

CHEMERSATZ

Department of Chemical Engineering



Hindusthan College of Engineering and Technology

>>> ABOUT CHEMERSATZ

A student Association called CHEMERSATZ organizes a variety of technical events, including technical quizzes, workshops, poster presentations, and paper presentations. It brings together a large number of students from different universities to take part in events that "CHEMERSATZ" has prepared.

CONVENOR

Dr Palani R Professor & Head Chemical Engineering

EDITOR:

Mr Sathish J
STUDENT EDITOR(S)

Mr Patchamuthu M Mr Alten Rey V Mr Sanjay Mr Bhuvaneshwaran B



WHAT CHEMICAL ENGINEERS DO?

DESIGN EQUIPMENT | ENERGY GENERATION | ASSESS PRODUCTION METHODS | ESTABLISH SAFETY PROCEDURES | TROUBLESHOOT PROBLEMS | MONITOR PRODUCTION PROCESSES



Vision of the Department

To nurture skilled and innovative chemical engineers with academic and research excellence for addressing global challenges and contributing to sustainable development with ethical values.

Mission of the Department

- To provide quality education focused on the scientific and technical aspects of chemical engineering.
- To empower students with essential research skills to develop innovative solutions for complex chemical engineering challenges.
- To inculcate social responsibility among the students for developing a sustainable society.





PROGRAMME EDUCATIONAL OBJECTIVES(PEOs)

Graduates of Chemical Engineering will be able to:

- To excel in chemical engineering by securing impactful positions within the chemical and allied industries.
- Pursue continued life-long learning through professional practice, research and training programs in the field of chemical engineering.
- To empower graduates to become leaders in their fields of expertise and foster entrepreneurial skills, enabling them to contribute for economic development on both National and Global scales.

PROGRAMME SPECIFIC OUTCOMES (PSOs)

Graduates of Chemical Engineering will be able to:

- Apply the knowledge of unit processes and operations in Chemical and Allied Industries.
- Implement the chemical engineering knowledge for process safety and ethically addressing the environment issues.



CHEMERSATZ

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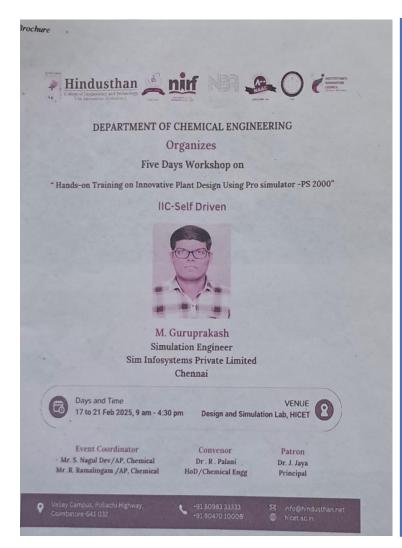


Events Organized

- 17.02.2025-"Hands -on Training on Innovative Design Using Pro Simulator-PS2000"
- 18.03.2025-"1Day Webinar On Research Methodology
- 24.03.2025"Innovation In Biofuels Chemical Engineering Role In A Sustainable Energy Future"
- 28.03.2025-"Gender Equtity-Role of Women In Research"



Workshop on "Hands -on Training on Innovative Design Using Pro Simulator-PS2000"

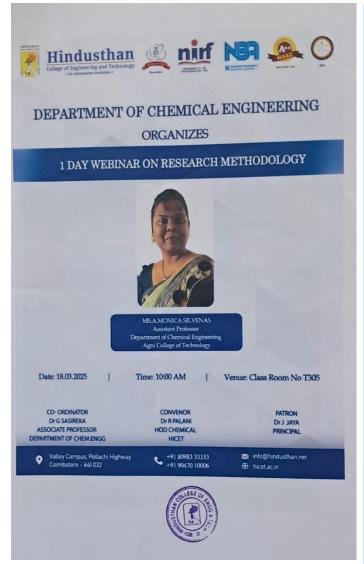


OUTCOME

Students will be able to learn pro simulator workshop using simulation tools with pro simulator software. Students will understand to practice real-world situations in a risk-free environment to improve response and decisionmaking.Students will develop the ability to analyze data and case studies to evaluate the of innovations industry impact on operation.Students will apply how to analyze simulation results and apply insights to improve efficiency and effectiveness in actual work environments.Students will learn using simulation to test emergency response procedures and safety protocols without realworld consequences.



Program on "1Day Webinar On Research Methodology"





OUTCOME

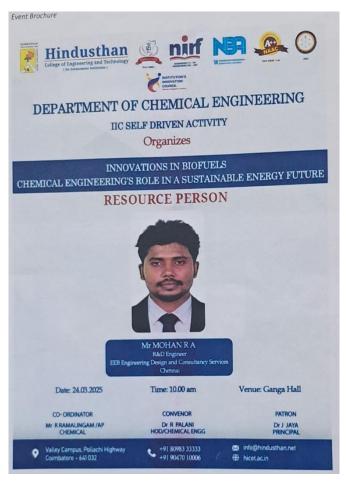
Ms. Monica Silvenas introduced about her and interacted with our students. She started to talk about the Application of Research Methodology in Chemical Engineering field. Students will develop a clear understanding of fundamental research concepts like hypothesis, variables, research design, data collection, analysis, and interpretation. Students will learn how to formulate clear, concise, and relevant research questions or problems to guide their research process. Students will gain skills in selecting and designing appropriate research methods (qualitative, quantitative, or mixed methods) and understanding their advantages and limitation. They will learn various techniques of data collection, such as interviews. observations. surveys, and experiments, and how to choose the most suitable method based on the research goals. They will learn about ethical standards in research, including issues like consent, confidentiality, and integrity. They will develop the ability to critically evaluate research methods, data, and findings, and apply logical reasoning to solve research problems. Students will learn how to present their research findings in well-structured reports or papers, following academic writing conventions, and

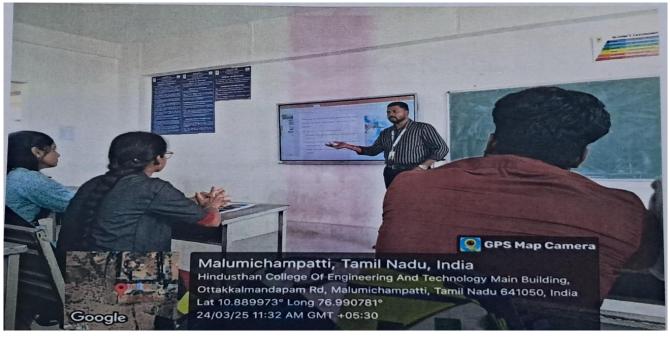


Program On "Innovation In Biofuels Chemical Engineering Role In A Sustainable Energy Future"

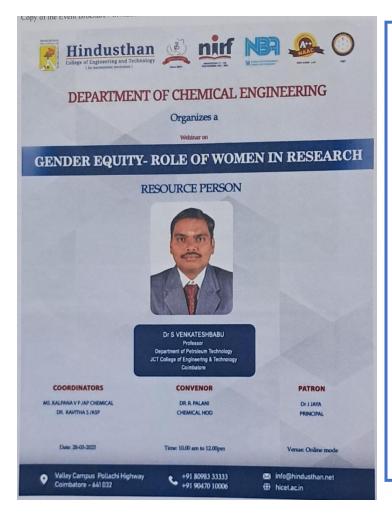
OUTCOME

Students will be able to learn the latest innovations in biofuel production, including second- and third-generation biofuels. Students will understand the role of chemical engineers in optimizing biomass conversion processes and improving yield efficiency. Students will develop to evaluate the impact of innovations on industry operation. Students will be able to learn integration of renewable feedstocks and green chemistry principles in biofuel development. Students will develop to evaluate the impact of innovations on biofuel. Students will learn the importance of interdisciplinary collaboration to overcome technical. economic, and environmental challenges.





Program on "Gender Equtity-Role of Women In Research"



OUTCOME

The event successfully highlighted the significance of gender equity in research and the vital contributions of women in scientific advancements. Key discussions focused on challenges such as gender bias, lack of representation in leadership, work-life and balance. **Experts** emphasized the need for mentorship, institutional support, and policy reforms inclusive create research to an environment. The event concluded with a commitment to fostering equal opportunities and empowering women in research for a more diverse innovative future



Faculty Achievements

- ***** Online Courses
- **Conference**
- **Patent**
- **Publication**
- **Book Chapters**
- ***** Other Courses

Online Course



Attended the NPTEL online course-Membrane Technology(12 week course) by Indian Institute of Technology,Kharagpur and certificate for mentor for the NPTEL online Certification course.

> Mr.Nagul Dev S Assistant Professor Chemical Engineering

Attended the NPTEL online course-Membrane Technology(12 week course) by Indian Institute of Technology,Kharagpur and certificate for mentor for the NPTEL online Certification course.

Ms.Induja P
Assistant Professor
Chemical Engineering





Attended the NPTEL online course-Mechanical Unit Operation (12 week course) by Indian Institute of Technology, Kharagpur and certificate for mentor for the NPTEL online Certification course.

Mr.Nagul Dev S
Assistant Professor
Chemical Engineering



Attended the NPTEL online course-Membrane Technology(12 week course) by Indian Institute of Technology,Kharagpur and certificate for mentor for the NPTEL online Certification course.

Mr.Ramalingam R
Assistant Professor
Chemical Engineering

Attended the Elite NPTEL online course-Membrane Technology(12 week course) by Indian Institute of Technology,Kharagpur and cleared the exam with 63%

> Mr.Nagul Dev S Assistant Professor Chemical Engineering





Attended the Elite NPTEL online course-Membrane Technology(12 week course) by Indian Institute of Technology,Kharagpur and cleared the exam with 61%

> Ms.Induja P Assistant Professor Chemical Engineering



Attended the Elite NPTEL online course-Outcome Based Pedagogic Principles for Effective Teaching (4 week course) by Indian Institute of Technology, Kharagpur and cleared the exam with 66%

Mr.Ramalingam R
Assistant Professor
Chemical Engineering

Attended the Elite NPTEL online course-Membrane Technology (12 week course) by Indian Institute of Technology,Kharagpur and cleared the exam with 68%

Mr.Ramalingam R
Assistant Professor
Chemical Engineering





It is certified that **Miss INDUJA P**, Assistant Professor has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on Biodegradability and environmental impact assessment of biofibres and green composites.

Faculty Development Program



It is certified that **Miss INDUJA P**, Assistant Professor has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on Green Technology towards Sustainable Future

It is certified that Mr.RAMALINGAM R, Assistant Professor has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on Green Technology towards Sustainable Future.





It is certified that **Miss KALPANA V P**, Assistant Professor has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on Green Technology towards Sustainable Future.





This certificate is awarded to



KALPANA V P

for successfully completing the course

Outcome Based Pedagogic Principles for Effective Teaching

with a consolidated score of 55 %





Attended the NPTEL Faculty Development Programme -Membrane Technology(12 week course) by Indian Institute Technology, Kharagpur and cleared the exam with 68%

> Mr.Ramalingam R **Assistant Professor** Chemical Engineering

Attended **NPTEL** the Faculty Development Programme-Outcome Based **Principles** Effective Pedagogic for Teaching (12 week course) by Indian Institute of Technology, Kharagpur and cleared the exam with 55%

> Ms.Kalpana V P **Assistant Professor** Chemical Engineering



NPTEL-AICTE Faculty Development Programme





This certificate is awarded to

RAMALINGAM R

for successfully completing the course

Membrane Technology

with a consolidated score of 68 %

the

cleared the exam with 66%





Faculty

Roll No: NPTEL25CH30S343600156

Attended

Duration of NPTEL course: 12 Weeks

NPTEL

Development Programme - Outcome

Based Pedagogic Principles for Effective Teaching (4 week course) by Indian

Institute of Technology, Kharagpur and



NPTEL-AICTE Faculty Development Programme

Zoom in (Ctrl+Plus key)

(Funded by the MoE, Govt. of India)



This certificate is awarded to

RAMALINGAM R

for successfully completing the course

Outcome Based Pedagogic Principles for Effective Teaching

with a consolidated score of 66 %





Mr.Ramalingam R **Assistant Professor** Chemical Engineering

Roll No: NPTEL25GE37S643601467

Duration of NPTEL course: 4 Weeks

Patent

(12) PATENT APPLICATION PUBLICATION (21) Application No.202541039969 A (19) INDIA (22) Date of filing of Application :25/04/2025 (43) Publication Date: 16/05/2025 (54) Title of the invention: FIXED BED COLUMN ADSORPTION STUDY OF REMAZOL DYE REMOVAL USING ACTIVATED CARBON FORM PHYLLANTHUS EMBLICA LEAF (71)Name of Applicant:

1)RAMALINGAM R

Address of Applicant DEPARTMENT OF CHEMICAL ENGINEERING,
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Name of Applicant : NA
Address of Applicant : NA
(72)Name of Inventor :
1)Ramalingam R
Address of Applicant :DEPARTMENT OF CHEMICAL ENGINEERING, HINDUSTHAN
COLLEGE OF ENGINEERING AND TECHNOLOGY, COIMBATORE-641032. 8760959250 ramalingammoorthy@gmail.com 2)Naguldev S Address of Applicant :DEPARTMENT OF CHEMICAL ENGINEERING HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY COIMBATORE TAMILNADU ---3) Aswin Prasobh Address of Applicant :DEPARTMENT OF CHEMICAL ENGINEERING, HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY, COIMBATORE-641032. (51) International classification :C02F0001280000, A61K0036470000, B01J0020200000, B01J0020280000, C02F0003340000 (86) International Application :NA 760959250 ramalin 4)Manigandan A Address of Applicant :DEPARTMENT OF CHEMICAL ENGINEERING HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY COIMBATORE TAMILNADU Filing Date (87) International Publication : NA (61) Patent of Addition to Application Number Filing Date 8760959250 ramalingammoorthy@gmail.com (62) Divisional to Application Number :NA Filing Date :NA 6)Mohammed Reyyan
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8760959250 ramalingammoorthy@gmail.com 7) Hariharan M Address of Applicant :DEPARTMENT OF CHEMICAL ENGINEERING, HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY, COIMBATORE-641032. 8760959250 ramalingammoorthy@gmail.com Address of Applicant :DEPARTMENT OF CHEMICAL ENGINEERING, HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY, COIMBATORE-641032. 8760959250 ramalingammoorthy@gmail.com Address of Applicant :DEPARTMENT OF CHEMICAL ENGINEERING, HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY, COIMBATORE-641032. Address of Applicant :DEPARTMENT OF CHEMICAL ENGINEERING, HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY, COIMBATORE-641032.

A patent has been published to the patentee for the invention entitled "FIXED BED COLUMN ADSORPTION STUDY OF REMAZOL DYE REMOVAL USING ACTIVATED CARBON FORM PHYLLANTHUS EMBLICA LEAF".It has been published on May 16,2025.

Mr.Ramalingam R
Assistant Professor
Chemical Engineering

(19) INDIA (43) Publication Date: 23/05/2025 (54) Title of the invention: ENHANCED REMOVAL OF IBUPROFEN FROM PHARMACEUTICAL EFFLUENT USING NOVEL TIO2- COATED MULTI-WALLED CARBON NANOTUBES (71)Name of Applicant : 1)NAGULDEV S INAGCLIBEY 3
Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF CHEMICAL
ENGINEERING, HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY,
COIMBATORE-641032 -------2)Ramalingam R 3)Ragulasangeerthian s 4)Devadharshini S 5)Praveen S 6)Amirtha sankar A S 7)Mohammed Mushtha 8)Bhagi Suresh 9)Rahul J 10)Gautam Biju Name of Applicant : NA Address of Applicant : NA (72)Name of Inventor : (2) NAGULDEV S
Address of Applicant : ASSISTANT PROFESSOR, DEPARTMENT OF CHEMICAL
ENGINEERING, HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY,
COIMBATORE-641032 2)Ramalingam R Address of Applicant: ASSISTANT PROFESSOR, DEPARTMENT OF CHEMICAL ENGINEERING, HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY, (51) International classification :A61K0031192000, C02F0001280000, A61P0029000000, C02F0101300000, B05D0001180000 (86) International Application :NA COIMBATORE-641032 -OMNOATORE-OF 1032

3] Ragulasangerthian 3

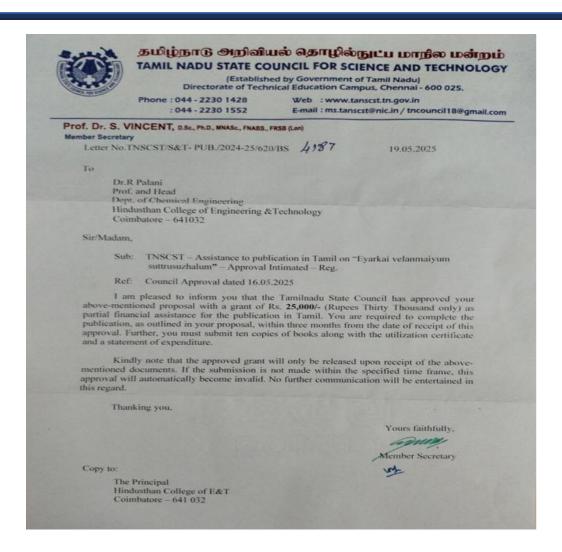
Address of Applicant 2UG SCHOLAR, DEPARTMENT OF CHEMICAL ENGINEERING, HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY, COIMBATORE-641032 No :NA Filing Date :NA (87) International Publication :NA No
(61) Patent of Addition to :NA
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(21) Application No.202541040054 A

(12) PATENT APPLICATION PUBLICATION

A patent has been published to the patentee for the invention entitled "ENHANCED REMOVAL OF IBUPROFEN FROM PHARMACEUTICAL EFFLUENT USING NOVEL TIO2- COATED MULTI-WALLED CARBON NANOTUBES".It has been published on May 23,2025.

Mr.Nagul Dev S
Assistant Professor
Chemical Engineering





Dr. Palani R & Mr. Sathish J has been sanctioned Rs.25,000 as partial financial assistance for the publication TNSCST has approved a grant for the publication of a Tamil book titled "Eayarkai Velanmaiyum Sutrusuzhalum".It has been published on May 19,2025.

Dr. Palani R & Mr.Sathish J
Chemical Engineering

(12) PATENT APPLICATION PUBLICATION (19) INDIA

(21) Application No.202541018574 A

Number Filing Date

(22) Date of filing of Application :03/03/2025

(43) Publication Date: 21/03/2025

(54) Title of the invention: DEVELOPMENT AND CHARACTERIZATION OF A NANO-CELLULOSE-BASED HYDROGEL FOR IMPROVING WATER RETENTION AND CONTROLLED NUTRIENT RELEASE

(51) International classification (51) International classification (51) A01B0079000000, C09K0017320000 (86) International Application :NA Filing Date (87) International Publication : NA (61) Patent of Addition to Application Number :NA Filing Date (62) Divisional to Application :NA Stumber :NA

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Address of Applicant : NA
(72)Name of Inventor :

1)SATHISH J Address of Applic IJSATHISH J
Address of Applicant: ASSISTANT PROFESSOR, DEPARTMENT OF CHEMICAL
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5)Dr. SASIREKA G ddress of Applicant :ASSOCIATE PROFESSOR, DEPARTMENT OF CHEMICAL

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9)Dr.S.ANITHA

Address of Applicant :GUEST LECTURE, DEPARTMENT OF MATHEMATICS, RAJA DORAISINGAM GOVERNMENT ARTS COLLEGE, SIVAGANGAI, TAMILNADU,

Address of Applicant: PG SCHOLAR, DEPARTMENT OF MATHEMATICS, BHARATHIDASAN UNIVERSITY, TRICHY, TAMILNADU, INDIA-620024.

A patent has been published to the patentee for the entitled "DEVELOPMENT invention CHARACTERIZATION OF A NANO-CELLULOSE-BASED HYDROGEL FOR IMPROVING WATER RETENTION AND CONTROLLED NUTRIENT RELEASE".It has been published on May 23,2025.

1)Mr.Sathish J,2)Dr.Palani R,

3)Dr.Kavitha S,4)Dr.Sasireka G

Department of Chemical Engineering

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :21/04/2025

(21) Application No.202541038080 A

(43) Publication Date: 09/05/2025

(54) Title of the invention: OPTIMIZATION OF LIGNIN BASED GRAPHENE FROM BLACK LIQUOR FOR IMPROVED CONDUCTIVITY IN SOLAR PANEL APPLICATIONS

(51) International classification
(86) International Application No
(87) International Publication No
(87) International Publication No
(61) Patent of Addition to
Application Number
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(NA)
(NA)
(NA)
(NA)

Application Number
Filing Date
(62) Divisional to Application Filing Date

(71)Name of Applicant:
1)PALANI R
Address of Applicant: PROFESSOR & HEAD, DEPARTMENT OF CHEMICAL ENGINEERING,
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Name of Applicant: NA
Address of Applicant: NA
(72)Name of Inventor:
1)PALANI R
Address of Applicant: PROFESSOR & HEAD, DEPARTMENT OF CHEMICAL ENGINEERING,
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2)3ATHISH 3
Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF CHEMICAL ENGINEERING, HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY, COIMBATORE-641032 -----

Address of Applicant :UG SCHOLAR, DEPARTMENT OF CHEMICAL ENGINEERING, HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY, COIMBATORE-641032.

A patent has been published to the patentee for the invention entitled "OPTIMIZATION OF LIGNIN BASED GRAPHENE FROM BLACK LIQUOR FOR IMPROVED CONDUCTIVITY IN SOLAR PANEL APPLICATIONS". It has been published on May 23,2025.

Dr.Palani R

Professor & Head

Chemical Engineering

Student Corner

- **Symposium**
- **Sports**
- **Conference**
- ***** Online Courses
- ***** Other Events



Mr.Bhuvaneshwaran B, from the Department of Chemical Engineering, was honored with the Best Outgoing Student Award for the academic year 2024–2025. The award was presented on 26.03.2025.

Mr.Anton Vibin G of B.Tech Chemical Engineering secured First Place in Basketball at the State Level Park Alumni Trophy 2025 held at Park College, Coimbatore from 08&09 February,2025.





No.	CIT 6th COVAI TIES
	CERTIFICATE OF MERIT
	This is to certify thatMURUGANAYAGAM.S
	of HINDUSTHAN
	participated in BASKET BALL team and
	secured
	held at Coimbatore Institute of Technology, Coimbatore from
	11. 03. 2025 to 15. 03. 2025.
	Anno R. L
	Mr. R. Ravichandaran Dr. R. Sambath Covaities Secretary Organizing Secretary

Mr. Muruganayagam S & Anton Vibin G B.Tech Chemical Engineering secured First Place in Basketball at the 6th CIT Covai TIES 2025 held at Coimbatore Institute of Technology from 11.03.2025 to 15.03.2025.

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Engineers (IIChE) - KEC Stu	dent Chapter on 05.03.	2025 at Kongu Engineering C	ollege.
Faculty Coo	ordinator	Head of the L	Department	Principal
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Mr. Gokul D, Mr. Ragul Raj M, and Mr. Abinesh R of Hindusthan College of Engineering and Technology secured First Place in the "Filling the Bottle" event at SYLLOGIC 2K25, Kongu Engineering College, on 05.03.2025.

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and secureds t on 23rd February 2	<u>29386T BALL</u> Place in CIET Alumni Trophy - 2025, he



Mr.Muruganayagam S & Anton Vibin G B.Tech Chemical Engineering participated in Basketball and secured First Place in the CIET Alumni Trophy – 2025, held on 23rd February 2025 at CIET, Coimbatore.



Mr. Gokul D of Hindusthan College of Engineering and Technology participated in the Poster Presentation event at JFinagles 2025 National Level Symposium and secured Third Prize on 21st–22nd March 2025.



DEPARTMENT OF PETROCHEMICAL TECHNOLOGY

UNIVERSITY COLLEGE OF ENGINEERING - BIT CAMPUS ANNA UNIVERSITY TIRUCHIRAPPALLI - 620024



RACEE - 2025

National Level Conference on RECENT ADVANCES IN CHEMICAL, ENERGY AND ENVIRONMENTAL ENGINEERING (RACEE - 2025) organized by the Department of Petrochemical Technology, University

College of Engineering, BIT Campus, Anna University ,Tiruchirappalli on 7th & 8th March 2025.

S. Vardin

Mr.Bellwin Rai P presented a paper titled "Novel Iron Extraction from via Copper Slag Chlorination, Smelting, and Magnetic Separation" at the RACEE 2025 Conference on 7&8 March 2025.

Mr.Gokul D presented a paper titled "Plant Mediated **Synthesis** Magnetic Nanoparticles for Water Purification - A Sustainable Approach" at the RACEE 2025 Conference held on 7-8 March 2025.







CERTIFICATE OF MERIT

This is to certify that Mr/Ms SUBASHINI.S HINDUSTAN COLLEGE OF ENGG. AND TECH. has Obtained + / 11/ # Place / Participated in _ in the National the event(s) PAPER PRECENTATION Level Technical Symposium (Jfinagles 2025) during 21st & 22nd March, 2025.











Ms.Subashini S from Hindusthan College Engineering Technology secured Second Place in the Paper Presentation event at the **J**finagles 2025 National Level Technical Symposium, held on 21st and 22nd March 2025 at JCT College.



Mr. Alten Rey V received a Participation Certificate for taking part in the National Pitching Round of Udyamotsav 2025, conducted as part of National Startup Day under the MoE-AICTE Investor Network and Ministry of Education's Innovation Cell.

Mr.Alten Rey V (III Year – Chemical, HICET) received a Certificate of Appreciation from OTPw Foundation for organizing the 1001 Tree Plantation Drive held at Pallapalayam, Coimbatore, on 22nd February 2025.





Mr.Balaji D from HCET, CBE participated in the workshop titled "Real Time Process Simulation and Bioenergy" organized by the Department of Petroleum Engineering as part of JFinagles 2025, held on 21st and 22nd March 2025 at JCT College of Engineering and Technology, Coimbatore.

Mr. Hijaz Al Fazer A from HCET, CBE participated in the workshop titled "Real Time Process Simulation and Bioenergy" organized by the Department of Petroleum Engineering as part of JFinagles 2025, held on 21st and 22nd March 2025 at JCT College of Engineering and Technology, Coimbatore.









Mr. Anbu Selvan K, Mr. Balaji D, Mr. Hijaz AlFasir A from Hindusthan College of Engineering and Technology received a Certificate of Merit for securing a First place in the Paper Presentation event at the National Level Technical Symposium (JFinagles 2025) held on 21st & 22nd March 2025 at JCT College of Engineering and Technology, Coimbatore.





Mr.Anbarasan K from Hindustan College of Engineering participated in the non-technical event at the Jfinagles 2025 National Level Technical Symposium hosted by JCT College and received a Certificate of Merit from 21.03.2025 to 22.03.2025.

Ms.Aneetta Das T from Hindusthan College of Engineering and Technology participated in the workshop on "Process Engineering in the Energy Industry" at AAVISHKAR'25, held on 05.04.2025, and received a Certificate of Participation.



(6)	JCT College of Entechnology (A	ents & According by NAAC 'A' Grade Engagement	Ž.
	Ascretized by NBA for Petrochemical, Mechanical, EEF, CSF. Pichanur, Coimbatore - 641105 info@jct.ac.in w	, ECE & Petroleum Engineering 6 Courses	
	CERTIFICATE	OF MERIT	
	CERTIFICATE	OI WERT	
This is to certify t	hat Mr/MsNANDHA	KISHAP C	of
	COLLEGE OF ENG has		1
the event(s)	TECHNICAL	in th	e National
	posium (Jfinagles 2025) during 2	1 st & 22 nd March, 2025.	
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Mr.Nandhakishor C from Hindustan College of Engineering participated in the Technical event at the Jfinagles 2025 National Level Technical Symposium hosted by JCT College and received a Certificate of Merit from 21.03.2025 to 22.03.2025.

Ms. Madhumitha S from Hindustan College of Engineering participated in the Technical event at the Jfinagles 2025 National Level Technical Symposium hosted by JCT College and received a Certificate of Merit from 21.03.2025 to 22.03.2025.

KPR Institute of Engineering and Technology Learn Brycoti (Autonomous, NAAC 'A')	AICHE ICS	W 2025 💠 ACS	
2 nd International Co	onference on Sus	tainable Wate	r
To comm	emorate the World Water Day	2025	
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	F ENGINEERING AND T		
MULTIFUNCTIONAL APPLICATION OF I	COD EXTRACTS FROM FR Engineering and Technolo	UIT PROCESSIAIG TAIDU gy, Coimbatore, on 21.	STRY WASTE
22.03.2025.			Sem
Convenor		P	Principal

Mr.Gokul D from Hindusthan College of Engineering and Technology presented a paper on a solar distillation system at ICSW 2025, held at KPR Institute of Engineering and Technology on 21.03.2025 and 22.03.2025.

*	Accredited by NRA for Person	College of Engineering at lechnology (AUTONOMOUS). College of Commission (1982). Class & Automotion (1982). Class & Automotion (1982). Class & Post-lear Engineering (1982). (1985). Infloggictation (1982). Class & College (1982). (1985). Infloggictation (1982). (1982). (1985).	Challe Engineering
	CERTIFIC	CATE OF ME	ERIT
		ADHUMITHA 3 ENGt has Obtained I / II	of / III Place / Participated in
	TECH posium (Jfinagles 20	NICAL 025) during 21st & 22nd Marc	in the National
8/	drsu	T.CA	10
Event Coordinator	V. HoD	Jimagles	Pincipal

Ms.Madhumitha S from Hindusthan College of Engineering and Technology presented a paper on food extract applications at ICSW 2025, held at KPR Institute, Coimbatore, on 21.03.2025 and 22.03.2025, commemorating World Water Day.





Mr.Gokul D from Hindusthan College of Engineering and Technology presented a paper on iron extraction from copper slag via chlorination at SYLLOGIC 2K25, held on 05.03.2025 at Kongu Engineering College, Perundurai.



Mr.Padma Priya R S received a Participation Certificate for taking part in the National Pitching Round of Udyamotsav 2025, conducted as part of National Startup Day under the MoE-AICTE Investor Network and Ministry of Education's Innovation Cell.

Mr.Gokul D from Hindusthan College of Engineering and Technology won for presenting on "iron extraction from copper slag via chlorination"at AGNITIALA2K25, held at RVS College, Coimbatore, on 23rd April 2025.



Mr.Ragul Raj M from Hindusthan College of Engineering and Technology presented a paper on "iron extraction from copper slag via chlorination" at SYLLOGIC 2K25, held on 05.03.2025 at Kongu Engineering College, Perundurai.





DEPARTMENT OF PETROCHEMICAL TECHNOLOGY

UNIVERSITY COLLEGE OF ENGINEERING - BIT CAMPUS ANNA UNIVERSITY TIRUCHIRAPPALLI - 620024



RACEE - 2025

National Level Conference on RECENT ADVANCES IN CHEMICAL, ENERGY AND ENVIRONMENTAL ENGINEERING (RACEE - 2025) organized by the Department of Petrochemical Technology, University College of Engineering, BIT Campus, Anna University, Tiruchirappalli on 7th & 8th March 2025.

Dr.N.Stalin

Coordinator. RACEE - 2025
Department of Petrochemical

Dr.S.Venkatesan
Professor & Head,
Department of Petrochemical
Technology, University College C
Engineering, BIT Campus, Anna



Mr.Gowthaman K presented a paper on "Novel Iron Extraction from Copper Slag via Chlorination" on Synthesis and Magnetic Separation" at the RACEE 2025 Conference held at BIT Campus, Tiruchirappalli on 7–8 March 2025.

Mr.Rins T N from Hindusthan College of Engineering and Technology participated in the workshop on "Process Engineering in the Energy Industry" at AAVISHKAR'25, held on 05.04.2025, and received a Certificate of Participation.

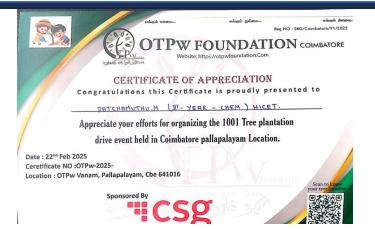


Ms. Vaishali B presented a paper on "Study on Chromium Adsorption – Selective Agriculture Waste as Potential Adsorption Materials" at the ICSW 2025 International Conference, held at KPR Institute, Coimbatore on 21–22 March 2025.



Ms. Vaishali B presented a paper on "Plant Mediated Synthesis of Magnetic Nanoparticles for Water Purification: A Sustainable Approach" at the RACEE 2025 National Conference held at BIT Campus, Tiruchirappalli on 7&8 March 2025.





Mr.Patchamuthu M from Hindustan College of Engineering participated in the Paper Presentation event at the Jfinagles 2025 National Level Technical Symposium hosted by JCT College and received a Certificate of Merit from 21.03.2025 to 22.03.2025.

Mr.Patchamuthu M (III Year – Chemical, HICET) received a Certificate of Appreciation from OTPw Foundation for organizing the 1001 Tree Plantation Drive held at Pallapalayam, Coimbatore, on 22nd February 2025.



CERTIFICATE OF MERIT

This is to certify that Mr/MsPATCHAM	M UHTUP			of
HCET, Colmbatore	has Obtained I / II / III Place	e/Po	artic	ipated in
the event(s) paper presentation on	line	in t	the	National
Level Technical Symposium (Jfinagles 2025) du	ring 21st & 22sd March, 2025.			









Mr.Anbuselvan K from HCET, CBE participated in the workshop titled "Real Time Process Simulation and Bioenergy" organized by the Department of Petroleum Engineering as part of JFinagles 2025, held on 21st and 22nd March 2025 at JCT College of Engineering and Technology, Coimbatore.

Mr.Harish Rahman P presented a paper on "Extraction of Carbon From Egg Shells" at the ICSW 2025 International Conference, held at KPR Institute, Coimbatore on 21&22 March 2025.





Mr.Muhammed Farhan P Z presented a paper on "Extraction of Carbon From Egg Shells" at the ICSW 2025 International Conference, held at KPR Institute, Coimbatore on 21&22 March 2025.

Mr.Harish Ragavendran R from Hindusthan College of Engineering and Technology participated in the Poster Designing event at ASTHRA 2k25, held on 9th April 2025 in Coimbatore.

KARPAGAM INSTITUTE OF TECHNOLOGY Approved by ACCT and Africate to Area University, Chemical Approved by ACCT and Africated to Area University, Chemical Approved by ACCT and Africated to Area University, Chemical Approved by ACCT and ACC
and of the distribution
This is to certify that HARLSH RAGAVENDRAN R of
HINDUSTRON COLLOGE OF ENGINEERING AND TECHNOLOGY has participated
in the event PAPER PRESENTATION as
part of ASTHRA-2K25, a National Level Technical Symposium and Cultural
Fest, held at Karpagam Institute of Technology, Coimbatore, on 9th April 2025.
CONVENER PRINCIPAL

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Certificate of Participation

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Mr.Harish Ragavendran R from Hindusthan College of Engineering and Technology participated in the Paper Presentation event at ASTHRA 2k25, held on 9th April 2025 in Coimbatore.

Mr.Harish Ragavendran R from Hindusthan College of Engineering and Technology participated in the 2nd International Conference on Sustainable Water, presenting a paper on "CFD analysis of heat transfer in spiral coil heat exchangers with Constant Wall Heat Exchanger Co-efficient" on 21.03.2025 To 22.03.2025.





Mr.Ummer Anshad M T presented a paper on "Extraction of Carbon From Egg Shells" at the ICSW 2025 International Conference, held at KPR Institute, Coimbatore on 21&22 March 2025.

Ms.Henna Fathima E K from Hindusthan College of Engineering and Technology received the 2nd Prize Best Paper Award at ICSW 2025 for presenting innovative research on "shrimp shell-based catalysts for biodiesel production" in Coimbatore, on 21.03.2025 To 22.03.2025



AICHE ICSW 2025 ACS 2nd International Conference on Sustainable Water To commemorate the World Water Day 2025 21 - 22 March, 2025 [Hybrid Mode] Department of Chemical Engineering Student Chapters of IIChE, AIChE, ACS and IE(I) **BEST PAPER AWARD** This is to certify that Dr. / Mr. / Ms. NIKITHA 2nd PRIZE MINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY presented a paper entitled SYNTHESIS OF NOVEL CATALYST USININ WASTE SHRIMP SHELLS FOR BIODIESEL PRODUCTION in ICSW 2025 held at KPR Institute of Engineering and Technology, Coimbatore, on 21.03.2025 and 22.03.2025 and selected for "BEST PAPER AWARD" MAN Convenor Principal

Ms.Nikitha from Hindusthan College of Engineering and Technology received the 2nd Prize Best Paper Award at ICSW 2025 for presenting innovative research on "shrimp shell-based catalysts for biodiesel production" in Coimbatore, on 21.03.2025 To 22.03.2025

Ms.Meera P from Hindusthan College of Engineering and Technology received the 2nd Prize Best Paper Award at ICSW 2025 for presenting innovative research on "shrimp shell-based catalysts for biodiesel production" in Coimbatore, on 21.03.2025 To 22.03.2025





Ms.Keerthana K from Hindusthan College of Engineering and Technology secured in Paper Presentation and Talent Hunt Second place during Jfinagles 2025, a National Level Symposium held at JCT College, Coimbatore on 21st–22nd March 2025.

CERTIFICATE OF MERIT

HINDUSTAN COLLEGE OF ENGG. AND TECH. has Obtained 1-/11/111 Place / Participated in

the event(s) ____ PAPER PRESENTATION & TALENT HUNT (T) place) in the National

Level Technical Symposium (Jfinagles 2025) during 21st & 22nd March, 2025.

This is to certify that Mr/Ms __AASHIKA_S

Ms.Aashika S from Hindusthan College of Engineering and Technology secured in Paper Presentation and Talent Hunt Second place during Jfinagles 2025, a National Level Symposium held at JCT College, Coimbatore on 21st–22nd March 2025.



Ms.Kaviya S from Hindusthan College of Engineering and Technology presented a research paper on "Utilising waste foundry sand for construction" at the ICSW 2025 conference held at KPR Institute, Coimbatore, on 21st–22nd March 2025.

Mr.Harish R from Hindusthan College of Engineering and Technology participated in the 2nd International Conference on Sustainable Water, presenting a paper on "CFD analysis of heat transfer in spiral coil heat exchangers with Constant Wall Heat Exchanger Co-efficient" on 21.03.2025 To 22.03.2025.





Mr.Santhosh K from Hindusthan College of Engineering and Technology secured in Paper Presentation and Talent Hunt Second place during Jfinagles 2025, a National Level Symposium held at JCT College, Coimbatore on 21st–22nd March 2025.

Mr.Kumaran G from Hindusthan College of Engineering and Technology secured in Paper Presentation and Talent Hunt during Jfinagles 2025, a National Level Symposium held at JCT College, Coimbatore on 21 & 22nd March 2025.





Mr.Karthik A Nair presented a paper on "Extraction of Carbon From Egg Shells" at the ICSW 2025 International Conference, held at KPR Institute, Coimbatore on 21&22 March 2025.