DEPARTMENT OF
CHEMICAL ENGINERING

CALENDAR OF EVENTS

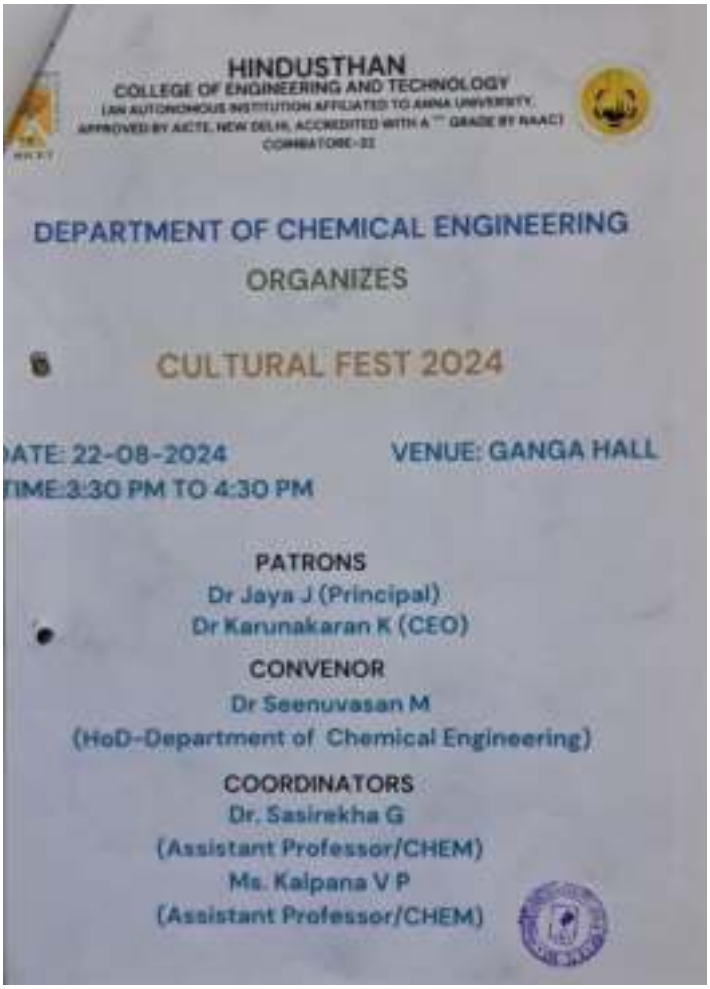
ACADEMIC YEAR
2024-25

Program on"Celebrating Udyamita Diwas -Workd Entrepreneurship Day"

OUTCOME

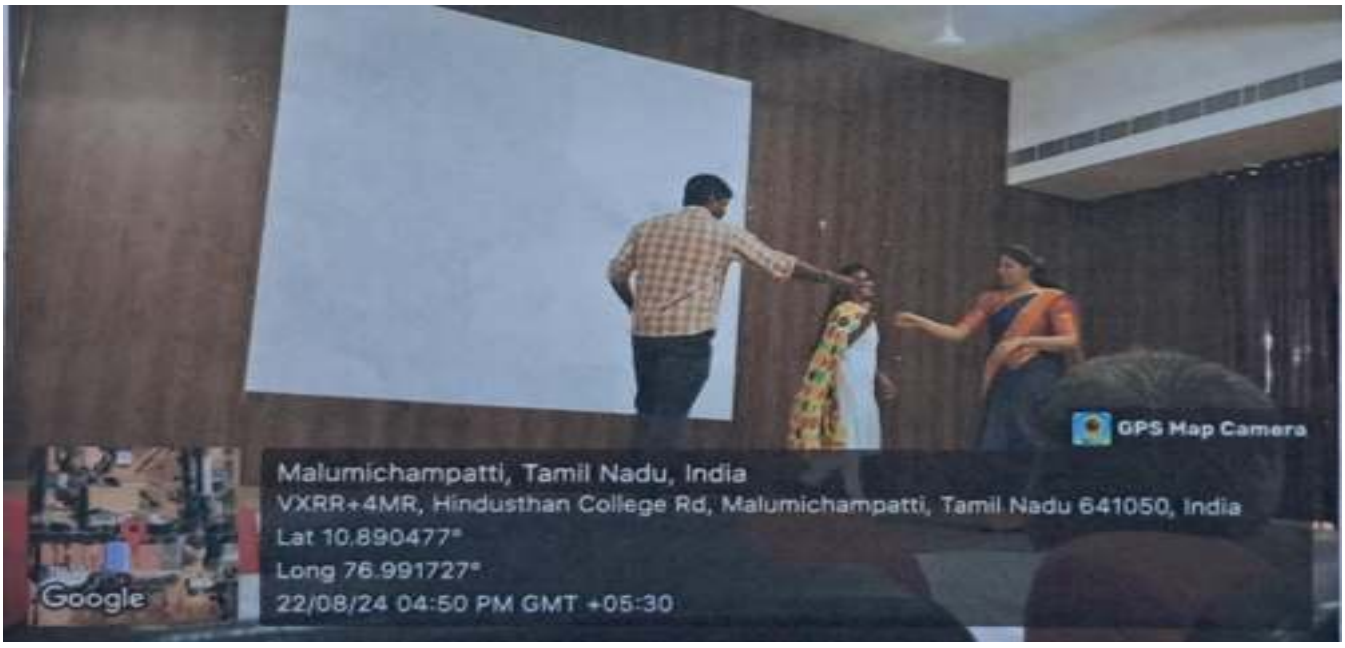
Dr Dinesh Kumar S interacted with the students about the event "Celebrating Udyamita Diwas - World Entrepreneurship Day: Sustainable Innovation: Leveraging Climate Finance for Entrepreneurial Success" was successfully conducted on 21.08.2024. It aimed to inspire engineering students by exploring the intersection of entrepreneurship and climate finance, with an emphasis on sustainable practices. The event saw participation from 58 students across various engineering disciplines, along with faculty members. A keynote address was delivered by Dr. Dineshkumar S, Assistant Professor, Department of Agricultural Engineering, Hindusthan College of Engineering and Technology, Coimbatore, who highlighted the urgent need for climate action and the importance of financial mechanisms in driving sustainable change. Post-event feedback was overwhelmingly positive, with participants appreciating both the relevance of the topics and the quality of the sessions.

Program on"Cultural Fest 2024"



OUTCOME

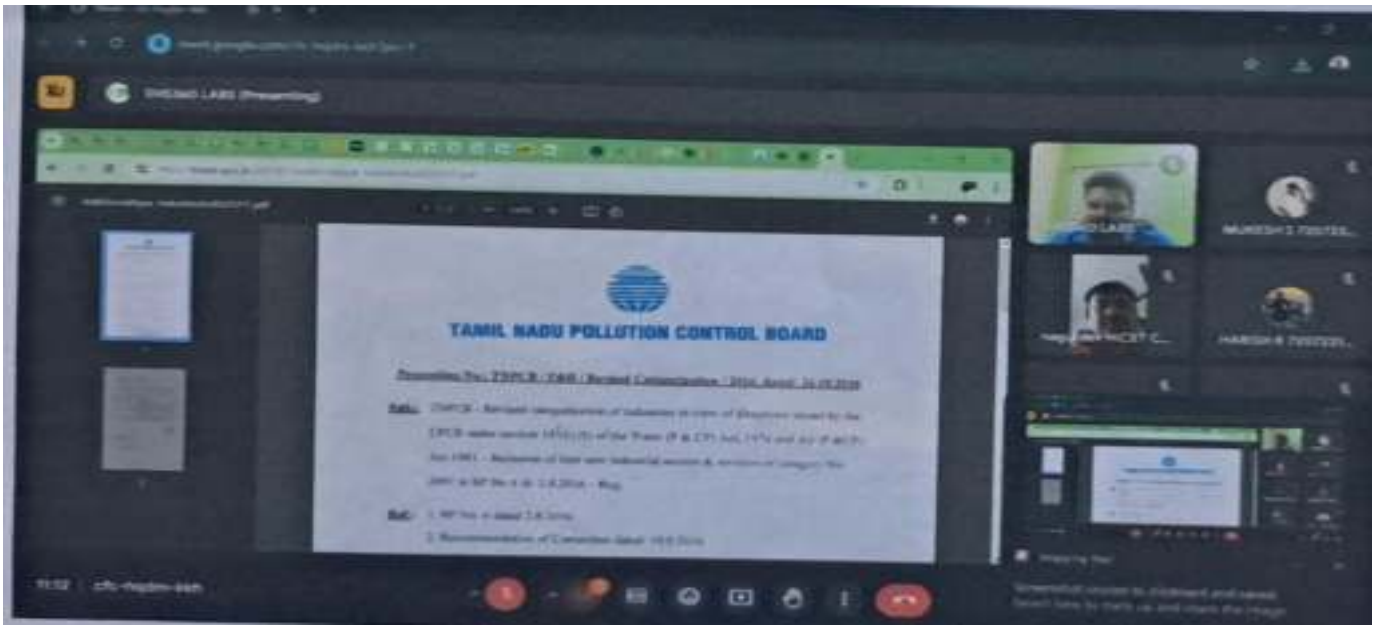
The cultural activities organized by the Department of Chemical Engineering were a vibrant celebration of diversity, engaging over 67 students. The Cultural Fest included dance performances and other engaging events. Additionally, a semester-long Cultural Exchange Program facilitated meaningful connections and enriched student experiences. These initiatives significantly boosted participation and strengthened the sense of community on campus, highlighting the important role of cultural activities in enhancing the overall college experience. The event concluded with a prize distribution ceremony.



Program on "Driving Innovation: The Role of Entrepreneurship in Advancing Environmental Sustainability"

OUTCOME

Students are able to incorporate innovations in renewable energy, energy efficiency, waste management, and sustainable agriculture. Participants can effectively analyze how successful sustainable start-ups attract investments from venture capitalists, government grants, and impact investors committed to supporting environmental solutions. Attendees will gain insights into environmental sustainability-focused entrepreneurship, enabling the creation of new job opportunities in emerging sectors such as green technology, eco-friendly products, and sustainable services. Learners will develop a comprehensive understanding of regulatory frameworks, fostering a more favorable environment for future sustainable ventures.



CHEMERSATZ'2024

Second National Level Technical Symposium

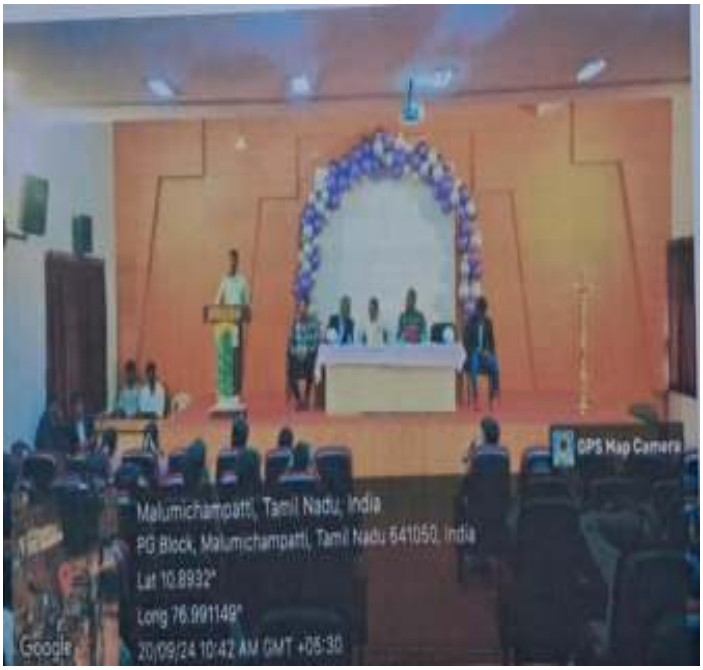
20 SEPTEMBER 2024

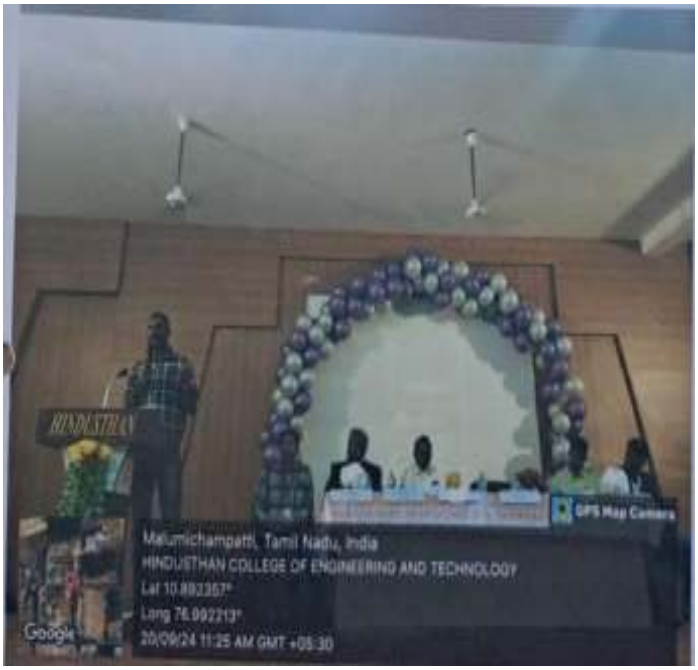
- TECHNICAL PRESENTATION
- POSTER PRESENTATION
- TECHNICAL QUIZ
- CONNECTIONS

➢ 20 SEPTEMPER 2024

OUTCOME

The inauguration of the Indian Institute of Chemical Engineers – Student Chapter was a notable event that brought together students, faculty, and industry professionals. The event aimed to promote academic and professional development in the field of chemical engineering. It commenced with a warm welcome and introduction, emphasizing the event's significance. Esteemed guests, including academic leaders and industry experts, attended to express their support and share valuable insights. The keynote address by the Guest of Honor was a major highlight, covering current industry trends, challenges, and opportunities. This motivated students to strive for excellence in their academic and career pursuits. The official inauguration symbolized a strong commitment to advancing chemical engineering education. An interactive session followed, offering students a chance to engage with professionals, ask questions, and understand real-world applications of their studies.

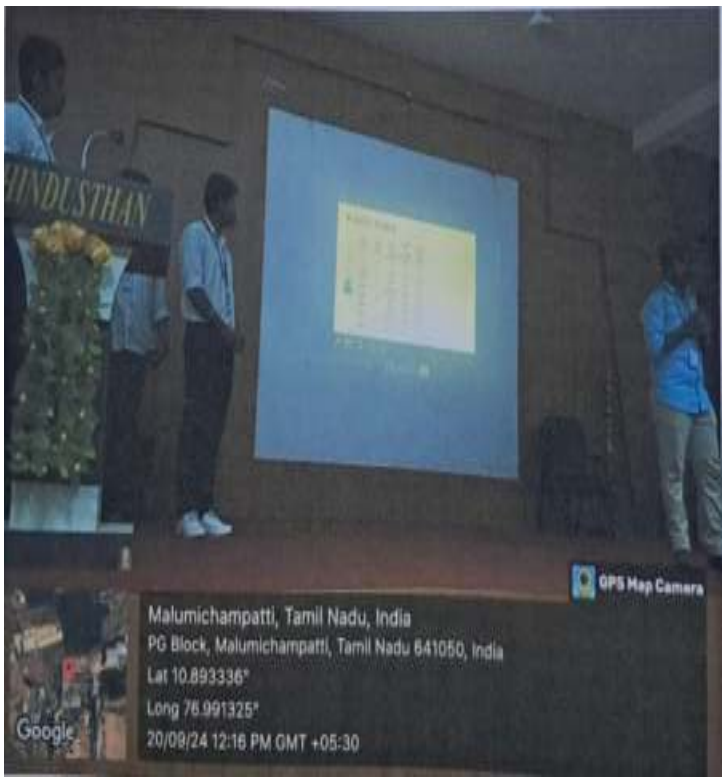




➢ **20 SEPTEMPER 2024**

Technical Presentation

This event aimed to enhance the students' technical communication skills. Participants were required to prepare and deliver presentations on technical topics relevant to their field. The process tested not only their knowledge of the subject but also their ability to structure content effectively, engage an audience, and communicate ideas clearly and professionally. This activity is crucial for developing confidence and presentation skills, which are essential for academic, industrial, and research careers.



Poster Presentation

Ms. Induja P explained the rules and regulations of the Poster Presentation event. The session was conducted in an organized manner, with active interaction between students and the coordinators. Each participating team presented their posters one by one. Ms. Induja P, the staff coordinator of the event from Hindusthan College of Engineering and Technology, reviewed and evaluated all the posters. She delivered a fair and unbiased judgment, ensuring transparency for all participants. Participation certificates were distributed to all students who took part in the event. The first place was secured by St. Joseph's College of Engineering, while the second place was awarded to KPR Institute of Engineering and Technology.

➢ **20 SEPTEMPER 2024**

CONNEXTIONS

The Connexions game event was conducted successfully, with participants enthusiastically engaging in identifying chemicals, phrases, and prominent chemical personalities from sequences of images. This activity helped improve participants' critical thinking and logical reasoning skills as they interpreted visual clues. The event encouraged teamwork, with many participants collaborating, sharing strategies, and building on each other's ideas, which enhanced the overall learning experience. The game's interactive format kept everyone actively involved and motivated throughout each round. Participants found the challenge of decoding clues both enjoyable and stimulating, and many expressed keen interest in attending similar events in the future.

TECHNICAL QUIZ

This quiz focused on core subjects such as Heat Transfer, Mass Transfer, and Unit Operations, simulating GATE-level questions. Students tested their academic understanding and quick problem-solving abilities. The quiz fostered a spirit of healthy competition and deepened conceptual knowledge.

Program on "Innovative Techniques and Future Scenarios in Oil and Gas Industry"

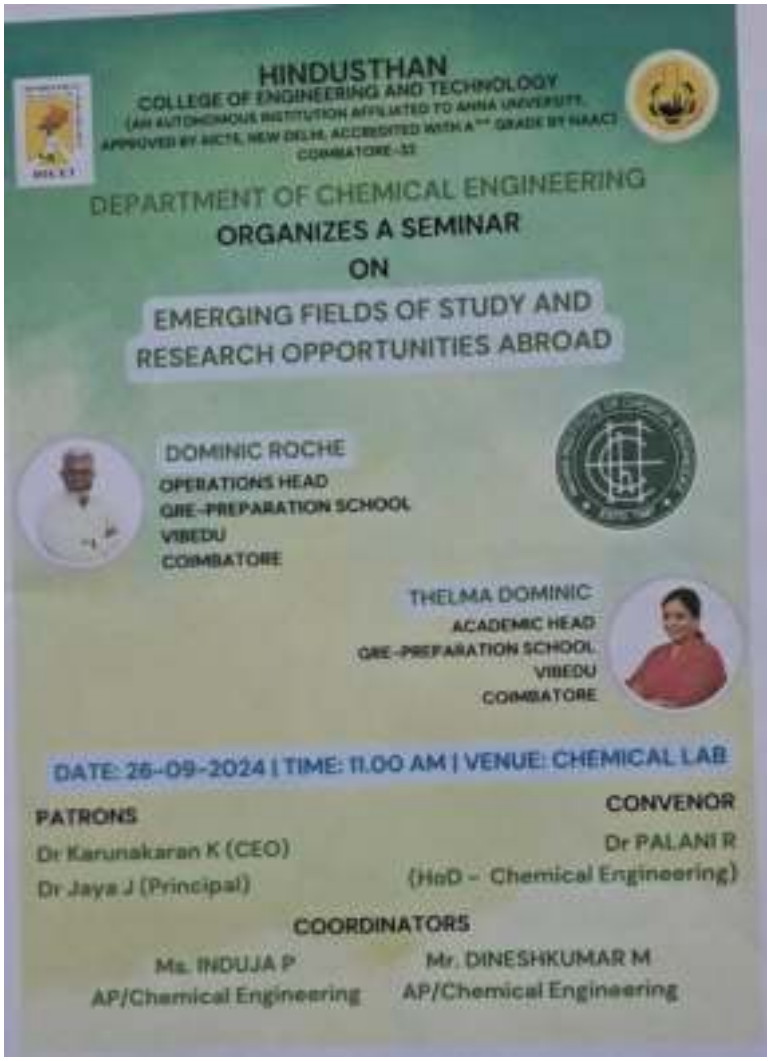
OUTCOME

The session aimed to equip students with a comprehensive understanding of current and future trends in the oil and gas sector, focusing on technological advancements and regulatory developments. Students explored innovative methods like enhanced oil recovery, automation, and renewable energy integration. Through data analysis and case studies, they assessed the impact of innovation on industry sustainability. The program emphasized critical thinking to solve industry challenges considering economic, environmental, and social aspects. Furthermore, it fostered awareness about sustainable practices and their importance in mitigating climate change.

Program on “Emerging Fields of Study and Research Opportunities Abroad”

OUTCOME

The event, hosted by Dominic Roche and Thelma Dominic, focused on "Emerging Fields of Study and Research Opportunities Abroad." They provided valuable insights into the latest trends in global research, particularly in areas like artificial intelligence, renewable energy, and environmental sustainability. Dominic Roche emphasized the importance of interdisciplinary collaboration and how researchers can contribute to solving pressing global challenges. Thelma Dominic highlighted opportunities for aspiring researchers to study abroad, discussing scholarships, fellowships, and partnerships with leading institutions worldwide. The event fostered a forward-thinking approach, encouraging attendees to embrace global research opportunities for both academic and career growth. Dominic Roche and Thelma Dominic emphasized the importance of standardized exams like the GRE, TOEFL, IELTS, and GMAT for gaining admission to international institutions.The speakers highlighted the importance of planning ahead and achieving competitive scores to improve admission chances and secure scholarships, ensuring a smooth path to studying abroad.



Program on “Outreach Activity”

OUTCOME

The river cleaning outreach activity aimed to address pollution in the Ambarampalayam temple river and promote environmental stewardship within the community. Waste was collected near the temple and river so water quality was increased near the bank of river. Different types of waste were collected and disposed of properly. Strengthened awareness to the students about the importance of clean rivers and sustainable practices. The river cleaning drive was a successful initiative, not only in terms of waste collection but also in raising environmental awareness.

Program on "Enhancing Skill Development in Chemical Process Simulation: A Pathway To Industry Readlines"

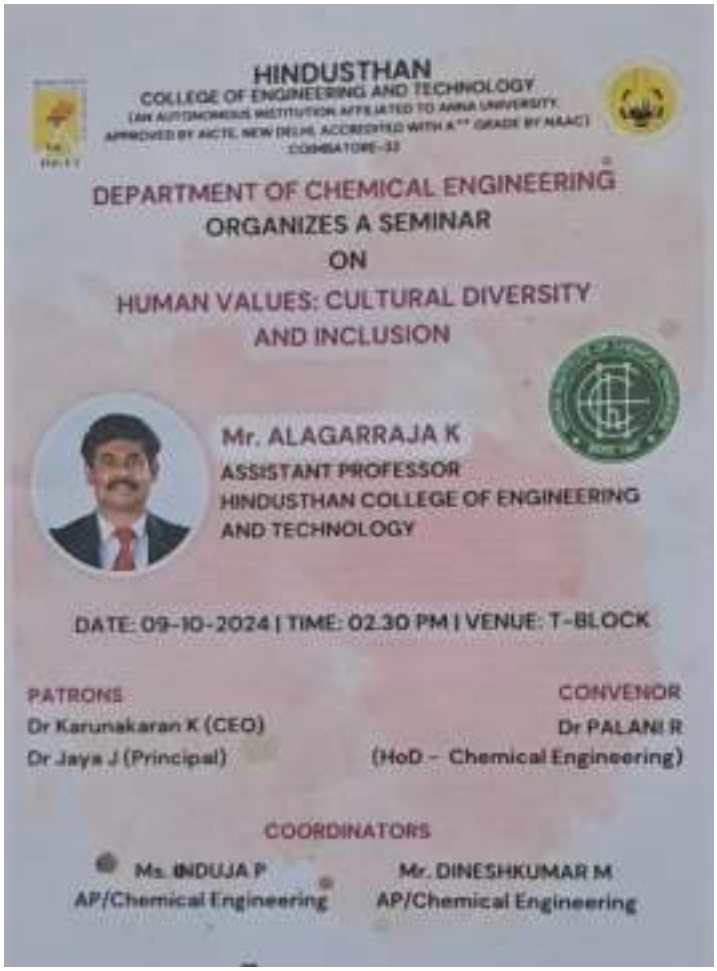
Outcome

Students will become proficient in using industry-standard chemical process simulation software. Students will gain an understanding of the principles of chemical process design and optimization. Students will apply fundamental chemical engineering principles to real-world problems using simulation. They will be prepared for industry-level certifications or standards (if applicable) in process simulation. Students will be able to work in teams, contributing to collaborative projects in process simulation. Students will stay updated on the latest trends in chemical process simulation and digital transformation in the chemical industry. Students will understand the importance of safety, sustainability, and environmental considerations in process design.

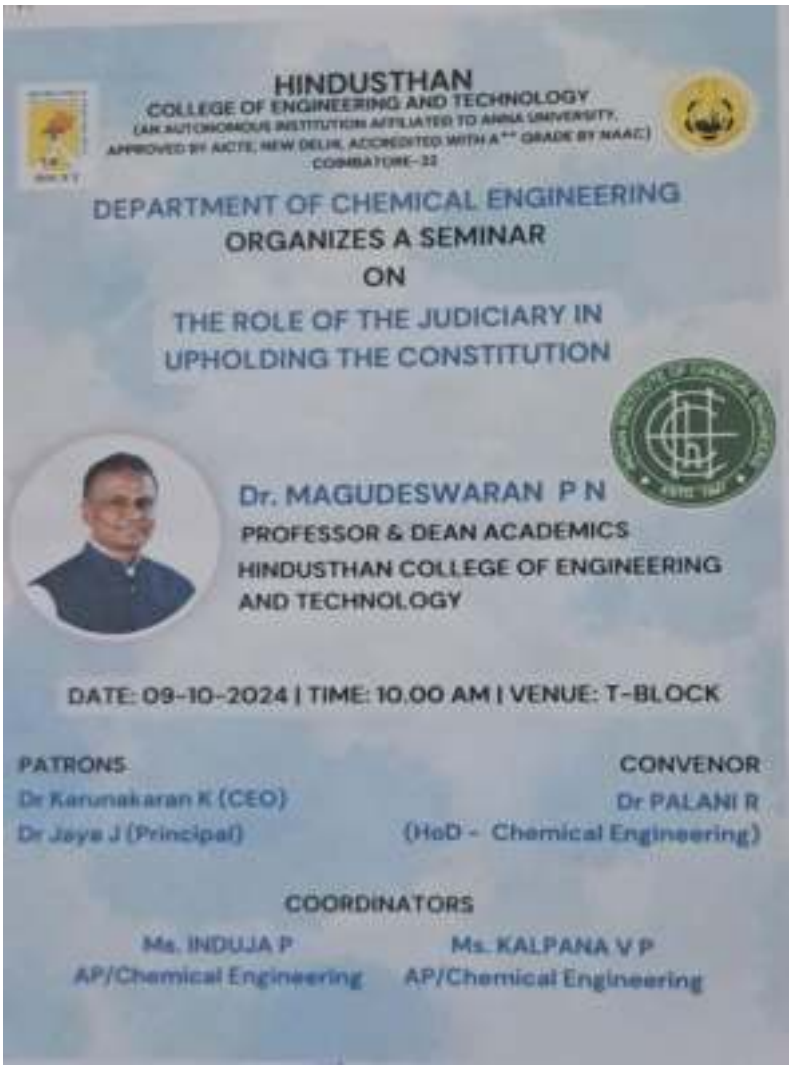
Program on “Human Values:Cultural Diversity and Inclusion”

OUTCOME

Mr. Alagarraja K interacted with the students on "Human Values: Cultural Diversity and Inclusion" aims to enhance participants' understanding of the significance of cultural diversity and its positive impact on society. Attendees will gain insights into practical strategies for fostering inclusive environments in various settings, such as workplaces and communities. Through engaging discussions and activities, participants will develop greater empathy toward individuals from different backgrounds and improve their communication skills. The seminar will encourage critical thinking about personal biases and provide actionable frameworks for implementing inclusive practices. Additionally, attendees will have the opportunity to network with like-minded individuals, fostering collaboration and the sharing of best practices. By the end of the seminar, participants will commit to ongoing learning about diversity and inclusion, and they will create personal or organizational action plans to promote these values in their environments, ultimately contributing to a more inclusive society.



Program on “The Role of The Judiciary In Upholding The Constitution”



Outcome

Dr. Magudeswaran P N interacted with the students about "The Role of the Judiciary in Upholding the Constitution" provided participants with a comprehensive understanding of the judiciary's vital function in maintaining the rule of law and protecting citizens' rights. Attendees gained insights into landmark Supreme Court cases that have significantly influenced constitutional interpretation and governance in India. The discussion highlighted the judiciary's responsibility to safeguard fundamental rights, ensure accountability among the executive and legislative branches, and address issues of social justice. Participants engaged in thoughtful conversations about the challenges faced by the judiciary, including judicial independence and the impact of public opinion on decisions. By the end of the session, attendees expressed a deeper appreciation for the judiciary's role as a guardian of the Constitution and its significance in shaping a just society. Many committed to further exploring judicial activism and the evolving nature of constitutional law in India, fostering a greater awareness of the judiciary's critical function in upholding democratic values and protecting the rights of all citizens.

Program on “Sports Day”

OUTCOME

For boys, Cricket and volleyball were conducted and for girls, badminton and volleyball were conducted. First started Cricket was played between second-year and third-year boys, second-year boys batted first scoring a total of 64 runs in the allotted 10 overs, third-year boys chased in 8 overs. Students encouraged them by sitting outside of the rope. Volleyball was played between four teams, the game went down to the wire, with four teams winning 3 sets each, forcing a decisive final set. Third-year boys won the thrilling match. For girls, Badminton and volleyball were conducted. Third-year girls won the badminton match and second-year girls won the volleyball match. The Sports Day event came to a joyous end, leaving participants and spectators with memories of thrilling moments and the promise of more such events in the future.

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 decision-making.Students will develop the ability to analyze data and case studies to evaluate the impact of innovations on industry 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 real-world consequences.

Program on "1Day Webinar On Research Methodology"

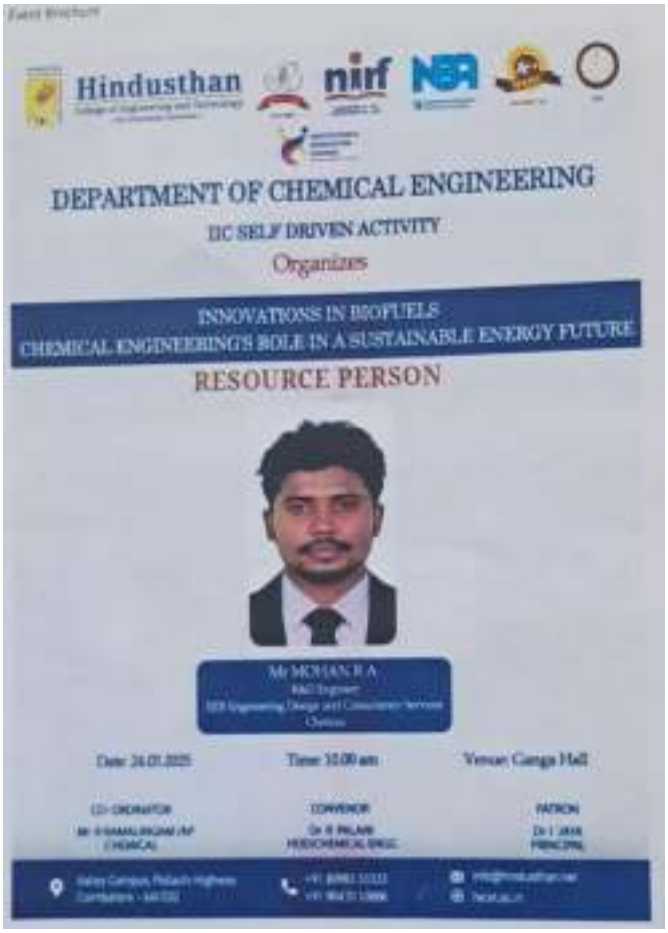
OUTCOME

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 surveys, interviews, observations, 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

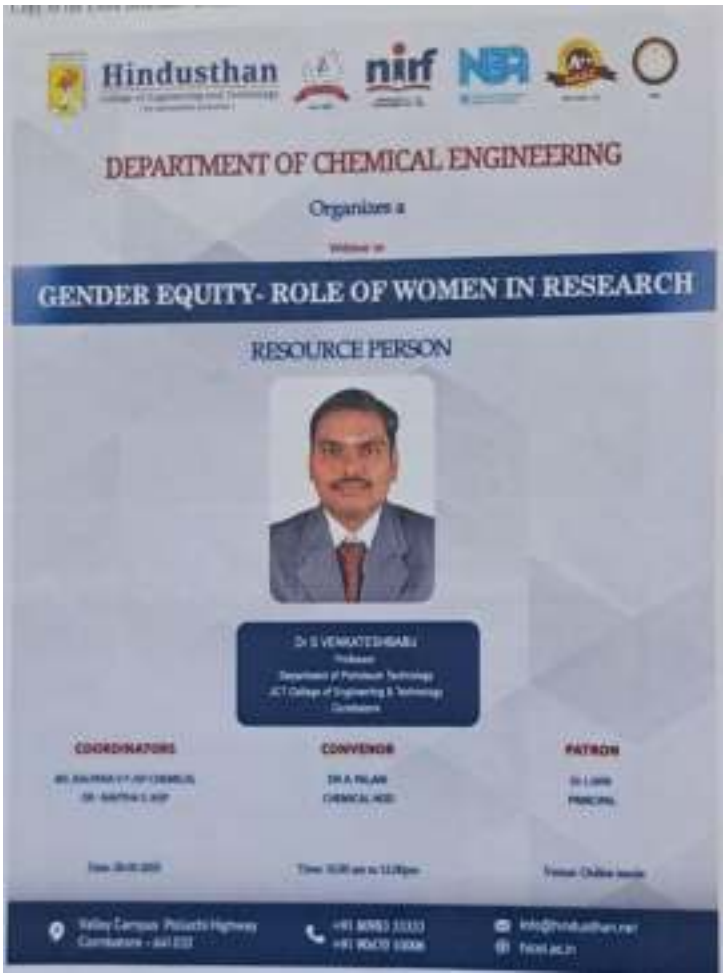
Program On "Innovation In Biofuels Chemical Engineering Role In A Sustainable Energy Future"

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"



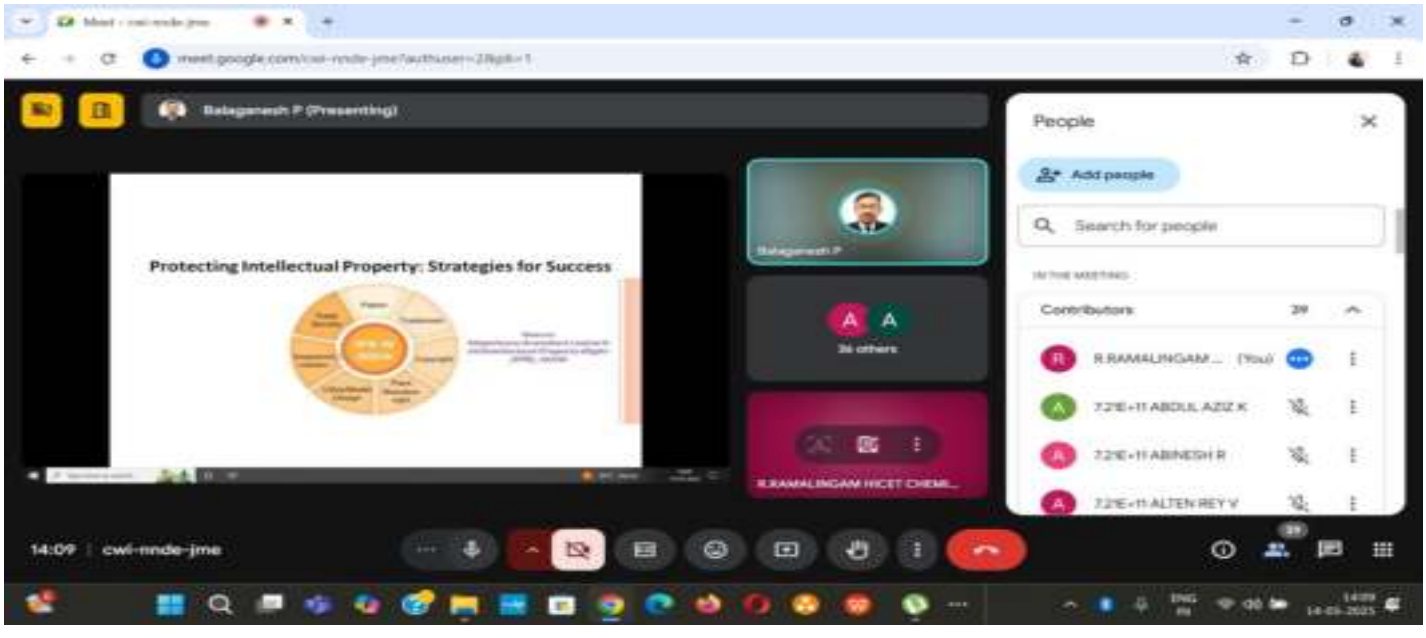
OUTCOME

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, and work-life balance. Experts emphasized the need for mentorship, institutional support, and policy reforms to create an inclusive research environment. The event concluded with a commitment to fostering equal opportunities and empowering women in research for a more diverse and innovative future.

”Protecting Intellectual Property- Strategies for Success ”

OUTCOME

Students gain a better understanding of intellectual property concepts such as patents, copyrights, trademarks and their importance in innovation and research.The event can motivate students to innovate and develop original ideas , knowing that their intellectual property can be legally protected.Students learn about their legal procedures to protect their work and the ethical implications of respecting other’s intellectual property. Exposure to IPR enhances skills in documentation, legal awareness, and entrepreneurship,potentially opening up career paths in R&d, law, and startup



" Empowering Energy & Environment Through Innovation And Sustainable Practices "

” Empowering Energy & Environment Through Innovation And Sustainable Practice ”

OUTCOME

Participants will develop a deeper understanding of current challenges in energy and environmental sectors and the need for sustainable development.Exposure to cutting-edge technologies, renewable energy systems, and sustainable engineering practices relevant to academic and industrial applications.Improved ability to design and implement innovative, eco-friendly solutions in energy and environmental systems through interdisciplinary approaches.Capability to incorporate sustainability principles and innovative practices into academic syllabi and research hodologies.