



KPR Institute of
Engineering and
Technology

Learn Beyond

(Autonomous, NAAC "A")

Avinashi Road, Arasur, Coimbatore.

Department of Chemical Engineering



2 Issue

October - December, 2026

INSIDE NEWSLETTER

VISION AND MISSION

INAUGURATIONS

GUEST LECTURES

SEMINARS

WEBINARS

DEPARTMENT EVENTS

INTERACTION SESSIONS

ORIENTATION

FACULTY PARTICIPATIONS

PLACEMENTS

STUDENT CORNER

JOURNAL PUBLICATION

EDITORIAL TEAM

Vision and Mission Institute

Vision and Mission Department

Vision

To become a premier Institute of academic excellence by imparting technical, intellectual, and professional skills to students for meeting the diverse needs of industry, society, the nation and the world at large.

Mission

- Commitment to offer value based education and enhancement of practical skills
- Continuous assessment of teaching and learning processes through scholarly activities
- Enriching research and innovative activities in collaboration with industry and institute of repute
- Ensuring the academic processes to uphold the culture, ethics and social responsibility

Vision

To be a center of academic and research excellence in chemical engineering to cater to the diverse needs of industry, society and the global community.

Mission

- Provide quality education that integrates values and practical skills to ensure effective learning outcomes
- Promote research, innovation, and collaboration with industries and institutions of repute
- Inculcate professionalism, ethics, lifelong learning and social responsibilities



Inauguration

ChEA - Chemical Engineering Association
Academic Year 2024 -2025



Department of Chemical Engineering
KPR Institute of Engineering and Technology
Coimbatore - 641104



Chemical Engineering Association (ChEA) was proudly inaugurated on 17th August 2024. The event was graced by Mr. Venkatesan Jayaraman, Lead Process Engineer, Oil and Gas Technology Division – SLB, Coimbatore, as the Chief Guest. Mr. Venkatesan shared his wealth of knowledge and industry experience with the students, offering valuable insights into advancements in the oil and gas sector and the evolving role of chemical engineers in modern industries. His address inspired students to explore cutting-edge technologies and pursue excellence in their academic and professional journeys. The inauguration of ChEA marks a new chapter for the department, with a focus on fostering collaboration, innovation, and professional development among students. The event set the stage for an exciting year of activities and initiatives aimed at enhancing the educational experience and preparing students for successful careers in Chemical Engineering.

IEI Seminar on “Renewable Energy Integration in Chemical Engineering: Role and Challenges”

Events Department

SEMINARS



Dr. P. Ragupathy
Inagural Address



The Institution of Engineers (India)
Coimbatore Local Centre

In association with
Department of Chemical Engineering
KPR Institute of Engineering and Technology, Coimbatore

Cordially invites you for
One day Seminar on
“Renewable Energy Integration in Chemical Engineering: Role and Challenges”

under the segil of
Chemical Engineering Division Board IEI

31 July, 2024

Our Speakers



Dr. R. Rangith Kumar
Project Officer
Department of Civil Engineering
Indian Institute of Technology Madras



Dr. P. Ragupathy
Principal Scientist
Flow Battery Section, Electrochemical Power Sources Division
CSIR-Central Electrochemical Research Institute, Karaikudi



Dr. A. Karthick
Associate Professor, Dept. of EEE
KPR Institute of Engineering and Technology
Coimbatore



Dr. S. Prasad
Assistant Professor (Dr. S), Dept. of ChemE
KPR Institute of Engineering and Technology
Coimbatore



Dr. J. Krishnamoorthi
Organizing Chairman
FIE
Chairman
IEI Coimbatore Local Centre



Dr. S. Madhan Mohan
Organizing Secretary
FIE
Honorary Secretary
IEI Coimbatore Local Centre

Veena Hall, KPRIET Time: 9.30 am



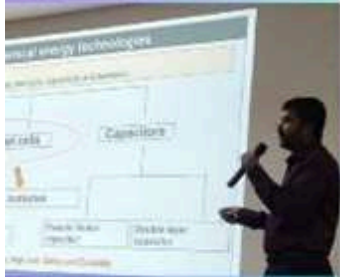
Dr. S. Balasubramanian
About the Seminar



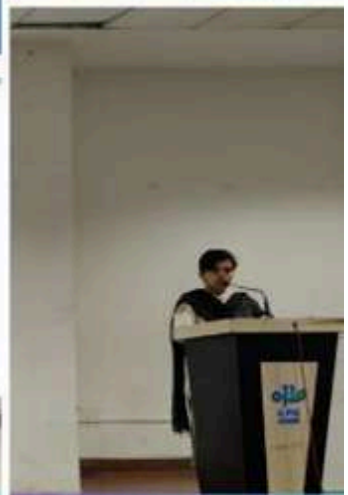
Dr. G. Madhan Mohan
Welcome Address



Lt. Dr. A. K. Priya
Introduction of Chief Guest



Dr. P. Ragupathy
Invited Lecture I



Dr. R. Umapriya
Vote of Thanks

KPR Institute of Engineering and Technology: Seminar on Renewable Energy Integration in Chemical Engineering – Role and Challenges, Veena Hall, 9.30 a.m.



Chemical Engineering
Division of
KPRIET Students Chapter
Coimbatore Local Chapter

நிய நிகழ்ச்சி
பகளுக்கு ஒரு நல்ல செய்தி!
செலிசு மட்டுமல்ல, அடுத்த
கு உள்ள நிகழ்ச்சிகளையும், துணி
0 09282
யாபிலைக் அனுப்பி வைக்கலாம்.
சுழ்ச்சிகள் துங்கலாற்றும்,
சு தினமும் வெளியிடப்படும்.

துறைகள் திறப்பு விழா
கே.பி.ஆர்., கலை அறிவி
யல் மற்றும் ஆராய்ச்சிக்
கல்வியார், அரஞ்சுர் • காலை,
10:30 மணி.

பொது
ஆடி கண்ணாடி. விந்நகை
பூம்புகார் விந்நகை நிலை
யம், பெரியகடை வீதி
• காலை, 10:00 முதல்
இரவு, 8:00 மணி வரை.

குடிநேரம்
விழிப்புணர்வு முகாம்
• குழந்தைகள் காப்பகம்,
ஐ.பி.ஏ., சர்ச் அருகில்,
பாரதி நகர், கோவைப்
புதூர் • இரவு, 7:00 முதல்,
8:30 மணி வரை.

• நண்பர்கள் அன்பு
நூலகம், மாச்சம்பாளை
யம், கத்தராபுரம் • இரவு,
7:00 முதல், 8:30 மணி
வரை. ஏற்பாடு: ஆல்கஹா
லிக்ஸ் அணாணிமல்.

கல்வி
ஆசிரியர்
தினந்தேவப்பாடு பவிந்நி
ஜான்சல் தொழில்நுட்பக்
கல்லூரி, கருமத்தம்பட்டி
• காலை, 9:30 மணி.

கருத்தரங்கு
கே.பி.ஆர்., பெற்றியியல்
மற்றும் தொழில்நுட்பக் கல்



The Institution of Engineers (India), Coimbatore Local Centre, in association with the Department of Chemical Engineering at KPR Institute of Engineering and Technology, Coimbatore, organized a one-day seminar on "Renewable Energy Integration in Chemical Engineering: Role and Challenges" on 31st July 2024 at Veena Hall, KPRIET. The seminar held under the aegis of the Chemical Engineering Division Board, IEI, began at 9:30 am with an inaugural session. Dr. G. Madhan Mohan, Honorary Secretary of IE(I), delivered the welcome address, outlining the institute's efforts in promoting science and technology. Dr. S. Balasubramanian, Professor and Head, Department of Chemical Engineering, provided an overview of the seminar's objectives. Dr. P. Ragupathy, Principal Scientist at CSIR - Central Electrochemical Research Institute, Karaikudi, delivered the chief guest address, discussing the critical role and challenges of integrating renewable energy in chemical engineering. Lt. Dr. A. K. Priya, Professor, Department of Chemical Engineering introduced the chief guest, and Dr. R. Umapriya, Assistant Professor III proposed the vote of thanks.

"Organizing seminars for undergraduate students is not just about sharing knowledge, it is about creating a platform where curiosity meets experience, and learning extends beyond the classroom."

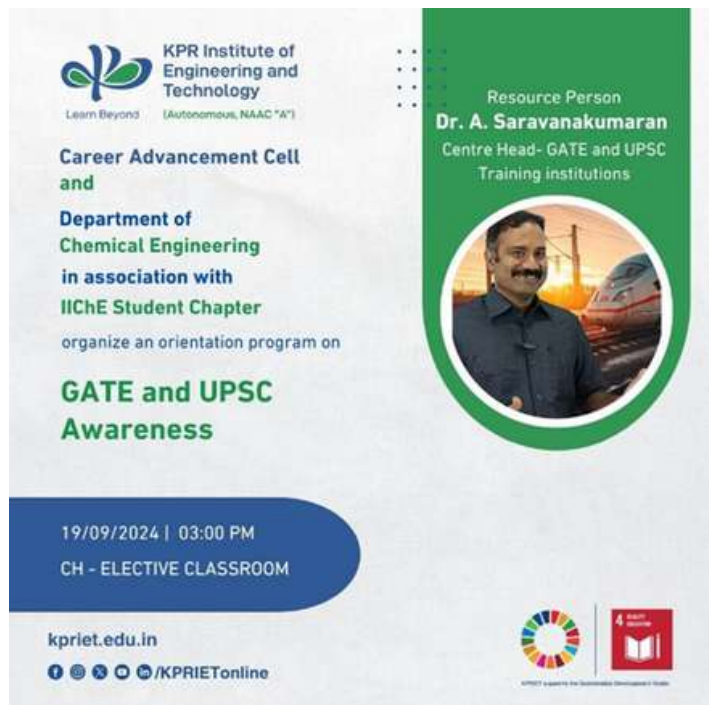
A seminar is a conversation that bridges theory and practice, allowing students to question, explore, and grow into confident learners and future professionals

Agenda		
09.30 AM - 10.15 AM	Inaugural Function	
	Prayer Song	
	Welcome & Presidential Address	Dr J Krishnamoorthi Chairman IEI Coimbatore Local Centre
	About the Seminar	Dr S Balasubramanian Professor and Head, Department of Chemical Engineering KPR Institute of Engineering and Technology
	Introduction to the Chief Guest	Dr A K Priya Professor, Department of Chemical Engineering KPR Institute of Engineering and Technology & Committee Member, IEI Coimbatore Local Centre
	Chief Guest Address	Dr P Ragupathy Principal Scientist, Flow Battery Section Electrochemical Power Sources Division CSIR - Central Electrochemical Research Institute, Karaikudi
	Vote of Thanks	Dr G Madhan Mohan Honorary Secretary IEI Coimbatore Local Centre
Technical Sessions		
10.16 AM to 11.15 AM	Invited Lecture I	Topic: "Electrochemical Energy Storage and Conversion Systems: Great Challenges and Opportunities" by Dr P Ragupathy Principal Scientist, Flow Battery Section Electrochemical Power Sources Division CSIR - Central Electrochemical Research Institute, Karaikudi
11.15 AM - 11.30 AM	Tea Break	
11.31 AM - 01.00 PM	Invited Lecture II	Topic: "Role of Chemical Engineering in Renewable Energy" by Dr A Karthick Associate Professor Department of Electrical and Electronics Engineering KPR Institute of Engineering and Technology
01.01 PM - 02.00 PM	Lunch Break	
02.01 PM - 03.00 PM	Invited Lecture III	Topic: "Carbon - Free Fuel System" by Dr R Ranjith Kumar Project Officer, Department of Civil Engineering Indian Institute of Technology Madras
03.01 PM - 03.15 PM	Tea Break	
03.15 PM - 04.30 PM	Invited Lecture IV	Topic: "Technologies for Sustainable Production of Hydrogen" by Dr S Pranav Assistant Professor (Sr.G) Department of Chemical Engineering KPR Institute of Engineering and Technology
04.31 PM - 04.45 PM	Concluding Session	

Dr. P. Ragupathy, Principal Scientist, Flow Battery Systems, CSIR delivered the first lecture on “Electrochemical Energy Storage and Conversion Systems: Great Challenges and Opportunities,” focusing on the importance of R&D in overcoming challenges and the opportunities for innovation in electrochemical energy systems. Following this, Dr. A. Karthick, Associate Professor in the Department of Electrical and Electronics Engineering at KPRIET, presented on the “Role of Chemical Engineering in Renewable Energy,” highlighting the synergy between Chemical Engineering and renewable energy technologies and the role of chemical engineers in optimizing these processes. In the afternoon, Dr. R. Ranjith Kumar, Project Officer at IIT Madras, provided insights into “Carbon-Free Fuel Systems,” covering advancements in hydrogen fuel cells, battery technologies, and synthetic fuels, with a focus on the importance of green hydrogen produced from renewable sources. Dr. S. Pranav, Assistant Professor II, Department of Chemical Engineering, KPRIET concluded the seminar with a talk on “Technologies for Sustainable Production of Hydrogen,” discussing sustainable hydrogen production technologies and their integration with renewable energy systems.

The seminar concluded with a valedictory session and the distribution of certificates to participants. The event was a significant step in advancing understanding and collaboration in the field of renewable energy and its integration into Chemical Engineering practices.

GATE Orientation



KPR Institute of Engineering and Technology
Learn Beyond (Autonomous, NAAC "A")

Career Advancement Cell and Department of Chemical Engineering in association with IChE Student Chapter
organize an orientation program on

GATE and UPSC Awareness

Resource Person
Dr. A. Saravanakumaran
Centre Head- GATE and UPSC Training institutions

19/09/2024 | 03:00 PM
CH - ELECTIVE CLASSROOM

kpriet.edu.in
f t i y w h /KPRIETonline

KPRIET is an ISO 9001:2015 Certified Institute



The Career Advancement Cell and Department of Chemical Engineering, in collaboration with the IChE Student Chapter, organized an orientation program on “GATE and UPSC Awareness” on 19th September 2024. Dr. A. Saravanakumaran, Centre Head of GATE and UPSC Training Institutions, served as the resource person. He provided insights into the structure, preparation strategies, and career opportunities through GATE and UPSC exams. Dr. Saravanakumaran emphasized the importance of early preparation and discussed the potential for Chemical Engineers in PSUs and administrative roles. The session was interactive and highly beneficial for the students.





The Centre for Nanoscience and Technology (C-NAT) of the Center for Research and Development (CFRD) at KPRIET signed a Memorandum of Understanding (MoU) with Pushpagiri Research Center, Kerala on 29th August 2024. The MoU was formalized by Dr. Daniel Thangadurai, Associate Director of CFRD and Head of C-NAT, alongside Dr. S. Balasubramanian, Professor and Head of the Department of Chemical Engineering. This agreement focuses on the development of nanomaterials for medical applications, marking a significant step in advancing research and collaboration in the field.

Department of Chemical Engineering



2 Issue

October - December, 2025

Editorial Team

Faculty & Staff Team

Ms. L. Dharani

Students Team

Ms. Samyuktha Ramesh

Mr. S. Anbarasan

Mr. R. Jotheeswaran

Ms. S. Vidula

IChE Students Chapter

AIChE Students Chapter

Association Office Bearers