompanies by 02 faculty member have programmed for an industrial visit to the TVS Training & Service Ltd, Technical Training Centre (company) at Ambattur Estate, Chennai (place) on date 2/9/22 at 9.00am

So, I request you to kindly spare the college bus.

Yours faithfully,

25/08/22
HOD

Encl: Xeorx
1. Faculty Name: Mr. S. ABILASH, Asst. Prof Mr. M.V. Manivannan, Asst. Prof.
2. Student Name list.
3. Company permission letter

Suggestion:

Transport Manager **Dean** **Principal** 26/8/22

Department of Mechanical Engineering

Industrial Visit to "TVS Training and Service" on 02.09.2022

IV Mech

S.No.	Reg No.	Students Name
1	112719114001	AFTHAAB ABDULLA
2	112719114002	AJAY PANDIYAN. S
3	112719114003	ALVIN GERSHAN J
4	112719114004	DEEPAK PAKALA
5	112719114005	GALI JOHN WESLY
6	112719114006	GOGUL SUNDAR .S
7	112719114007	P.HEMANATH
8	112719114008	JAYASURYA. M
9	112719114009	KISHORE.S
10	112719114010	PAVUN KUMAR.D
11	112719114011	PRADEEP A
12	112719114012	D.PRASANRAJ
13	112719114013	PRAVEEN A
14	112719114014	RANISH R
15	112719114016	SATHISH.K
16	112719114017	SHYAM DHINAKARAN Y
17	112719114301	AGNEL GILES ANTON S
18	112719114302	T.T.ARAVIND BALAJI
19	112719114303	G.K.BHUVAN KUMAR
20	112719114304	T. DANIEL
21	112719114307	M. PARTHASARATHY
22	112719114308	R B SHANGAR GOVIND

1/9/22

HOD MECH

Dr. A. SHADRACH JEYA SEKARAN M.E., Ph.D.
Professor & Head
Department of Mech[illegible] Engineering
St. Peter's College of Engineering and Technology,
Avadi, Chennai - 600 054.

Department of Mechanical Engineering

Industrial Visit to "TVS Training and Service" on 02.09.2022

III Mech

S.No.	Reg.No.	Student Name
1	112720114001	AKASH D
2	112720114003	FANIX D
3	112720114004	KAAVIYAN D
4	112720114005	MONESH M
5	112720114007	RICHARD ALOSHYAS JP
6	112720114301	BALAJI S
7	112720114302	CHERANJEEVI M
8	112720114303	GOKUL M
9	112720114304	MADHAN KUMAR B
10	112720114305	MANIKANDAN R
11	112720114306	MOHAN K
12	112720114307	MUGUNDHAN M
13	112720114308	POOBALAN M
14	112720114309	PRASANTH A
15	112720114310	PRATHYAS R
16	112720114311	SIVARAMAN S
17	112720114312	UDHAYA KUMAR R

1/9/22

HOD MECH

Dr. A. SHADRACH JEYA SEKARAN M.E., Ph.D.
Professor & Head
Department of Mech[illegible] Engineering
St. Peter's College of Engineering and Technology,
Avadi, Chennai - 600 054.

St. PETER'S

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Avadi, Chennai, Tamilnadu – 600 054

Department of Mechanical Engineering

Industrial Visit to "TVS Training and Service" on 02.09.2022

II Mech

S. No.	Reg. No.	Students Name
1	112721114001	AJAI ROHITH SINGH R
2	112721114002	GUNA V
3	112721114003	JEGAN R
4	112721114004	SHAKTHIVELAN PM
5	112721114005	SIDHARTH B
6	LEME 01	HARIKRISHNAN
7	LEME 02	AJITHKUMAR

1/9/22

HOD MECH

Dr. A. SHADRACH JEYA SEKARAN M.E., Ph.D.
Professor & Head
Department of Mechanical Engineering
St. Peter's College of Engineering and Technology,
Avadi, Chennai - 600 054.

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Avadi, Chennai, Tamilnadu – 600 054

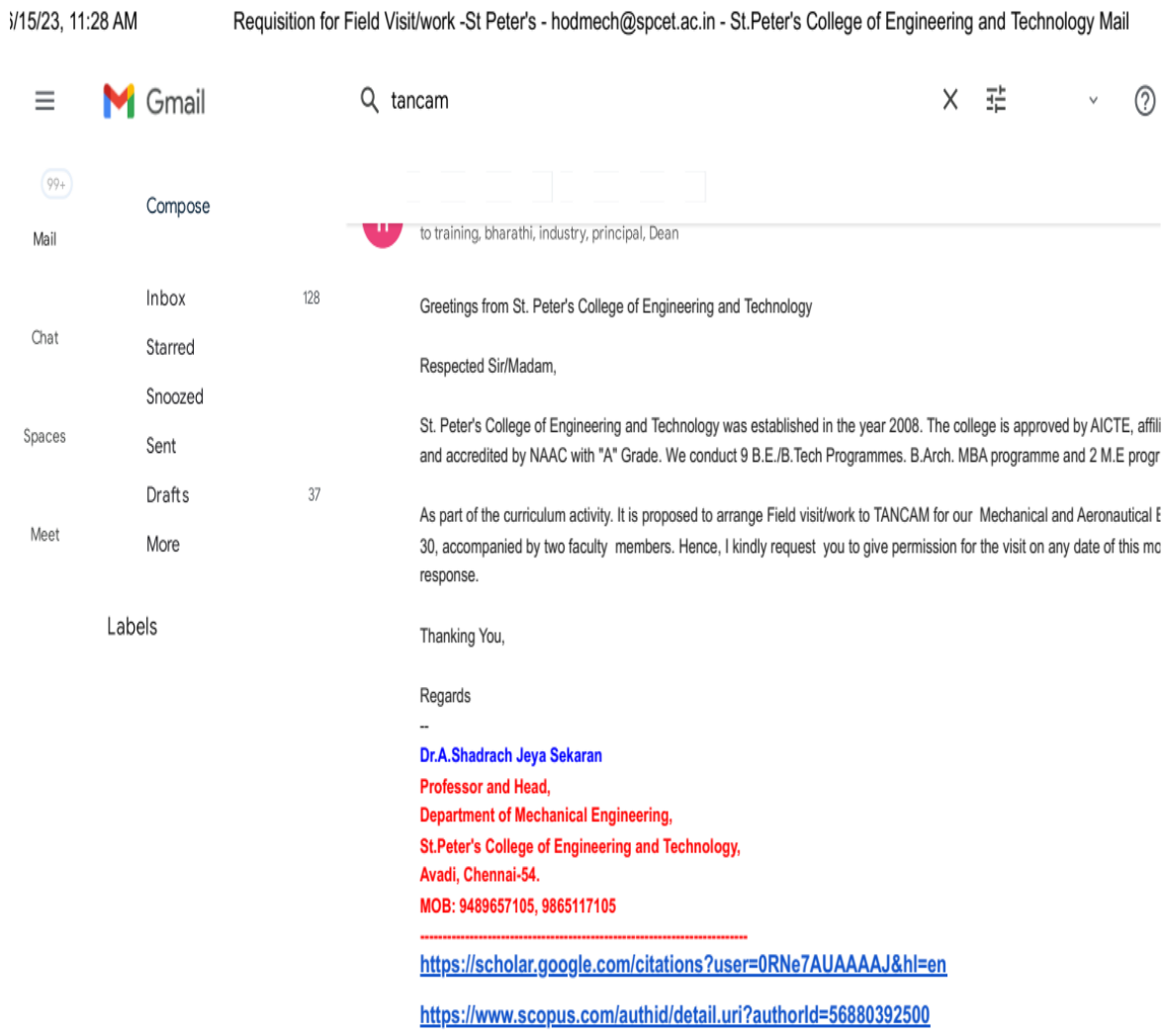
REPORT ON INDUSTRIAL VISIT

Place of visit: TVS Training and Service Ltd, Technical Training centre, Date: 02nd September 2022.

The batch of 7th, 5th and 3rd semester students of Mechanical Engineering Department along with faculties, Mr. S. Abilash, and Mr. M.V. Manivannan has visited TVS Training and Service Ltd, Technical Training centre, at Ambattur in Chennai. This visit was mainly focused on to understand the concept of maintenance and service of various on road motor vehicles, the technical experts from TVS Training and Service Ltd., explained the maintenance, quality assurance, assembling process and servicing of various on road motor vehicles and the replacement of various equipment's and parts used in it while servicing. As students of Mechanical engineering we learned a few Mechanical applications and servicing and maintenance procedure of various on road motor vehicles. We express our thanks to the principal and HOD who permitted us to go to the visit. Behalf the students I request you to arrange more industrial visit which can practically train the students.

TVS Training and Service Ltd Industrial Visit on 02.09.2022

2. TANCAM



5/15/23, 11:28 AM Requisition for Field Visit/work -St Peter's - hodmech@spcet.ac.in - St.Peter's College of Engineering and Technology Mail

Gmail tancam

Compose

Mail 99+

Inbox 128

Chat

Starred

Snoozed

Spaces

Sent

Drafts 37

Meet

More

Labels

to training, bharathi, industry, principal, Dean

Greetings from St. Peter's College of Engineering and Technology

Respected Sir/Madam,

St. Peter's College of Engineering and Technology was established in the year 2008. The college is approved by AICTE, affili and accredited by NAAC with "A" Grade. We conduct 9 B.E./B.Tech Programmes. B.Arch. MBA programme and 2 M.E progr

As part of the curriculum activity. It is proposed to arrange Field visit/work to TANCAM for our Mechanical and Aeronautical E 30, accompanied by two faculty members. Hence, I kindly request you to give permission for the visit on any date of this mc response.

Thanking You,

Regards

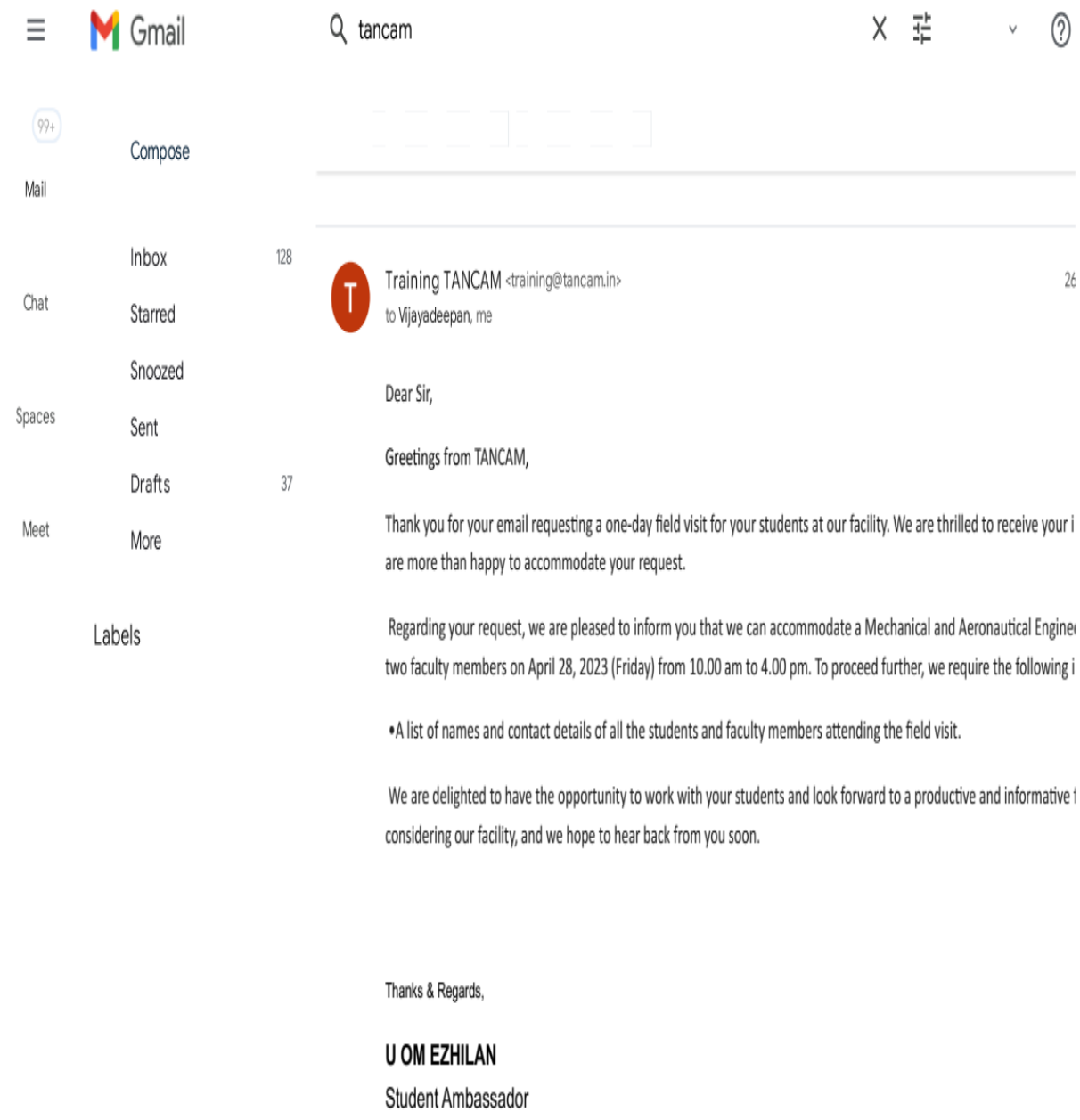
--

Dr.A.Shadrach Jeya Sekaran
Professor and Head,
Department of Mechanical Engineering,
St.Peter's College of Engineering and Technology,
Avadi, Chennai-54.
MOB: 9489657105, 9865117105

https://scholar.google.com/citations?user=0RNe7AUAAAAJ&hl=en

https://www.scopus.com/authid/detail.uri?authorId=56880392500

6/15/23, 11:29 AM Requisition for Field Visit/work -St Peter's - hodmech@spcet.ac.in - St.Peter's College of Engineering and Technology Mail



Gmail tancam

Compose

Mail

Inbox 128

Chat

Starred

Snoozed

Spaces

Sent

Drafts 37

Meet

More

Labels

Training TANCAM <training@tancam.in> 26

to Vijayadeepan, me

Dear Sir,

Greetings from TANCAM,

Thank you for your email requesting a one-day field visit for your students at our facility. We are thrilled to receive your i are more than happy to accommodate your request.

Regarding your request, we are pleased to inform you that we can accommodate a Mechanical and Aeronautical Engine two faculty members on April 28, 2023 (Friday) from 10.00 am to 4.00 pm. To proceed further, we require the following i

•A list of names and contact details of all the students and faculty members attending the field visit.

We are delighted to have the opportunity to work with your students and look forward to a productive and informative considering our facility, and we hope to hear back from you soon.

Thanks & Regards,

U OM EZHILAN

Student Ambassador

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Avadi, Chennai, Tamilnadu – 600 054

INDUSTRIAL VISIT

Date: 27/04/2023

From:

The HOD of-Mechanical Engineering
St.Peter's College of Engineering & Tecnology,
Avadi, Chennai-54.

To:

The Principal
St.Peter's College of Engineering & Tecnology,
Avadi, Chennai-54.

Sir,

Sub:SPCET INDUSTRIAL VISIT –Bus requested-Reg.

The Student of II, III, IV year department of-Mechanical Engineering Numbering-49-accompanies by-02-faculty member have programmed for An industrial visit to the-TANCAM-(company)at-Tharamani-Chennai (place) on date-28/4/23 at 8.30am-am/~~pm.~~

So I rquest you to kindly spare the college bus.

Your's Faithfully

HOD 27/04/23

Encl:Xerox

1.Faculty Name. Mr.S. ABILASH, Mr.D. Sathiyamoorthy

2.Student Name list. - Enclosed

3.Company permission letter(Xerox)

Suggestions.

T, AT2 27/4/23

Veh no: TN12T4587
Dri name: Mr.A. Rajan
Ph- 8667759977

Transport Manager

Principal 27/4/23

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Department of Mechanical Engineering

Industrial Visit to "Tamil Nadu Centre of Excellence for Advanced Manufacturing (TANCAM)" on 28.04.2023

IV Mech

S. No.	Reg. No.	Students Name
1	112719114001	AFTHAAB ABDULLA
2	112719114002	AJAY PANDIYAN. S
3	112719114003	ALVIN GERSHAN J
4	112719114004	DEEPAK PAKALA
5	112719114005	GALI JOHN WESLY
6	112719114006	GOGUL SUNDAR .S
7	112719114007	P.HEMANATH
8	112719114008	JAYASURYA. M
9	112719114009	KISHORE.S
10	112719114010	PAVUN KUMAR.D
11	112719114011	PRADEEP A
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15	112719114016	SATHISH.K
16	112719114017	SHYAM DHINAKARAN Y
17	112719114301	AGNEL GILES ANTON S
18	112719114302	T.T.ARAVIND BALAJI
19	112719114303	G.K.BHUVAN KUMAR
20	112719114304	T. DANIEL
21	112719114307	M. PARTHASARATHY
22	112719114308	R B SHANGAR GOVIND

27/04/23

HOD MECH

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Avadi, Chennai, Tamilnadu – 600 054

Department of Mechanical Engineering

Industrial Visit to "Tamil Nadu Centre of Excellence for Advanced Manufacturing (TANCAM)" on 28.04.2023

III Mech

S.No.	Reg.No.	Student Name
1	112720114001	AKASH D
2	112720114003	FANIX D
3	112720114004	KAAVIYAN D
4	112720114005	MONESH M
5	112720114007	RICHARD ALOSHYAS JP
6	112720114301	BALAJI S
7	112720114302	CHERANJEEVI M
8	112720114303	GOKUL M
9	112720114304	MADHAN KUMAR B
10	112720114305	MANIKANDAN R
11	112720114306	MOHAN K
12	112720114307	MUGUNDHAN M
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16	112720114311	SIVARAMAN S
17	112720114312	UDHAYA KUMAR R

27/04/23

HOD MECH

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Avadi, Chennai, Tamilnadu – 600 054

Department of Mechanical Engineering

Industrial Visit to "Tamil Nadu Centre of Excellence for Advanced Manufacturing (TANCAM)" on 28.04.2023

II Mech

S. No.	Reg. No.	Students Name
1	112721114001	AJAI ROHITH SINGH R
2	112721114002	GUNA V
3	112721114003	JEGAN R
4	112721114004	SHAKTHIVELAN PM
5	112721114005	SIDHARTH B
6	112721114301	ABISHEK S
7	112721114302	V.AJITHKUMAR
8	112721114303	R.KARTHIK
9	112721114304	KISHORE A
10	112721114305	S.SATHISH

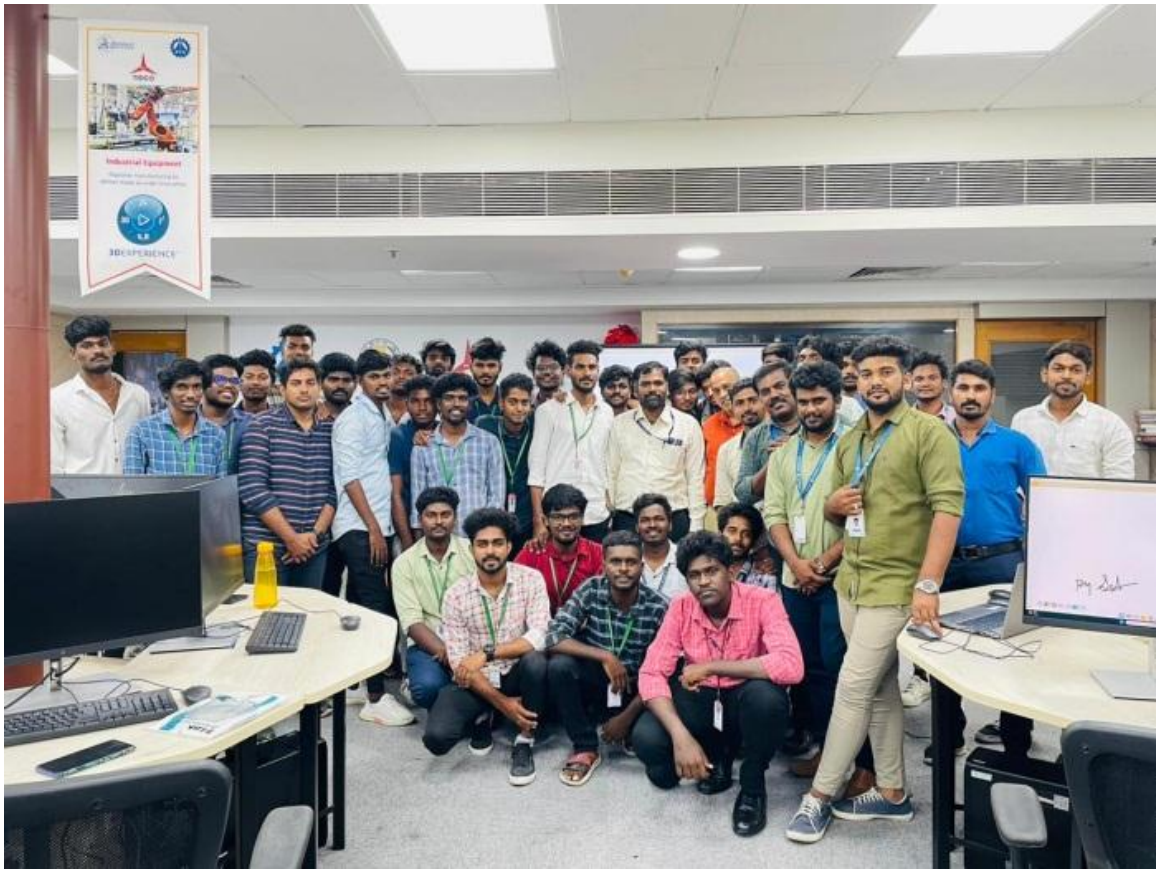
27/04/23

HOD MECH

REPORT ON INDUSTRIAL VISIT

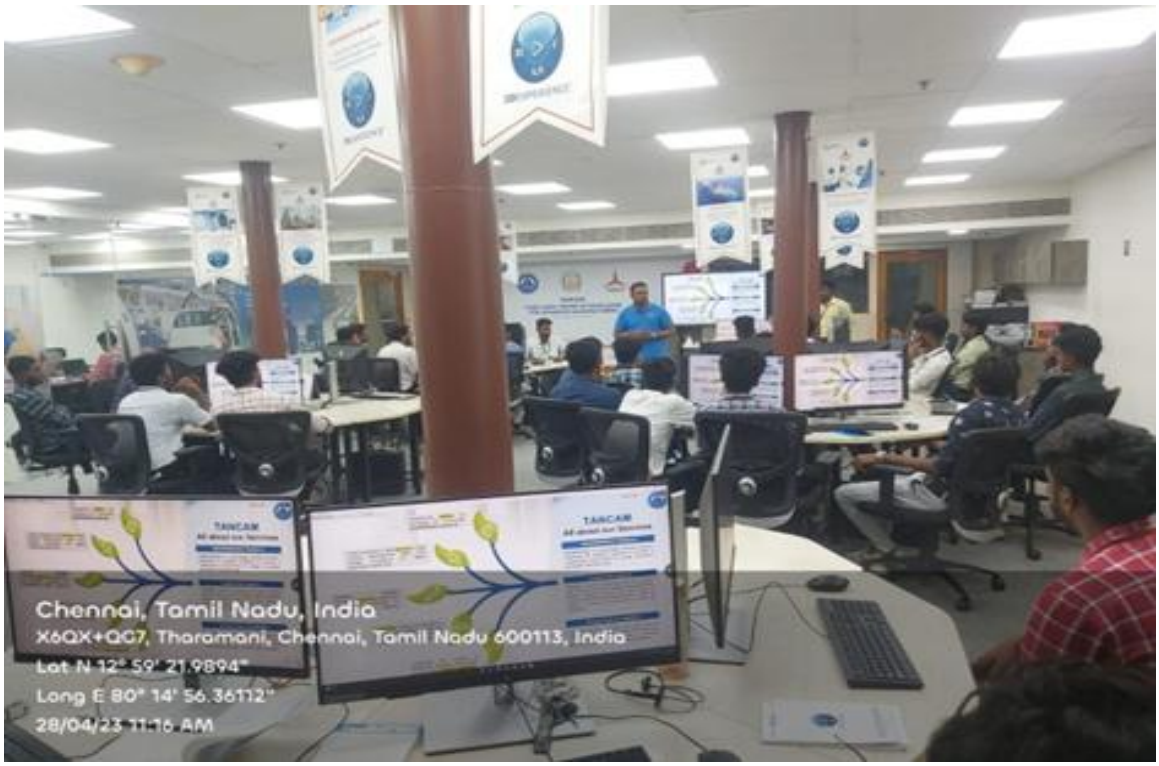
Place of visit: "Tamil Nadu Centre of Excellence for Advanced Manufacturing" (TANCAM), Date: 28th April 2023.

The batch of 8th, 6th and 4th semester students of Mechanical Engineering Department along with faculties, Mr. S. Abilash, and Mr. D. Sathiyamoorthy has visited "Tamil Nadu Centre of Excellence for Advanced Manufacturing" (TANCAM), at Tidal Park in Chennai.

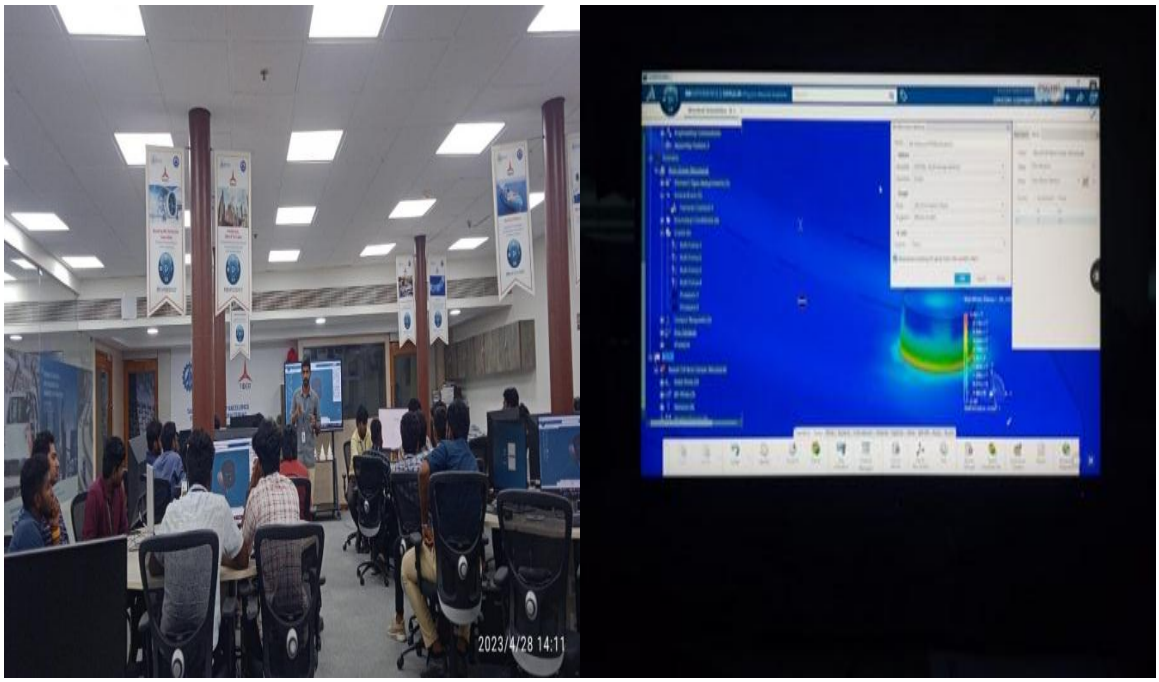


Mechanical Studnets and Faculty with Industry Experts at TANCAM

This visit was mainly focused on to understanding the advanced concepts used in the design and development of a new product in product design field by using cutting edge technologies like virtual twin and augmented reality in mechanical fields, the technical experts from TANCAM, explained the thoroughly the ambiguities and their struggles to develop a quality product that highly satisfy customer needs with suitable environmental constraints.

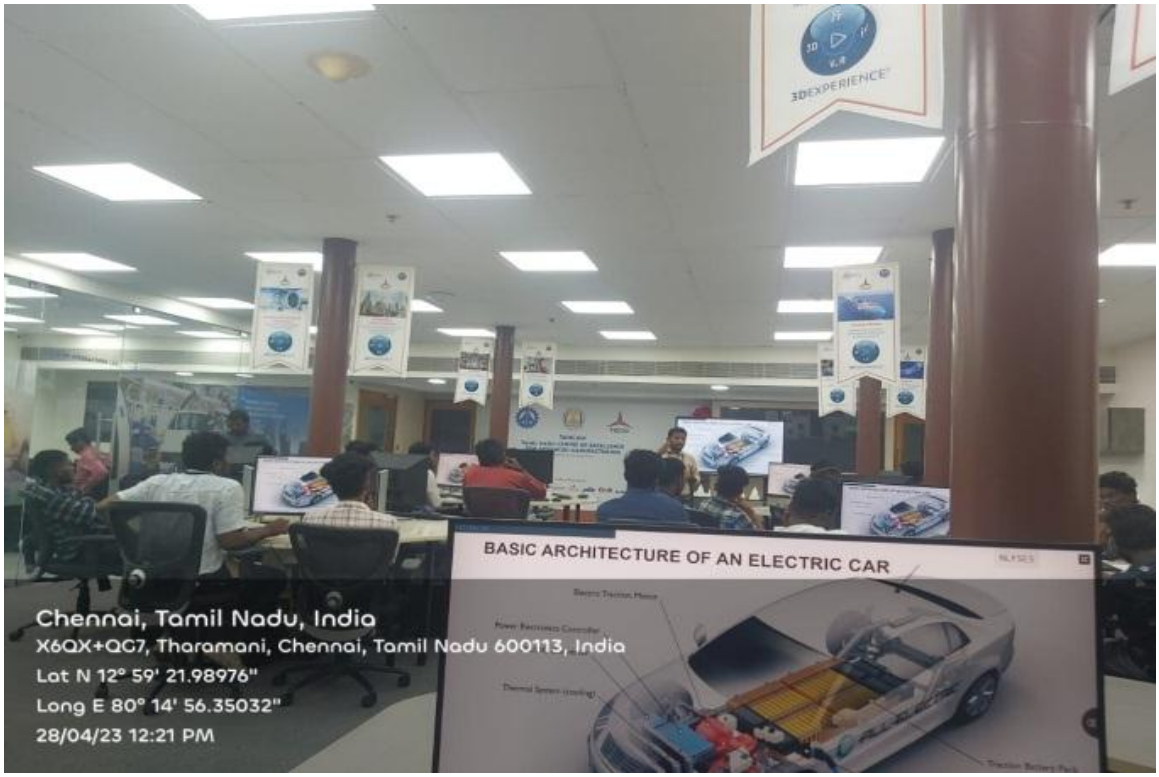


Training Session on Future of Mechanical Engineering in the Design field



Demonstration on Design in 3D Experience

Demonstration on Virtural Reality



Training Session on Electric Vehicle Technology

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On Hands Training on Rapid 3D Printing

Demonstration on Design in 3D Experience, Virtual Reality, 3D Printing and Electric Vehicle Technology has been and ended with TANCAM director speech.

HOD/Mech