

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 2023

1. GUEST LECTURES

The Department of Chemical Engineering Conducted one day guest lecture on "Environmental safety audit towards sustainable development" by Mr. Rajeshkumar Nachimuthu Michelin India Private limited on 25, 0,2023







The Department of Chemical Engineering Conducted one day guest lecture on "Environmental health and safety" for Chemical Engineers by Mr. Saravanan C on 11. 03.2023



DEPARTMENT OF CHEMICAL ENGINEERING &

IICHE-VELTECH HIGHTECH STUDENTS CHAPTER

Organizes

One Day Guest Lucture

on

Enviormental Health and Safety For Chemical Engineers
Mr. Saravanan C

Manager-EHS
Manali Petrochemicals Limited
Chennai

DATE: 11.03.2023

VENUE: THOMAS ALVA EDISON HALL





2. INDUSTRIAL VISITS

The Department of Chemical; Engineering organized an Industrial visit on "Ranipet Effluent Treatment Plant" Ranipet, Chennai, Tamil nadu on 08.02.2022 for II and III Students



The Department of Chemical; Engineering organized an Industrial visit on "Aavin, Sholinganallur" Chennai, Tamil nadu on 17.02.2022 for II Students



The Department of Chemical; Engineering organized an Industrial visit on "Thiruttani Co-Operative Sugar Mill", Thiruvelangadu on 07.03.2022 for II and III Students



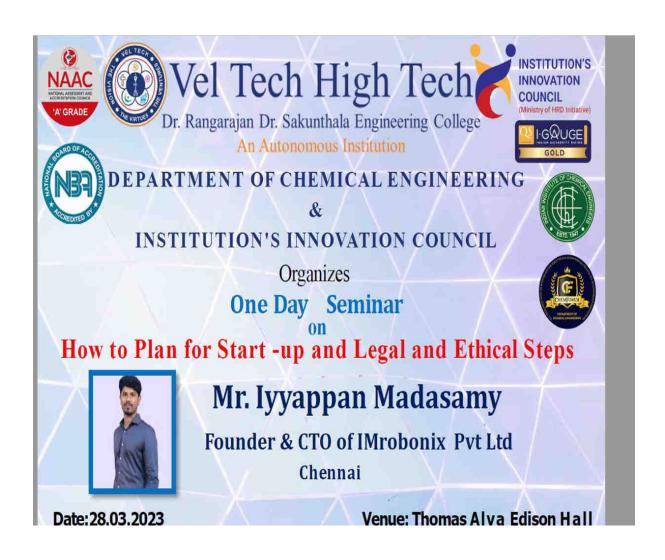
3. FDPs/WORKSHOPS/SEMINARS CONDUCTED

The Department of Chemical Engineering Conducted one day guest Seminar on "Career Awarness and Guidance", by Mr. K. Arul E – Crusaders Chennai on 24. 02.2023





The Department of Chemical Engineering Conducted one day guest Seminar on "How to plan for start up and legal and ethical steps" by Mr. Iyyappan Madasamy founder and CTO of IMrobonix pvt.Ltd Chennai on 28. 3.2023







4. Club Activities Conducted

The Department of Chemical Engineering Conducted one day National Workshop on "Introduction to Process Modelling using Aspen Hysys", by Ms. Athira Rema Aspen Tech Pvt Ltd, Pune on 28. 02.2023 to 3.03.2023



on INTRODUCTION TO PROCESS MODELLING USING ASPEN HYSYS

> DATE: 28-02-2023 to 03-03-2023 Venue: Thomas Alva Edison Seminar Hall

CHIEF PATRONS

Col. Prof. Vel. Shri.Dr. R. Rangarajan Founder President & Chairman

Dr. Sakunthala Rangarajan

Foundress President & Vice Chairman

PATRON

Prof. Dr. E.Kamalanaban,

Principal

CONVENORS

Dr.B.Bharathiraja,

Professor ,Chemical Engineering & Dean-R&D /Chemical

Dr. D. Yuvaraj

Professor & Dean - (Biotech and Chemical)

PROGRAM CO-ORDINATOR

Dr.J.B. Veeramalini

Associate Professor & Head ,Chemical

Dr.A.SaravanaRaj

Deputy Dean-PPP, Chemical

ORGANIZING COMMITTEE

Mr.P.Vinosh Muthukumar Assistant

Professor/Chemical

Ms.B.Manjupriva Assistant Professor / Chemical

Ms.M.Janani, Assistant Professor / Chemical

Ms.S.Sunitha Assistant Professor / Chemical Mrs.R.Ramva, Assistant Professor / Chemical

Mrs.P.Bharani, Assistant Professor/ Chemical

Ms.N.U. Yuvasri, Assistant Professor / Chemical

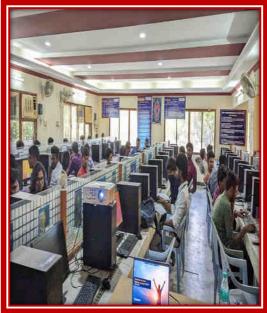
Mrs.V.Karpagam, Assistant Professor / Chemical Mrs.PLSivayogavalli, Assistant Professor

RESOURCE PERSON

Ms. Athira Rema

Technical Consultant, AS PEN Tech Pvt.Ltd., Pune





5. STUDENTS CORNER

Student Publications

S.NO	Name	Semester	Article Title	Journal Name	Period of Publication
1	Aditya R Keerthi Kumar S Lokesh S Maria Ruban Varkis B	III	Treatment of silica nanoparticles using waste agricultural secondary products	Journal of Emerging technologies and Innovative Research	JAN 2023
2	Nitish M Loganathan R Arun M Manavazhagan	III	Sulphur dioxide reduction on coconut shell based activated carbon by Phosphoric acid in a wet Packed bed scrubber	Journal of Emerging technologies and Innovative Research	JAN 2023
3	Harini B	III			Communicated

	Keerthana M		Extraction of silver from photographic film waste		
4	Madesh K Siddarth R Vignesh P	III	Effective Colour removal in Textile Waste Water using Natural Adsorbent	Journal of Emerging technologies and Innovative Research	MARCH 2023
5	Thyakarajan AR Swetha K Christy	III	Treatment of Textile Waste Water using TCPs(Textile Carbon Polyester) and Aerophilic bioreactor	Journal of Emerging technologies and Innovative Research	JAN 2023

Student Participation/Paper Presentations in Conferences and Seminars

S.N O	VH NO	Name	Sem	Conference/ Seminar Title	Paper title	Hosted by	Date and Venue
1	VH 11713 VH 10809 VH 10805	Saravana A Raghul M Sharmila S	VI	GIST '23	Development of Nanoparticle film for solar pannels	Dhaanish Ahmed College of Engineering	23.02.2023 Chennai
2	VH11485 VH 11495 VH11466	Madhana Ansari J Sathish Kumar S Amar Salman A	IV	GIST '23	Adsorption of cr (iv) & Ni(II) from Effluent Treatment	Dhaanish Ahmed College of Engineering	23.02.2023 Chennai
3	VH 11754 VH 11504 VH 11463	Vignesh P Vamsi R.M Abhinesh A	IV	GIST '23	Effective Colour removal in textile Waste water using Orange peel as Adsorbent	Dhaanish Ahmed College of Engineering	23.02.2023 Chennai
4	VH 11486	R. Manavazh agan	IV		Sulphur Dioxide reduction on	Dhaanish Ahmed	23.02.2023 Chennai

	VH 11497	S R Shibu		GIST '23	Coconut shell Based	College of Engineering	
					Activated	Engineering	
	VH 11468	Arul			Carbon by Phosphoric		
	VII 11400	esakki			Acid in a wet Packed bed Scrubber		
	VH 10805	Sharmila S		Smart and Sustainable	Sustainable Production		
_	VH 10809	Rahul M		development in Multi	methods of biofertilizer	Theivanai Ammal	9.03.2023 , 10.3.2023
5	1 VH 10X17 1	Mutharasa n A	VI	Disciplinary Research (SCI -Vision 2050)	and increase the yield using Vegetable waste	College of Women	Villupura m
	VH11713	Saravana A		Smart and Sustainable development	Designining of	Theivanai	9.03.2023 ,
6	VH 10794	Vasanth KM	VI	in Multi Disciplinary Research	Biodigester for the production of	Ammal College of Women	10.3.2023 Villupura
	VH 10803	Lalith kumar S		(SCI -Vision 2050)	bio	Wellen	111
7	VH 11500	Swetha K	IV	Smart and Sustainable development in Multi Disciplinary Research (SCI -Vision 2050)	Textile Waste Water treatment using TCPs	Theivanai Ammal College of Women	9.03.2023, 10.3.2023 Villupura m

Student Participations in Workshops/Symposium/ Seminar

VH NO	Name	Semeste r	Seminar	Hosted by	Date and Venue
VH 10790	Dharmasasth a V				
VH 10808	Dinesh P				
VH 10811	SC Veezhinathan	1 71	Introduction to	ASPEN	28 Feb 2023 -
VH 11711	Nirmal E	VI	Process Modeling	TECH	03 Mar 2023
VH 10801	Nambirajan A		using Aspen HYSYS and ACU-		
VH 10798	Jerine Daniel J		HYSYS01 Aspen HYSYS		

VH 10797	Karthikeyan				
	R				
VH 10802	Gugaraaman G				
VH 10813	Kabilan K				
VH 10805	Sharmila S				
VH 11713	Saravana A				
VH 10795	Naveen Kumar R				
VH 10809	Raghul M				
VH 10806	Harish L	VI			
	Shri Krishnan				
VH 10799	A				
VH 10788	Balaji S				
VH 10797	Rajkumar M		Introduction to	ASPEN	28 Feb 2023 -
VH 10807	Sukumar s		Process Modeling	TECH	03 Mar 2023
VH 10804	Jayasakthi J		using Aspen HYSYS and ACU-		
VH 10792	Lakshmanara i V		HYSYS01 Aspen		
VH 10807	Suryaprakash		HYSYS		
VH 10793	Princia P				
VH 9834	Dhanush M				
VH 9872	Vignesh V				
VH 9854	Logeshwari				
	N Lama 1	37111			
VH 9840	Jamal Mohammad	VIII			
VH 9863	Sarumathi S				
VH 9866	Sheshatheri R				
VH 9838	Girija				
VH 10805	Sharmila S				
VH 11713	Saravana A				
VH 10809	Rahul M				
VH 10794	Vasanth KM				
VH 10793	Princia P		Recent		21.03.2023
VH 10792	Lakshman Raj V	VI	Developments in catalysis in Process	IICHE (North Regional Centre)	and 22.03.2023
VH 10797	Karthikeyan R		Industries	Centre)	Delhi
VH 10795	Naveen Kumar R				
VH 10790	Dharmasasth a V				
VH11475	Harini B		Recent	IICHE (North Regional	21.03.2023 and
VH 11480	Keerthana M		Developments in	Centre)	22.03.2023

VH 11496	Sharmila R		catalysis in Process	Delhi
VH 11500	Swetha K	IV	Industries	
VH 11502	Thanuja A			
VH 11493	Ravisankar S			
VH 11503	Thyakarajan			
VП 11303	AR			

Student Awards

S. No	VH No.	Name	Yr	Date	Title of the Conference	Paper Title	Other Information
1.	VH 10805	Sharmila S	VI	9.03.2023 , 10.3.2023	Smart and Sustainable development in Multi Disciplinary Research (SCI -Vision 2050)	Sustainable Production methods of biofertilizer and increase the yield using Vegetable waste	I st 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
		5	Maram Milk Farm - 17.01.23 – 31.01.23
		2	Seshasayee Paper and Boards Limited - 12.01.23 – 27.01.23
	II Year	2	Arkay Energy - 07.01.23 – 22.01.23
Internship/ In plant Training		3	Nuray Chemicals Pvt Ltd., Pharmaceutical Industry - 23.01.23 – 27.01.23
(Even Sem)		1	Aavin - 11.01.23 – 18.01.23
		1	KK Enterprises – Drying Unit - 18.01.23 – 27.01.23
		3	Western India Paint & Color Co., (P) Ltd - 23.01.23 – 31.01.23
		1	Kamachi TMT Bars - 12.01.23 – 10.02.23

	1	Ambadi Dairy Products - 25.01.23 – 30.02.23
		Concrete Work Construction Chemicals Pvt. Ltd., - 23.01.23 – 25.02.23
	1	Emtan Polymers - 16.01.23 – 27.01.23

Activity	Program Details	No. of Students Participated/ Expected to participate	Industry and Date of Visit
		8	Online Internship & Certificate course 'Fermentation Technology' - 17.01.23 -31.01.23
		3	Tagros Chemical India Ltd - 07.01.23 – 16.01.23
Internship/ In		1	Srilakshmi Engineering Works - 14.01.23 – 20.01.23
plant Training (Even Sem)	III Year	1	Tiruttani Co-operative Sugar Mill - 03.01.23 – 10.01.23
		1	KKS Enterprise - 10.01.23 – 18.01.23
		1	Online Internship MATLAB & CHEMCAD - 14.01.23 – 26.02.23
		1	Jesons Industries Ltd - 02.01.23 – 17.01.23

6. Student Projects

Final Year Projects

Batch No	Name of the Student	VH No.	Title of the Project	Guide Name
	AJAY S	VH9828	Description of a Construction of the second	
1	DHANUSHWARAN R	VH9836	Development of a Sustainable and Cost Effective Method for the Production of Bioactive	Ms. Ramya R
1	VASANTH T	VH9869	1 Toduction of Bloactive	
	AJITH KUMAR P	VH9829		Ms. M. Janani

2	MURALIKRISHNA P	VH9852	Residence Time Distribution for Continous Stired Tank and Electro		
	NITHISH R	VH9856	Chemical Reactor		
	ANN MARIA BOBBY	VH9830	Bio-Hydrogen Production and	Dr.	
3	SARUMATHI S	VH9863	Microbial Study under Different Microbes	Veeramalini J B	
3	SHESHATHERI R	VH9866	iviiciooes	Б	
	AROKIYA RAJ X	VH9831			
	LOKESH S (3023)	VH9847	Research on Lithium-ion Battery	Dr. Saravanaraj A	
4	LOKESH S (3024)	VH9846		Suru variaraj 11	
	ASHREETH N	VH9832		M X7' 1	
	RAGUL R	VH9857	Design of Vetrui Scrubber	Mr. Vinosh Muthukumar	
5	SARAN KIRTHICK M P	VH9862		P	
6	DHANUSH M	VH9834		Dr.	
	VIGNESH V	VH9872	Production of Pulp from Banana Stem	Bharathiraja	
	NAVEENKUMAR S	VH9855		В	
	DHANUSH S	VH9835			
	MURUGAN E	VH9853	Manufacture of Ethanol from Coconut Fiber	Mrs.	
7	GOKULA KRISHNAN S	VH9839		Karpagam	
	DHANUSH KUMAR A	VH9833	Analysis of Temperature influence within chilled water buried network	Mrs. Bharani	
8	MOHAMED FAIZ V M	VH9849	through Computational Fluid Dynamics	Wirs. Bilarain	
	DHURUVA GOWSHIK G	VH9837	Optimization of Brine Sludge and		
	JOSHVA A	VH9842	Recovery of Anhydrous Sodium sulfate by using Sulphate Removal	Ms. Manjupriya B	
9	KISHOOR KUMAR L A	VH9843	System	3 1 3	
	GIRIJA P K	VH9838	Synthesis of Bio-active Compounds	Ms.	
10	JOSEPHIN SUPRITA R	VH9874	from Acslypha Indica	Manjupriya B	
	JAMAL MOHAMMED UKASHA	VH9840	Encapsulation of Bio-active	Dr A	
1.1	ROHAN DANI RAJ	VH9859	Compounds using Polymeric Micro/Nano Compounds	Saravanaraj	
11	SATHISH KUMAR S	VH9864	1		

	JANANI BAI L	VH9841	Automization of Advanced Oxidation	Mr. Vinosh	
	MANIKANDAN M	VH9848	Process for the Treatment of RO	Muthukumar	
12	ROHIT.A	VH9836	reject from Leather Industries	P	
12	KISHORE KUMAR J J	VH9844	Chemical Accident Investigation	Dr.	
13	AAKAASH K S	VH9827		Saravanaraj A	
14	LOGESHWARI N	VH9854	Synthesis of Nanomaterials and their Application in Food Packaging and preservation	Dr. Saravanaraj A	
1.5	MOHAMED THAGA S S	VH9850	Recovery of Ammonia and Carbon-	Ms. M. Janani	
15	RUPESH S	VH9861	dioxide from Effluent of Urea	1.15. Ivi. vanami	
16	RAHUL R	VH9858	Enhancing Nutrient use Efficiency in Horticulture by Granular Fertilizer	Dr. B. Bharathiraja	
17	SATHISH R	VH9875	Removal of Tannin from Nangifera Indica Kernal (Alphonsa Variety)	Ms. Yuvasri N U	
18	SEENUVASAN K	VH9865	Fabrication of Panchagavya Filter	Ms Sunitha	
19	THANIKESH S	VH9867	Method to extract Protein Concentrate from Defatteed oilseed cake of Sesame	Ms. Yuvasri N U	
	THINAGARAN V	VH9868			
20	VIKNESH M	VH9873	Manufacturing of Neem Coated Urea	Mrs. Karpagam	
	DINESH KUMAR S VI				
21	VELU PRASATH R	VH9870	Synthesis of Pireridine Derivatives	Dr. Veeramalini J B	
22	JONATHAN SUJAY B	VH10646	Removal of Iorn from Water samples using Agri waste	Mrs. Sivayogavalli	
23	RAJ R	VH10648	Analysis of Collision Parameters in Dyed Liquor	Ms Sunitha	

Students NPTEL Course Details

Year	No. of Students Registered for the NPTEL exam
II	42
III	27

7. 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	Date of the Event	Event Venue
1	M. Rajkumar	III	Cricket	21 Jan2023	Anna University Zonals
2	M. Rajkumar	III	Cricket	14 Feb 2023	CM Trophy
3	S. Lalith Kumar	III	Kabaddi	16 Feb 2023 / 8 th & 9 th Feb 2023	Saveetha Dental, CM Trophy
4	M. Kabilan	III	Kabaddi CM Trophy	16 Feb 2023 / 8 th & 9 th Feb 2023	Saveetha Dental, CM Trophy
5	S. Lalith Kumar	III	Volley ball	16 Feb 2023/ 16 March 2023	Saveetha Dental, Aalim Muhammed Salegh College
6	Prathap	III	Volley ball	16 Feb 2023/ 16 March 2023	Saveetha Dental, Aalim Muhammed Salegh College
7	Pradeep	II	Cricket	23 March 2023	Thiruvallur District Cricket Association Magna Inter colleglate Tournament (T- 20)
8	Loganathan	II	Cricket	23 March 2023	Thiruvallur District Cricket

		Association
		Magna Inter
		colleglate
		Tournament
		(T- 20)

8. STUDENT ARTICLES

Article

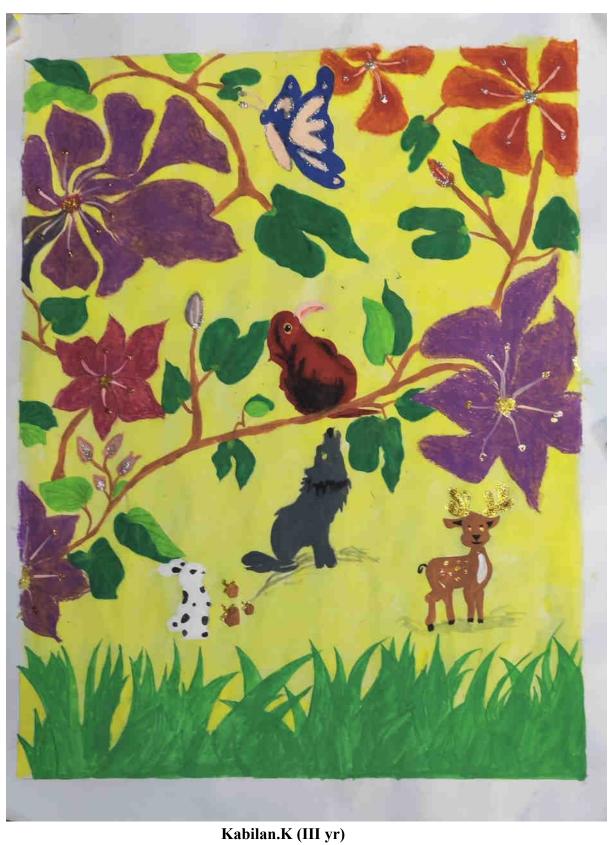
திறமை நத்தையால் ஓட முடியாது மீனால் நடக்க முடியாது. ஒட்டகத்தால் நீந்த முடியாது மண்வெட்டியால் மீசை வழிக்க முடியாது பிளேடால் மரம் வெட்ட முடியாது அனைத்திற்கும்ஒரே திறமை இருக்காது ஆனால் உறுதியாக ஒவ்வென்றிற்கும் ஒரு திறமை இருக்கும்.

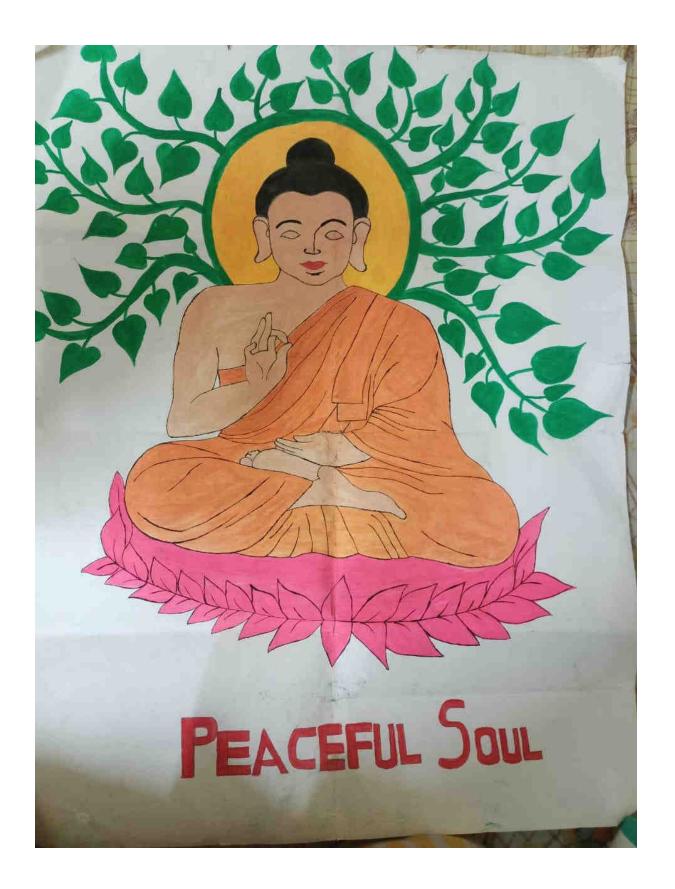
Adithya R (II Yr)





Vamsi R. M(II Yr)





Sharmila.S (III yr)

9. FACULTY CORNER

Faculty Publications

S.No	HTS NO	Name	Designation	Article Title	Journal Name	Period of Publication
	HTS 1393	Dr. J. B. Veeramalini	Associate Professor	Treatment of silica nanoparticles	Journal of Emerging	
1	HTS 1561	Ms. M.Janani	Assistant Professor	using waste agricultural secondary	technologies and Innovative	JAN 2023
	HTS 1590	Ms.S.Sunitha	Assistant Professor	products	Research	
2	HTS 1393	Dr. J. B. Veeramalini	Associate Professor	Treatment of Textile Waste Water using TCPs(Textile Carbon Polyester) and Aerophilic bioreactor	Journal of Emerging technologies and Innovative Research	JAN 2023
3	HTS 825	Mr. Vinosh Muthukumar P	Assistant Professor	Process Optimization of BTEX degradation from Petrochemical Effluent Using Integrated Advanced Oxidation	Elsevier	Accepted
4	HTS 825	Mr. Vinosh Muthukumar P	Assistant Professor	Extraction of silver from waste Radigraphic film by Leaching and Precipitation	Journal of Emerging technologies and Innovative Research	MARCH 2023
5	HTS 1590	Mc S Siinitha		Sulphur dioxide reduction on coconut shell based activated carbon by	Journal of Emerging technologies and Innovative	JAN 2023
	HTS 1561	Ms. M. Janani		Phosphoric acid in a wet Packed bed scrubber	Research	

6	HTS 1495	MS.B.Manju Priya	Assistant Professor	Extraction of silver from photographic film waste	-	Communicat ed
	HTS 1393	Dr. J. B. Veeramalini	Associate Professor	Effective Colour removal in Textile	Journal of Emerging	МАРСИ
7	7 HTS1 Ms. N.U. Yuvasri Assistant Professor		Waste Water using Natural Adsorbent	technologies and Innovative Research	MARCH 2023	

Faculty Participation/Paper Presentations in Conferences and Seminars

C N	HTS NO	Name	Designation	Title of the	Paper Title	Date &	Other
S.No				Conference		Venue	information
1	HTS 1645	Mrs. PL.Sivayogavalli	Assistant Professor	SUDHEE 2023	Characterization of TiO ₂ and ZnO Nanoparticles and their applications in photocatalytic degradation of azodyes	1 st Feb 2023 Chaitanya Bharathi Institute of Technology, Hyderabad	Best Paper Award Merit Certificate
2	HTS 825 HTS 697	Mr. Vinosh Muthukumar P Dr. A Saravanaraj	Assistant Professor Assistant Professor	GIST '23	-	23.02.2023 Dhaanish Ahmed College of Engineering Chennai	Participated
	HTS	Mrs. P. Bharani		Smart and Sustainable development	Synthesis and characterization of mesoporous	9.03.2023 , 10.3.2023	

3	1644		Assistant	in Multi	silica and used	Villupuram	-
			Professor	Disciplinary	it for effective	Theivanai	
				Research	drug delivery	Ammal	
	HTS1590	Ms.S.Sunitha		(SCI -Vision		College of	
				2050)		Women	

S.No	HTS NO	Name	Designation	Title of the Seminar	Hosted by	Date & Venue
	HTS 844	Dr. B. Bharathiraja	Professor			
	HTS 1393	Dr. J. B. Veeramalini	Associate Professor	Introduction to		
	HTS 825	Mr. Vinosh Muthukumar P	Assistant Professor	Process Modeling using Aspen HYSYS		
1	HTS 1495	MS.B.Manju Priya	Assistant Professor	and ACU- HYSYS01	ASPEN TECH	28 Feb 2023 - 03 Mar 2023
	HTS1641	Ms. N.U. Yuvasri	Assistant Professor	Aspen HYSYS		
	HTS 1644	Mrs. P. Bharani	Assistant Professor			
	HTS 1393	Dr. J. B. Veeramalini	Associate Professor	Recent		
2	HTS 1590	Ms.S.Sunitha	Assistant Professor	Developments in catalysis in Process	in catalysis in IICHE (North	21.03.2023 and 22.03.2023
	HTS1561	Ms. M. Janani	Assistant Professor	Industries	Centre)	Delhi

10. FACULTY AWARDS

Dr.A.Saravana Raj has been reconized as a Supervisor for guiding Ph. D. Scholars of this University under the faculty of Technology from Centre For Research AnnaUniversity, Chennai.