



VEL TECH HIGH TECH

Dr. RANGARAJAN Dr. SAKUNTHALA ENGINEERING COLLEGE

An Autonomous Institution
Approved by AICTE-New Delhi, Affiliated to Anna University, Chennai
Accredited by NBA, New Delhi & Accredited by NAAC with "A" Grade & CGPA of 3.27
DEPARTMENT OF CHEMICAL ENGINEERING

ISSUE OF NEWS LETTER FOR THE MONTH OF JAN-MARCH 2022

1. GUEST LECTURES

The Department of Chemical Engineering Conducted Webinar on "ENTREPRENEURSHIP AWARENESS PROGRAMME" by Shri C.P. Reddy and Kiran Dev satuluri on 08.03.2022 at 10.30 am – 12.30 pm

Vel Tech High Tech
Dr. Rangarajan Dr. Sakunthala Engineering College
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DEPARTMENT OF CHEMICAL ENGINEERING AND INSTITUTION'S INNOVATION COUNCIL
In association with
MSME DEVELOPMENT INSTITUTE, CHENNAI
presents
ENTREPRENEURSHIP AWARENESS PROGRAMME
08.03.2022

CHIEF PATRONS
Col. Prof. Dr. Vel. Shri. R. Rangarajan
Founder President and Chairman
Dr. Sagunthala Rangarajan
Vice Chairman

PATRON
Prof. Dr. E. Kamalanaban,
Principal

CONVENORS
Dr. D. Yuvaraj
Dean/ SoBCE
Dr. B. Bharathiraja,
Dean/R&D
Dr. Gopinath M
Associate Dean, IIC

CO-CONVENORS
Dr. J.B. Veeramalini
HoD/Chemical
Dr. A. Saravananaraj
Deputy Dean/PPP

PROGRAM CO-ORDINATORS
Dr. Siliveru Upendar
Assistant Professor
Ms. Manjupriya B
Assistant Professor

VENUE
Thomas Alva Edison Seminar Hall



2. INDUSTRIAL VISITS

The Department of Chemical; Engineering organized an Industrial Tour on 22.03.22 to Chakaravarthi soap for II and III Students





3.Club Activities Conducted

The Department of Chemical Engineering Conducted Hands on Training Programme on “FIVE DAY SKILL DEVELOPMENT PROGRAMME” by Kadhi Village Industries commission on 28.03.2022 to 01.04.2022 at 8.30 am – 03.30 pm

**Vel Tech High Tech**
Dr.Rangarajan Dr.Sakunthala Engineering College
An Autonomous Institution
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University, Chennai

TNEA CODE 1122


75
आज़ादी का अमृत महोत्सव

DEPARTMENT OF CHEMICAL ENGINEERING
(Accredited by NBA)
&
CHEMFORUM-Students Activities Club
In Association with
KHADI VILLAGE INDUSTRIES COMMISSION
(Ministry of MSME , Govt. of India)
Organizes
a
“ FIVE DAYS SKILL DEVELOPMENT PROGRAMME”
Hands on Training-Preparation of Simple Chemicals
DATE : 28-03-2022 to 01-04-2022

CHIEF PATRONS
Col. Prof. Dr. Vel. Shri. R. Rangarajan
Founder President and Chairman
Dr. Sagunthala Rangarajan
Vice Chairman

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Dr.B.Bharathiraja,
Dean/R&D
Dr.Gopinath M
Associate Dean,HC

CO-CONVENOR
Dr.J.B.Veeramalini
HoD/Chemical
Dr.A.Saravanaraj
Deputy Dean/PPP

PROGRAM CO-ORDINATORS
Dr.Silveru Upendar
Assistant Professor
Ms.Manjupriya B
Assistant Professor

STUDENT COORDINATORS
All chemical Engineering students


VENUE
THOMAS ALVA EDISON HALL



4. STUDENTS CORNER

Student Publications

S.NO	VH NO	Name	Semester	Article Title	Journal Name	Period of Publication	Indexing
1	Nil						

Student Participation/Paper Presentations in Conferences and Seminars

S.N O	VH NO	Name	Sem	Conference/Seminar Title	Hosted by	Date and Venue
1	VH9827 VH9841 VH9862	Aakaash K.S Janani Bai. L Saran Kirthic.M.P	VI	Sustainable Technologies in water treatment and desalination (STWTD-2022)	NIT Calicut	21.01.2022
2	VH9830 VH9833 VH9829	Ann Marie Bobby Dhanush Kumar.A Ajith kumar P.	VI	SISTEEM 2022	Bannari Amman College of Engineering	23.03.2022

Student Participations in Workshops/Symposias

S.NO	VH NO	Name	Semester	Workshop	Hosted by	Date and Venue
1	NIL					

Student Awards

S. No	VH No.	Name	Yr	Date	Title of the Conference	Paper Title/Event	Other Information
1.	NIL						

Student Final Year Projects

Batch No	Name of the Student	VH No	Project Title	Guided By
1	Arul Raj V Arun Kumar R Rakesh M	VH9775 VH9728 VH9726	Water Chemistry in Thermal Power Plant	Mr. P Vinosh Muthu Kumar
2	Barath Vajan P Jayamoorthi N Santhosh Kumar S	VH9732 VH9730 VH9766	Comparative Study of Lignite and Coal	Ms. M. Janani
3	Harikesavan. M	VH9752	Bio Weedicides (Bio-Herbicides) From Nerium, Thevetia and Lantana Plants for Weed Management	Dr. Saravana Raj. A
4	Harsha Vardhan. A Mohammed Ishak N	VH9753 VH9770	Fabrication And Testing of Hybrid Composite Materials	Ms. B. Manju Priya
5	Deepapriya.L Jovitha.B Sathiyaa.G	VH9768 VH9758 VH9773	A Sustainable Technique for The Conversion of Waste (Glass) Into Commercial Product	Dr. J.B. Veeramalini
6	Gokula Krishnan V Meshak R P	VH9721 VH9756	A Study and Analysis About Clinker Formation in The Thermal Boiler	Mr. Tamarai Selvan. A
7	Vairamani S Bharath R	VH9750 VH9765	Design Of Biofilter for the Pretreatment of Seawater by Biological Purpose for Drinking Purpose	Dr. B. Bharathi Raja Dr. A. Saravana Raj
8	Deepika R Janani V Sreelekha G	VH9754 VH9722 VH9727	Implementation And Validation of Zero Liquid Discharge	Dr. J. B. Veeramalini
9	Jayakamesh T	VH9759	Production Of Rhamnolipids from Selected Bacteria On Synthetic And Natural Medium	Dr. A. Saravana Raj
10	Karthick R Prasanth P Yashvanth Kumar S.R	VH9749 VH9729 VH9761	Study On Lithium Recovery from Spent Lithium-Ion Batteries	Dr. B. Bharathiraja
11	R. Rubesh Krishnan P. Lokeshwaran P. Nithish Kumar	Vh9811 Vh9763 Vh9723	A Study About Clinker Formation in Thermal Boiler	Mr. Tamarai Selvan. A
12	Gokul G Mohammed Yasin M	VH9805 VH9808	Removal Of Hardness from Raw Water	Mr. P. Vinosh Muthukumar

				Dr. J.B.Veeramalini
13	Vishnu Gowtham. V Parthiban. R	VH9731 VH9764	Ultrasound Assisted Biodiesel Production from Polyalthia Longifolia Oil	Ms. B. Manju Priya
14	P. Prakash R. Yashwanth Kumar	VH9757 VH9767	Optimization Of Pharmaceutical Waste Water Treatment by Using Mini Tab	Dr. J. B. Veeramalini
15	T.Praveen	VH9762	Zn-Po ₄ ⁻ Solubilizing Microbes for Better Nutrient Uptake by Plants	Dr. A. Saravana Raj
16	Ranjith Kumar S Thomas Edison B Poorani S	VH9769 VH9751 VH9198	Treatment Of Petrochemical Wastewater Using Fenton Process	Mr. P. Vinosh Muthukumar
17	Sanjai S Vishva B	VH9755 VH9774	Green Synthesis of ZnO Nanoparticles Using Plant Extract of Andrographis Alata And Active-Carbon Based Removal of Ciprofloxacin from Pharmaceutical Wastewater	Mr. A. Thamarai Selvan
18	Ugesh Kumar V	VH9771	Evaluation Of Bio Availability of Minerals by Commercial Phytase Enzyme on Cereals and Grains	Dr. B. Bharathiraja
19	Dilli Ganesh D Menatchi Sundaram V	VH9806 VH9807	Design And Fabrication of Solar Still with Constant Solar Intensity	Dr. Saravanaraj
20	Naveen.M Gokulraj.S	VH9760 VH9815	Design And Development Of Floatable Photocatalysts For The Degradation Of Dye Molecules Under Solar Light Irradiation	Dr. B. Bharathiraja

Students Internships/Implant Trainings/Mini Projects/Innovations etc should be recorded here.

Dineshkumar. S, of III Year has completed **Internship Programme in Kaashiv Info tech from 02.01.22 to 01.02.2022 (1 month).**

Thinagarar. V, of III Year has completed **Internship Programme in Synthiya Research Labs from 02.02.22 to 10.02.2022 (9 days).**

5. CLUB ACTIVITIES

Pl mention the Club Name, Events conducted, description of the events, Any prizes won. etc

PARTICIPATION IN SPORTS

S.No	Name	Year	Event	Prizes	Event Venue
1	Pradeep and Team	III	Handball	Winner	VTHT
2	Mohammed Ukasha and Team	IV	Basket ball	Winner	VTHT
3	Mohammed Faiz and Team	IV	Football	Runner	VTHT
4	Lalith kumar	III	Badminton	Winner	VTHT
5	Prathap	III	Shotput	Winner	VTHT
6	Prathap	III	Javelin throw	Winner	VTHT
7	Prathap	III	Discuss throw	Winner	VTHT
8	Janani and Team	IV	Throwball	Runner	VTHT

6. STUDENT ARTICLES

Article



By Pradeep



By Vamsi. R. M



By Jerine Daniel (II Year)

7. ALUMNI CORNER

Alumni Interaction

- 1. The Department of Chemical Engineering Conducted Alumni Interaction on 26.03.22 in virtual mode.**

Alumni Name: Mr. R. Rajkiran



Ve Tech High Tech
Dr.Rangarajan Dr.Sakunthala Engineering College
 (An Autonomous Institution)

Department of Chemical Engineering

presents

“Alumni Interaction”

Date : 26.03.2022
 Time : 01:00 pm to 02:00 pm
 Venue : Thomas Alva Edison Hall

<https://meet.google.com/zcb-kdgu-kmu>



Mr. R. Rajkiran
*Senior Executive, Reliance Industries,
 Jamnagar, Gujarat.*

CHIEF PATRONS

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 Founder President and Chairman

Dr. Sagunthala Rangarajan
 Vice Chairman

PATRON
Dr. E.Kamalanaban
 Principal

CONVENOR

Dr.D.Yuvaraj
 Dean - SoBCE

Dr.B.Bharathiraja
 Dean - R&D

CO-CONVENOR

Dr.J.B.Veeramalini
 HoD - Chemical Engineering

CO-ORDINATORS

Dr.A.Saravananaraj
 Deputy Dean - PPP

Ms. M. Janani
 Asst. professor, Chemical Engineering

11:41

About this call

People

Info

- J.Bavani 286
- Janani L
- jayashree Sriniv...
- Junehajabeen e...
- Logeshwari N
- LOKESHWARAN...
- Malathi Malathi
- Mani Mekala
- Monisha S
- NANTHINI S J

11:41

About this call

People

Info

- ROHAN DANI
- Roop Sathya ku...
- Rubesh Krishna...
- S Mohanapriya
- sainik akash
- Sanjay Srinivasan
- Sarumathi
- Selva Muthulaks...
- Shesha R
- Shruthi AE

8. FACULTY CORNER

Faculty Publications

S.NO	HTS NO	Name	Designation	Article Title	Journal Name	Period of Publication	Indexing
1	HTS 844	Dr. B. Bharathiraja	Professor	Transgenicis m in algae: Challenges in compatibility, global scenario and future prospects for next generation biofuel production	Renewable and Sustainable Energy Reviews	Feb 2022	154, 111829
2	HTS 844	Dr. B. Bharathiraja	Professor	Biobased Aromatics– Challenges and Opportunities for Development of Lignin as Future Building Blocks	Handbook of Biomass Valorization for Industrial Applications	Jan 2022	
3	HTS 844	Dr. B. Bharathiraja	Professor	Anaerobic biobutanol production from black strap molasses using <i>Clostridium acetobutylicum</i> MTCC11274: Media engineering and kinetic analysis	Bioresource Technology	Feb 2022	

4	HTS 844	Dr. B. Bharathiraja	Professor	Biodiesel production: key factors affecting the efficiency of the process	Production of Biodiesel from Non-Edible Sources	Jan 2022	
5	HTS 697	Dr. Saravana Raj. A	Assistant Professor	Metabolic heat coherent growth of Halomonas variabilis (H V) for enhanced production of Extracellular Polymeric Substances (EPS) in a Bio Reaction Calorimeter (BioRC)	Preparative Biochemistry & Biotechnology	Jan 2022	Vol 50 1
6	HTS 697	Dr. Saravana Raj. A	Assistant Professor	Natural compound-based interfacial stabilization of nanoemulsions	Bio-Based Nanoemulsions for Agri-Food Applications	Feb 2022	

Faculty Participation/Paper Presentations in Conferences and Seminars

S. No	HTS No.	Name	Date	Title of the Conference	Place
		NIL			

ISSUE OF NEWS LETTER FOR THE MONTH OF APRIL - JUNE 2022

1. GUEST LECTURES

The Department of Chemical Engineering Conducted Guest lecture on “Fundamentals of RTD in the reactor and its application towards Process Industries” on 09.04.2022 at 1.30 pm – 3.15 pm



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DEPARTMENT OF CHEMICAL ENGINEERING

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&

CHEMFORUM-Students Activities Club

In Association with

IICHE – VEL TECH HIGH TECH STUDENT CHAPTER

Organizes

Guest lecture

on

“Fundamentals of RTD in the reactor and its application towards Process Industries”

by

Dr. R. SARAVANATHAMIZHAN

Associate Professor

Department of Chemical Engineering

ACT Campus, Anna University, Chennai

Date: 09.04.2022

VENUE: Thomas Alva Edison Seminar Hall



The Department of Chemical Engineering Conducted Webinar on “Pursuing Passion as Profession for Engineers” on 20.05.2022 at 1.30 pm – 3.15 pm



Webinar on “Pursuing Passion as Profession for Engineers”
 20 May 2022



A report and Glimpse of the session

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TNEA CODE 1122

DEPARTMENT OF CHEMICAL ENGINEERING & INSTITUTION'S INNOVATION COUNCIL & CHEMFORUM TECHNICAL CLUB presents

Webinar on
PURSUING PASSION AS PROFESSION FOR ENGINEERS
 20.05.2022 & 1.30 to 3.15 PM

CHIEF PATRONS
 Col. Prof. Dr. Vel. Sree R. Rangarajan
Former President and Chairman
 Dr. Supriya Ranganathan
Ex-Chairman

PATRON
 Prof. Dr. E. Komalathasan,
Principal

CONVENORS
 Dr. D. Varadaraj
Dean, TCEC
 Dr. B. Bhaskararaja,
Dean, R&D
 Dr. Gopinath M
Dean, Chem. Eng.

CO-CONVENORS
 Dr. J. B. Venkatesh
Head, Chem. Eng.
 Dr. A. Suresh Kumar
Dean, Chem. Eng.

PROGRAM CO-ORDINATORS
 Mr. A. Thirumalavan
Assistant Professor
 Mr. S. Venkatesh
Assistant Professor

Resource Person

Mr. SARABANAN
MANAGING PARTNER
E-CREATOR'S
CHENNAI

VENUE
 Thomas Abo Edison Hall



← About this call

People	Info
VINCENT THOMAS Edison (You)	
Dept of Chemical Eng... Moulay Jeeva	100% 1
401E, Bennypraja	100% 1
ajith kumar	100% 1
BALAJI S SOU	100% 1
Barath vajin	100% 1
Isharini parvathi	100% 1
DEEPIKA- Ravj	100% 1
Dhanush M	100% 1
Dhanush Kumar 3009	100% 1
Dhanushwaran	100% 1
DHARMASAST	
DRESH P -300	

The Department of Chemical Engineering Conducted Guest lecture on “Spectroscopy and Chromatography Techniques” on 30.05.2022 at 1.30 pm – 3.15 pm

Vel Tech High Tech
Dr. Rangarajan Dr. Sakunthala Engineering College
An Autonomous Institution

IGWUGE GOLD NAAC A-GRADE

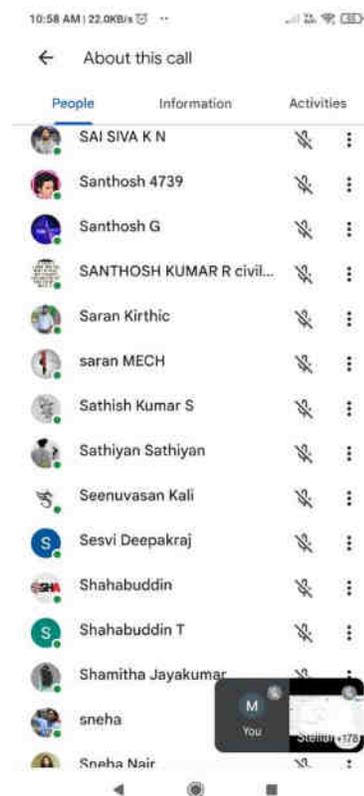
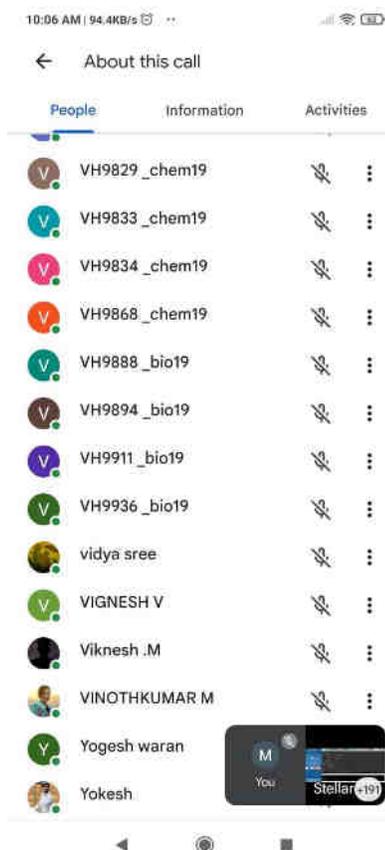
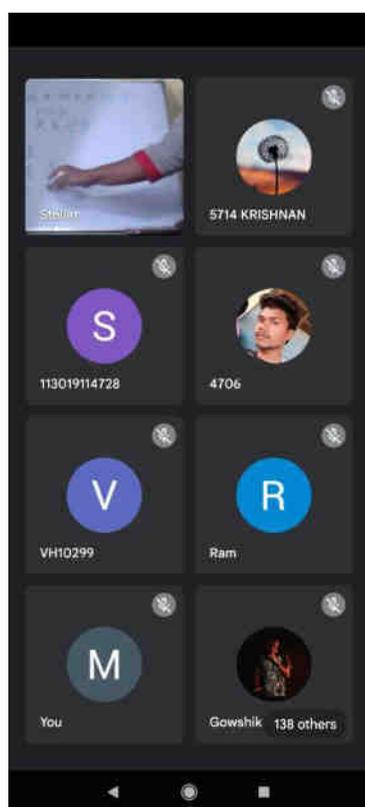
DEPARTMENT OF CHEMICAL ENGINEERING
In association with
IICHE- VEL TECH HIGH TECH STUDENT CHAPTER
jointly presents
A guest lecture on
"Spectroscopy and Chromatography Techniques"
by
Mr. J. Roshan Raj,
Product Specialist,
Spinco Biotech, Chennai.

Date:30/05/2022 venue: Thomas Alva 30:05:2022





The Department of Chemical Engineering Conducted Guest lecture on “Act together to protect our environment” on 04.06.2022 at 9.30 Am – 11.00 Am



2. NATIONAL CONFERENCES

The Department of Chemical Engineering Conducted National conferences on Environmental and sustainable Technologies” on 28.04.2022 and 29.04.2022



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National Conference on **“Environmental and Sustainable Technologies”**
28th & 29th April 2022
A report and Glimpse of the session



INSTITUTION'S INNOVATION COUNCIL
(Ministry of Education Initiative)



Vel Tech High Tech
Dr. Rangarajan Dr. Sakunthala Engineering College
(AN AUTONOMOUS INSTITUTION)

National Conference on Environmental & Sustainable Technologies
NEST 2022

In presence of
Col. Prof. Vel. Shri. Dr. R. Rangarajan
President & Chairman
Dr. Sakunthala Rangarajan
President & Vice-Chairman
Prof. Dr. E. Kamalanathan
President



3. ALUMNI CORNER

Alumni Interaction

The Department of Chemical Engineering Conducted Alumni Interaction on 9.04.22 at 11.00 am – 12.30 pm

Alumni Name: Dr. K. Aparna



The poster features logos for NAAC (A Grade), NEA, IGAUGE (Gold), and a circular emblem. The text is centered on a dark blue background with white and yellow text. The event details are listed in a white box, and the guest's name and affiliation are highlighted in an orange banner. The organizing committee members are listed in two columns at the bottom.

Ve Tech High Tech
Dr.Rangarajan Dr.Sakunthala Engineering College
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Department of Chemical Engineering
presents
“Alumni Interaction”

Date : 09.04.2022
Time : 11:00 pm to 12:30 pm
Venue : Thomas Alva Edison Hall

<https://meet.google.com/acb-kideu-kmu>

Dr. K. Aparna
Birla Institute of Technology & Science, Hyderabad.

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Founder President and Chairman

Dr. Sagunthala Rangarajan
Vice Chairman

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Dr. E.Kamalanaban
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Dr.B.Bharathiraja
Dean - R&D

CO-CONVENOR
Dr.J.B.Veeramalini
HoD - Chemical Engineering

CO-ORDINATORS
Dr.A.Saravananaraj
Deputy Dean - PPP

Ms. M. Janani
Asst. professor, Chemical Engineering

4.Club Activities Conducted

The Department of Chemical Engineering Conducted “FIVE DAY SKILL DEVELOPMENT PROGRAMME”, Hands on Training – Preparation of simple chemicals by Khadhi Village Industries commission on 28.03.2022 to 01.04.2022 at 8.30 am – 03.30 pm

   **Vel Tech High Tech**
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Organizes
a
“ FIVE DAYS SKILL DEVELOPMENT PROGRAMME”
Hands on Training-Preparation of Simple Chemicals
DATE : 28-03-2022 to 01-04-2022

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Dr.B.Bharathiraja,
Dean/R&D
Dr.Gopinath M
Associate Dean,HC

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Dr.A.Saravananaraj
Deputy Dean/PPP

PROGRAM CO-ORDINATORS
Dr.Silveru Upendar
Assistant Professor
Ms.Manjupriya B
Assistant Professor

STUDENT COORDINATORS
All chemical Engineering students



VENUE
THOMAS ALVA EDISON HALL



5. STUDENTS CORNER

Student Participation/Paper Presentations in Conferences and Seminars

S.NO	VH NO	Name	Sem	Conference / Seminar Title	Hosted by	Date and Venue
1	VH 9854	Logeshwari N.	VI	HAPTEN 2022	Arunai College of Engineering	09.06.22 to 10.06.22
2	VH 9830 VH 9833	Ann Marie Bobby Dhanush Kumar A.	VI	SYLLOGIC 2022	Kongu College of Engineering	07-04-2022
3	VH 9867 VH 9827 VH 9862	Thanikesh S. Aakash K. S. Saran Kirthic M.P	VI	SYLLOGIC 2022	Kongu College of Engineering	07-04-2022

Student Awards

S. No	VH No.	Name	Yr	Date	Title of the Conference	Paper Title/Event	Other Information
2.	VH 9854 VH 9863 VH 9866	LogeshwariN. Sarumathi S. Sheshatheri R	III	09.06.22 to 10.06.22	HAPTEN 2022	Bisorption of chromium recovery from an industrial effluent	Paper presentation - I prize
2.	VH 9830 VH 9833 VH10629	Ann Marie Bobby Dhanush Kumar A Dinesh kumar S	III	07-04.22	SYLLOGIC 2022	Standardization of essential oil by determining detox value through natural antioxidants	Paper presentation - I prize
3.	VH 9867 VH 9827	Thanikesh S., Aakash K. S. & Saran Kirthic M.P	III	07-04-2022	SYLLOGIC 2022	CNPs& cocoas Nucitera to treat tannery effluents	Technical Quiz - I prize

Student Final Year Projects

Batch No	Name of the Student	VH No	Project Title	Guided By
1	Arul Raj V Arun Kumar R Rakesh M	VH 9775 VH 9728 VH 9726	Water Chemistry in Thermal Power Plant	Mr. P Vinosh Muthu Kumar
2	Barath Vajan P Jayamoorthi N Santhosh Kumar S	VH 9732 VH 9730 VH 9766	Comparative Study of Lignite and Coal	Ms. M. Janani
3	Harikesavan. M	VH 9752	Bio Weedicides (Bio-Herbicides) From Nerium, Thevetia and Lantana Plants for Weed Management	Dr. Saravana Raj. A
4	Harsha Vardhan. A Mohammed Ishak N	VH 9753 VH 9770	Fabrication And Testing of Hybrid Composite Materials	Ms. B. Manju Priya
5	Deepapriya.L Jovitha.B Sathiyaa.G	VH 9768 VH 9758 VH 9773	A Sustainable Technique for The Conversion of Waste (Glass) Into Commercial Product	Dr. J.B. Veeramalini
6	Gokula Krishnan V Meshak R P	VH 9721 VH 9756	A Study and Analysis About Clinker Formation in The Thermal Boiler	Mr. Tamarai Selvan. A
7	Vairamani S Bharath R	VH 9750 VH 9765	Design Of Biofilter for the Pretreatment of Seawater by Biological Purpose for Drinking Purpose	Dr. B. Bharathi Raja Dr. A. Saravana Raj
8	Deepika R Janani V Sreelekha G	VH 9754 VH 9722 VH 9727	Implementation And Validation of Zero Liquid Discharge	Dr. J. B. Veeramalini
9	Jayakamesh T	VH 9759	Production Of Rhannolipids from Selected Bacteria On Synthetic And Natural Medium	Dr. A. Saravana Raj
10	Karthick R Prasanth P Yashvanth Kumar S.R	VH 9749 VH 9729 VH 9761	Study On Lithium Recovery from Spent Lithium-Ion Batteries	Dr. B. Bharathiraja
11	R. Rubesh Krishnan P. Lokeshwaran P. Nithish Kumar	VH 9811 VH 9763 VH 9723	A Study About Clinker Formation in Thermal Boiler	Mr. Tamarai Selvan. A
12	Gokul G Mohammed Yasin M	VH 9805 VH 9808	Removal Of Hardness from Raw Water	Mr. P. Vinosh Muthukumar Dr. J.B.Veeramalini
13	Vishnu Gowtham. V Parthiban. R	VH 9731 VH 9764	Ultrasound Assisted Biodiesel Production from Polyalthia Longifolia Oil	Ms. B. Manju Priya
14	P. Prakash	VH 9757	Optimization Of Pharmaceutical	Dr. J. B.

	R. Yashwanth Kumar	VH 9767	Waste Water Treatment by Using Mini Tab	Veeramalini
15	T.Praveen	VH 9762	Zn-PO ₄ ⁻ Solubilizing Microbes for Better Nutrient Uptake by Plants	Dr. A. Saravana Raj
16	Ranjith Kumar S Thomas Edison B Poorani S	VH 9769 VH 9751 VH 9198	Treatment Of Petrochemical Wastewater Using Fenton Process	Mr. P. Vinosh Muthukumar
17	Sanjai S Vishva B	VH9755 VH9774	Green Synthesis of ZnO Nanoparticles Using Plant Extract of Andrographis Alata And Active-Carbon Based Removal of Ciprofloxacin from Pharmaceutical Wastewater	Mr. A. Thamarai Selvan
18	Ugesh Kumar V	VH 9771	Evaluation Of Bio Availability of Minerals by Commercial Phytase Enzyme on Cereals and Grains	Dr. B. Bharathiraja
19	Dilli Ganesh D Menatchi Sundaram V	VH 9806 VH 9807	Design And Fabrication of Solar Still with Constant Solar Intensity	Dr. Saravanaraj
20	Naveen.M Gokulraj.S	VH 9760 VH 9815	Design And Development Of Floatable Photocatalysts For The Degradation Of Dye Molecules Under Solar Light Irradiation	Dr. B. Bharathiraja

Students Internships/Implant Trainings/Mini Projects/Innovations etc should be recorded here.

NIL

6. CLUB ACTIVITIES

Pl mention the Club Name, Events conducted, description of the events, Any prizes won. etc

PARTICIPATION IN SPORTS

S. No	Name	Year	Event	Prizes	Event Venue
1	Jayasakthi J	III	Basketball	Winner	VTHT
2	Karthikeyan R	III		Winner	VTHT
3	Lakshmanaraj V	III		Winner	VTHT
4	S C Veezhinathan	III		Winner	VTHT
5	Jamal Mohammed Ukasha	IV		Winner	VTHT
6	Mohamed Faiz V M	IV		Winner	VTHT

7	Dhanush S	IV		Winner	VTHT
8	Kishoor kumar L A	IV		Winner	VTHT
9	Vasanth T	IV		Winner	VTHT
10	Mohamed Faiz and Team	IV	Handball	Winner	VTHT
11	Rohan Dani Raj and Team	III & IV	Football	Runner	VTHT
12	Lalithkumar S	III	Shuttle	Winner	VTHT
13	Princia P	III	Chess	Winner	VTHT
14	Prathap E	III	Shortput	Winner	VTHT
15	Prathap E	III	Javellin	Winner	VTHT
16	Prathap E	III	Disc	Runner	VTHT

7. STUDENT ARTICLES

Article



M Raghul – II Year



Sharmila - II Year

வாணத்தில் அந்நிரம் விண்மீன்கள்
இருந்தாலும் அந்நிர அழகு சேர்ப்பது
அந்நிர நிலா - அந்நிரபாலநான் என்
வாழ்க்கையிலும் அந்நிரம் உறவுகள்
வந்து போனாலும் தாய் என்ற உறவுக்கு
இணை யாந்நிரமில்லை அந்நிர நிலவைப் போல ...

By Nambirajan A (II Yr)

8. FACULTY CORNER

Faculty Publications

S.No	HTS NO	Name	Designation	Article Title	Journal Name	Period of Publication
1	HTS 844	Dr.B.Bharathi raja	Professor	Techno economic analysis of malic acid production using crude glycerol derived from waste cooking oil	Bioresource Technology	May 2022
2	HTS 1393	Dr.J.B. Veeramalini	Associate Professor	Process amelioration for production of biohydrogen using mutated Rhodobacter M19 and Enterobacter aerogenesco-culture: Influence of nanoparticles	Fuel, Elsevier	June 2022

Faculty Participation in Faculty Development Program

S. No	HTS No.	Name	Date	Title of the Program	Venue
1.	HTS 1393	Dr.J.B.Veeramalini			
2.	HTS697	Dr. A. Saravanaraj			
3.	HTS825	Mr. Vinosh Muthukumar P	28-03-2022 to	Hands on Training – Preparation of simple chemicals	VTHT
4.	HTS1495	Ms. B.Manjupriya	01-04-2022		
5.	HTS1561	Ms. M.Janani			
6.	HTS 1590	Ms. S.Sunitha			

ISSUE OF NEWSLETTER FOR THE MONTH OF JULY -SEP 2022

1. NATIONAL CONFERENCES

The Department of Chemical Engineering Conducted National conferences on “Green Innovation for future Technologies” on 01.09.2022 to 02.09.2022



SERB Sponsored

2 Days National Conference
on

Green Innovation for Future Technologies
(GIFT 2022)

DATE : 01-09-2022 to 02-09-2022

Venue:- Saravanavel Auditorium

A report and Glimpse of the session



CHIEF PATRONS
Col. Prof. Vel. Shri. Dr. R. Rangarajan
Founder President & Chairman
Dr. Sakunthala Rangarajan
Foundress President & Vice Chairman

PATRON
Prof. Dr. E. Kamalanabau,
Principal

CONVENOR'S
Dr. V. R. Ravi,
Dean - Academics
Dr. B. Bharathiraja,
Dean - R&D

Dr. D. Yuvaraj
Dean - SoBCE
Dr. J. B. Veeramalini,
HoD - Chemical Engineering

ORGANIZING SECRETARY
Dr. A. Saravananaraj
Asst. Professor/Chemical Engineering

CHIEF GUEST
Dr. A. Sivasamy
Chief Scientist,
Head (Catalysis Science Laboratory) &
Professor - ACSIR
CSIR-CLRI, Chennai



2. Workshop

The Department of Chemical Engineering Conducted” Workshop on Five Days Skill Development Training Programme on Preparation of simple chemicals ” on 26.09.2022 to 30.09.2022



VelTech High Tech
Dr.Rangarajan Dr.Sakunthala Engineering College
(An Autonomous Institution)
Department of Chemical Engineering
CHEMFORUM-Students Activities Club
In Association with
KHADI VILLAGE INDUSTRIES COMMISSION
(Ministry of MSME , Govt. of India)
“ FIVE DAYS SKILL DEVELOPMENT TRAINING
PROGRAMME ON PREPARATION OF SIMPLE
CHEMICALS”
Date : 26.09.2022 to 30.09.2022
Venue : Thomas Alva Edison Hall



CHIEF PATRONS
Col. Prof. Dr. Vel. Shri. R.Rangarajan
Founder President and Chairman
Dr. Sagunthala Rangarajan
Vice Chairman

PATRON
Dr. E.Kamalanaban
Principal

CONVENOR
Dr.D.Yuvaraj
Dean - SoBCE
Dr.E.Bharathiraja
Dean - R&D
CO-CONVENOR
Dr.J.B.Veeramalini
HoD - Chemical Engineering
CO-ORDINATORS
Dr.A.Saravanaraj
Deputy Dean - PPP
Ms. B.Manjupriya
Asst. professor Chemical Engineering



3. INDUSTRIAL VISITS

The Department of Chemical; Engineering organized an Industrial Visit in “NLC India limited” Neyveli on 16.09.2022



1. The Department of Chemical; Engineering organized an Industrial Visit in “Central Institute of Petrochemicals Engineering and Technology (CIPET)” Guindy on 22.09.2022



4. STUDENTS CORNER

Student Participation/Paper Presentations in Conferences and Seminars

S. No	VH NO	Name	Sem	Conference / Seminar Title	Hosted by	Date and Venue
1	VH 9866	Sheshatheri R	VII	SCHEMCON	NIT Warangal	24.09.2022
2	VH 9863	Sarumathi K	VII	SCHEMCON	NIT Warangal	24.09.2022
3	VH 9844	Kishore kumar JJ	VII	SCHEMCON	NIT Warangal	24.09.2022
4	VH 9830	Ann Marie Bobby	VII	SCHEMCON	NIT Warangal	24.09.2022
5	VH 9833	Dhanush Kumar	VII	SCHEMCON	NIT Warangal	24.09.2022
6	VH 9827	Aakash K S	VII	SCHEMCON	NIT Warangal	24.09.2022
7	VH 9862	Saran krithic M P	VII	SCHEMCON	NIT Warangal	24.09.2022

Student Participations in Workshops/Symposias

S.No	VH NO	Name	Sem	Workshop	Hosted by	Date and Venue
1	VH 10809	Raghul	V	National Intellectual Property Awareness Mission	Intellectual Property Office, India	14.09.22

Students Internships/Implant Trainings/Mini Projects/Innovations etc should be recorded here.

Activity	No. of Students Participated/ Expected to participate	Industry and Date of Visit
Internship / In plant Training	6	Chennai Petroleum Corporation Limited - 08.08.2022 - 12.08.2022
	7	Manali Petrochemicals Limited - 04.08.2022 - 18.08.2022
	1	Coromandel International Limited Bioproduct Division - 08.08.2022 - 22.08.2022
	1	Ramco Cement - 01.08.2022 - 10.08.2022
	4	SVISS LABSS - 27.07.2022 - 06.08.2022

5. STUDENT ARTICLES

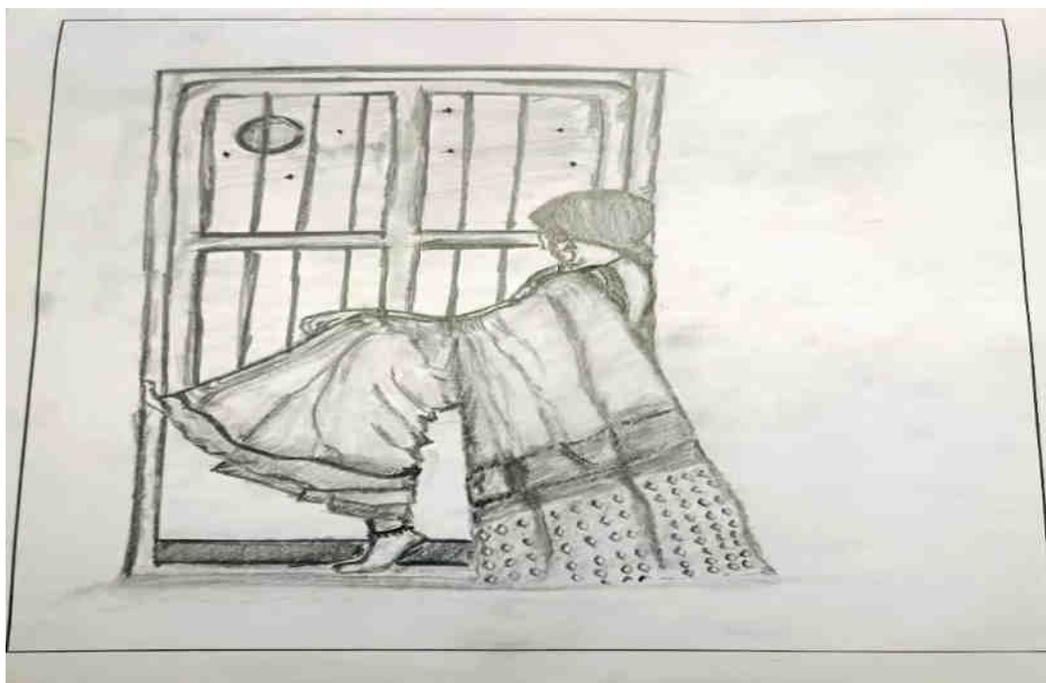
Article



By Induja. S (II Yr)



By Jerine Daniel J (III Yr)



By Naveen Kumar R (III Yr)

6. FACULTY CORNER

Faculty Publications

S. No	HTS NO	Name	Designation	Article Title	Journal Name	Period of Publication
1	HTS 844 HTS 825	Dr.B.Bharathiraja Mr.P. Vinosh Muthukumar	Professor Assistant Professor	Experimental Design Approach for Petrochemical Waste Water treatment using Solar Assisted Photo Fenton Process	Journal of the Indian Chemical Society, Elsevier	Aug 2022
2	HTS 1393	Dr.J.B.Veeramalini	Associate Professor	Trans-Esterification Studies on Avacado seed oil using carbon supported CuO nano catalyst : Rate kinetics and thermodynamic aspects	Journal of nano materials, Hindawi	July 2022

7. FACULTY AWARDS

S. No	HTS No.	Name	Yr	Date	Title of the Conference	Hosted by	Other Information
1.	HTS697	Dr. Saravana Raj. A	2022	23.9.2022	SCHEMCON 2022	NIT Warangal	Session chair

ISSUE OF NEWS LETTER FOR THE MONTH OF OCT - DEC 2022

1. GUEST LECTURES

The Department of Chemical Engineering Conducted Guest Lecture on “Entrepreneurship Awareness Program” by Mr. Manavalan KVIC – Government of India, Chennai – 21.10.2022



2.FDPs/WORKSHOPS/SEMINARS CONDUCTED

The Department of Chemical Engineering Conducted Workshop on “Preparation of Polychemicals ---- professional society activities” by Mr. Azhoor, KVIC – Government of India, Chennai on 17.10.2022 to 21.10.2022

The Department of Chemical Engineering Conducted Seminar on “Life skills for Entrepreneurship” on 18.11.2022 at 11.00 Am to 12.30 Pm

Seminar on “Life Skills For Entrepreneurship”

Vel Tech High Tech
Dr. Rangarajan Dr. Sakunthala Engineering College
An Autonomous Institution
(Approved by AICTE, New Delhi | Affiliated to Anna University, Chennai)

NAAC
A GRADE

IGWJGF
(Globally Inclined Working Journalists)
rated as
GOLD

Seminar on “LIFE SKILLS FOR
ENTREPRENEURSHIP”
18th Nov, 2022 &
11.00 AM to 12.30 PM

INSTITUTION'S
INNOVATION
COUNCIL
(Ministry of Education Initiative)

A report and Glimpse of the session

Vel Tech High Tech
Dr. Rangarajan Dr. Sakunthala Engineering College
An Autonomous Institution
Approved by AICTE, New Delhi | Affiliated to Anna University, Chennai

TNEA CODE 1122

DEPARTMENT OF CHEMICAL ENGINEERING &
INSTITUTION'S INNOVATION COUNCIL &
CHEMFORUM TECHNICAL CLUB
presents

Topic on
LIFE SKILLS FOR ENTREPRENEURSHIP
18.11.2022 & 11.00 AM to 12.30 PM

CHIEF PATRONS
Col. Prof. Dr. Vel. Shri. R. Kangarajan
Founder, President and Chairman
Dr. Sagunthala Kangarajan
Vice-Chairman

PATRON
Prof. Dr. E. Kamalamban,
Principal

CONVENORS
Dr. D. Venaraj
Dean, ICEE
Dr. B. Bharathiraja,
Dean, ESD
Dr. Gopinath M
Associate Dean, IC

CO-CONVENORS
Dr. J. B. Veeramaheshwari
HOD-Chemical
Dr. A. Saravananaraj
Deputy Dean, PPF

PROGRAM CO-ORDINATORS
Mr. A. Thamarasudhan
Assistant Professor
Ms. S. Sanitha
Assistant Professor

Resource Person

Mr. SARAVANAN
MANAGING PARTNER
E-CRUSADERS
CHENNAI

VENUE
Thomas Alva Edison Hall



3. ALUMNI CORNER

Alumni Interaction

The Department of Chemical Engineering Conducted “Higher Education Opportunities” by Mr. R. Sreejith M.Sc in Clean Energy Processes University of Erlalngel – Nuremberg, German on 21.10.2022



The Department of Chemical Engineering Conducted “Alumni Interaction on Overseas opportunity for Chemical Engineers” by Inzamamilhaq Get tech, Dubai on 22.11.2022



The Department of Chemical Engineering Conducted “ Future scope and Opportunities for Chemical Engineers in Polymer, Pharmaceutical and Paint Industries” by Ganesh Kumar K., Gokul Raj B. and Kalpana C Production supervisor, Polyelastic PVT LTD., Junior Executive, NATCO Pharma and Production Senior, Western Paint on 03.11.2022



4. STUDENTS CORNER

Student Participation/Paper Presentations in Conferences and Seminars

S. No	VH NO	Name	Sem	Conference/Seminar Title	Hosted by	Date and Venue
1	VH11040 VH10794 VH10805	Saravana A Vasanth M Sharmila S	V	VENZINI FIESTA	Anna University, Thruchy	14-10-2022
2	VH11040 VH10794 VH10809	Saravana A Sharmila S Raghul M	V	ECLECTIC 2k22	TJS Engineering college	21-10-2022

Student Awards

S.No	VH NO	Name	Yr	Date	Title of the Conference	Paper Title / Event	Other Information
1	VH11040 VH10794 VH10805	Saravana A Vasanth M Sharmila S	III	14-10-2022	Effluent treatment from Beverage industry through Anelioration process	VENZINI FIESTA	III Prize
2	VH11040 VH10794 VH10805	Saravana A Vasanth M Sharmila S	III	21-10-2022		ECLECTIC 2k22	II Prize

Students Internships/Implant Trainings/Mini Projects/Innovations etc should be recorded here.

Activity	Program Details	No. of Students Participated/ Expected to participate	Industry and Date of Visit
Internship/ In plant Training (Even Sem)	IV Year	1	Milma Diary, Thiruvananthapuram - 06.12.22 - 10.12.2022
		8	Balmer Lawrie Ltd - 01.12.22 - 10.12.2022
		4	Madras Fertilizer Ltd - 02.12.22 - 08.12.2022
		2	Nellore District Milk Producer Mutually Aided Co-operative Union LTD., 01.12.22 - 12.12.2022
		3	Fluoro Carbon Seals - 05.12.22 - 09.12.2022
		5	Petron Engineering Construction Ltd - 02.12.22 - 08.12.2022
		4	SNJ Breweries Private Limited - 02.12.22 - 12.12.2022
		3	Kumar Traders - 05.12.22 - 10.12.2022
		5	Carboline (India) Private Limited - 02.12.22 -

			07.12.2022
		3	Laxmi Industries - 01.12.22 - 13.12.2022
		1	Vasantham Enterprises - 01.12.22 - 10.12.2022
		10	Wabco India LTD., - 21.10.22 - 13.12.2022

Students NPTEL Course Details

VH NO	Name	Yr	NPTEL Course	%	Course Duration
VH 9830	Ann Maria Bobby	IV	Hydrogen Energy : Production , Storage, Transportation and Safety	64	July – Oct 2022
VH 9866	Dhanush Kumar A	IV	Hydrogen Energy : Production , Storage, Transportation and Safety	60	July – Oct 2022
VH 9844	Logeshwari N	IV	Hydrogen Energy : Production , Storage, Transportation and Safety	63	July – Oct 2022
VH 9836	Dhanushwaran R	IV	Chemical Process Safety	66	July – Oct 2022
VH 9849	Mohamed Faiz V M	IV	Aspen Plus Simulation Software - A Basic Course For Beginners	76	July – Oct 2022
VH 10792	Lakshmanaraj V	III	Mechanical Aspects	64	July – Oct 2022
VH 10793	Princia P	III	Mechanical Aspects	63	July – Oct 2022
VH 10809	Raghul M	III	Mechanical Aspects	47	July – Oct 2022

VH 9862	Saran Kirthic M P	IV	Soil Fertility and Fertilizers	67	July – Oct 2022
VH 9872	Vignesh V	III	Aspen Plus Simulation Software - A Basic Course For Beginners	54	July – Oct 2022
VH 9872	Vignesh V	III	Principle and Practices of Process Equipment and Plant Design	65	July – Oct 2022
VH 9863	Sarumathi S	III	Hydrogen Energy : Production , Storage, Transportation and Safety	71	July – Oct 2022

VH NO	Name	Yr	NPTEL Course	Score	Achievements	Other Information
VH 10792	Lakshmanaraj V	III	Introduction to Process Modelling and Simulation	64	Course Topper	He got selected for intenship at IIT Madras for 8 weeks

5. CLUB ACTIVITIES

Pl mention the Club Name, Events conducted, description of the events, Any prizes won. etc

PARTICIPATION IN SPORTS

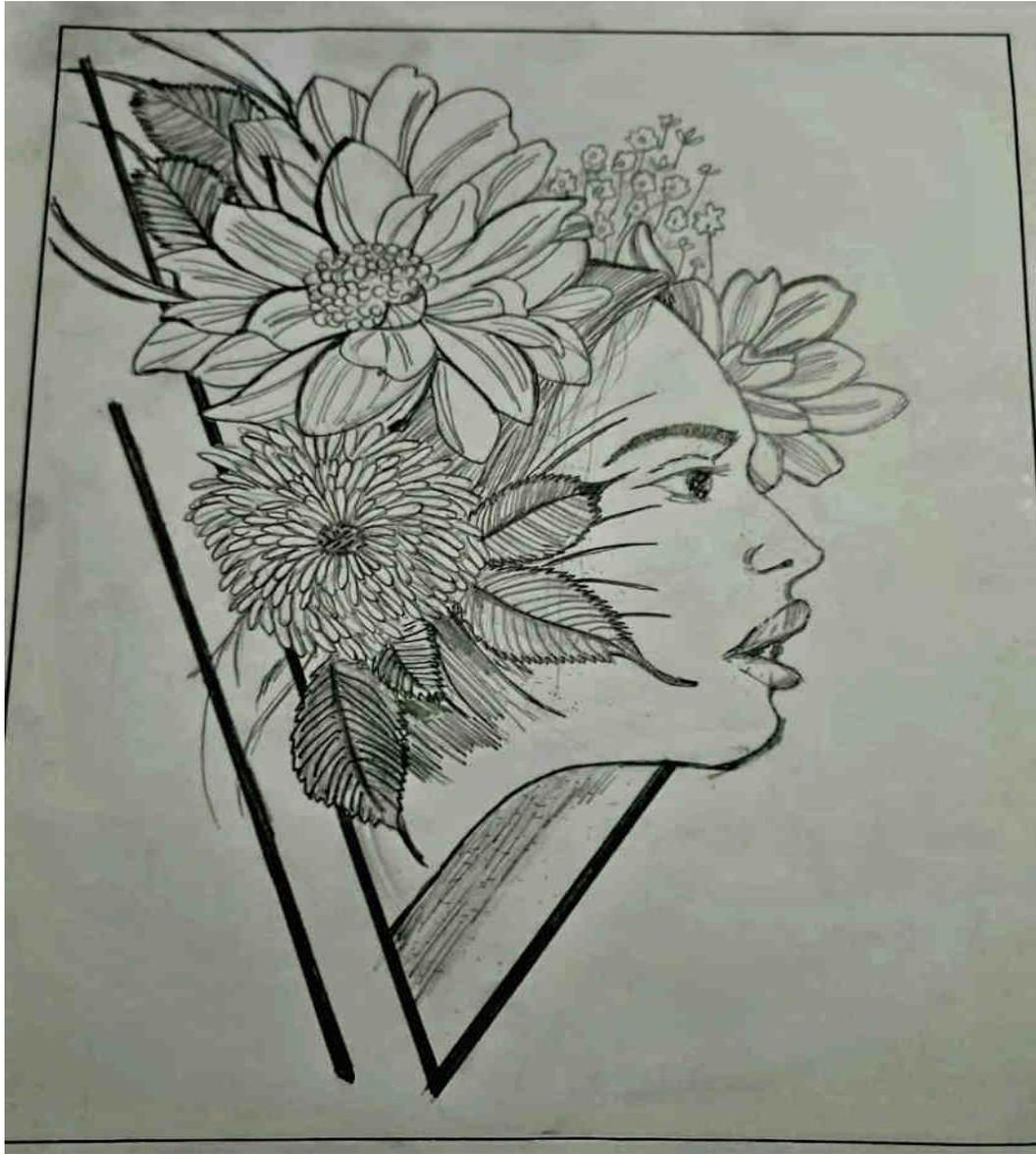
S.No	Name	Year	Event	Prizes	Event Venue
1	Pradeep and Team	III	Handball	Winner	VTHT

6. STUDENT ARTICLES

Article



By Induja. S (II year)



By Naveen Kumar R (III Yr)



By Induja. S (II year)

அழகிய மழையே...

செம்மண் காற்றையும் சந்தனக் காற்றாய்
மனம் விசும் அழகிய மழையே...

மண்மீதுள்ள காதலை வெளிப்படுத்த முத்தமிடுகிறாய்
வெள்ளை முத்துகளால்

நீ பொழிகிறாய் அழகிய சாரலாக மெய்மறந்து ஆடுகிறோம்
நாங்கள் சிறுவர்களாக

சட்டென்று விழுந்து
பட்டென்று புதைந்து புன்னகையை தரும் மழையே
ஆனந்த மழையே...!
அழகிய மழையே...!
என் மீது கொண்ட காதலை மழை காற்றாய் கொண்டு
வா!வா!! வா!!!

By...

DRAVIDAN.K 2nd year

By Dravidan.K (II Year)

7. FACULTY CORNER

Faculty Publications

S.No	HTS NO	Name	Designation	Article Title	Journal Name	Period of Publication
1	HTS 844	Dr.B.Bharathiraja	Professor	Production of biodiesel from Caulera racemose oil using recombinant Pichia Pastoris Whole cell biocatalyst with double displayed over expression of Candida Antartica Lipase	Bioresource Technology, Elsevier	Nov 2022

2	HTS 844	Dr.B.Bharathiraja	Professor	Current and Prognostic overview on the strategic Exploitation of Anaerobic Digestion and Digestate: A review	Environmental Research	Oct 2022
3	HTS 697	Dr.A.Saravana Raj	Assistant Professor	Metabolic behaviour of Halomanas variabilis in a bio-reaction calorimeter during batch production of extracellular polymeric substances	Biochemical Engineering Journal	Dec2022

Faculty Participation/Paper Presentations in Conferences and Seminars

S. No	HTS No.	Name	Date	Title of the Conference	Place
		NIL			

Faculty Participation in Faculty Development Program

S. No	HTS No.	Name	Date	Title of the Program	Venue
1.	HTS844	Dr.Bharathiraja.B	17-10-2022 to 21-10-2022	Hands on Training – Preparation of Poly Chemicals	VTHT
2.	HTS1641	N U Yuvasri			

8. FACULTY AWARDS

Dr.B.Bharathiraja ,Dean ,R&D received top 2% scientist award from Stanford University on 10th October 2022

