

Information Brochure

The Institution of Engineers (India)

A Century of Service to the Nation

One Day Seminar

on

**“From Emissions to Resources: CO₂ Capture,
Storage and Utilization”**

04.08.2026

Organized by



The Institution of Engineers (India)

Coimbatore Local Centre

Under the aegis of

Chemical Engineering Division Board, IEI

in association with



Department of Chemical Engineering
KPR Institute of Engineering and Technology
Coimbatore

Venue: Veena Hall

*KPR Institute of Engineering and Technology
Coimbatore - 641407*

About The Institution of Engineers (India)

The Institution of Engineers (India) or IEI is the largest multidisciplinary professional body that encompasses 15 engineering disciplines and gives engineers a global platform for sharing professional interest. IEI has membership strength of above 2.6 lakhs. Established in 1920, with its headquarter at Kolkata, IEI has served the engineering fraternity close to a century. During this period of time, IEI has been inextricably linked with the history of modern-day engineering.

In 1935, IEI was incorporated by Royal Charter and remains the only professional body in India which has been accorded this honour. Today, its quest for professional excellence has given it a place of pride in almost every prestigious and relevant organization across the globe. It provides a vast array of technical, professional and supporting services to the Government, Industries, Academia and the Engineering fraternity, operating through its 124 Centres located across the country and 6 overseas chapters. Besides, IEI has bilateral agreements with about 31 international bodies and membership of another 8 international bodies of the developed nations across the globe.

Being recognized as a Scientific and Research Organisation (SIRO) by the Department of Scientific and Industrial Research, Ministry of Science and Technology, Government of India, IEI promotes the cause of research and development by providing Grant-in-Aid support to undergraduate, post graduate students and Ph.D. research scholars of Engineering Institutions and Universities.

IEI holds the International Professional Engineers (IntPE) Register for India under the global International Professional Engineers Alliance (IntPEA). The Institution also awards the Professional Engineers (PE) Certification and confers the Chartered Engineer (CEng) certification. IEI, in collaboration with Springer, regularly publishes peer-reviewed international journals in five series, namely Series A, Series B, Series C, Series D, and Series E, covering fifteen engineering disciplines.

About Coimbatore Local Centre

IE(I) Coimbatore Local Centre, operating from the PSG College of Technology campus, has been actively serving the engineering fraternity for nearly 60 years. The IE(I), Coimbatore Local Centre has been one of the active centres of The Institution of Engineers (India) which is engaged in successfully translating the objectives and ethics of IE(I) into practice. The Centre was founded in the year of 1965, under the Chairmanship of Dr G R Damodaran, an educationist, the former Vice - Chancellor of Madras University, a philanthropist and also the architect of PSG College of Technology, Coimbatore, who lived for the technology development of the nation.

Presently, IE(I), Coimbatore Local Centre has a strength of more than 3,000 corporate members, more than 6,000 student members, and 22 institutional members. It regularly organizes technical and special lectures in various fields of engineering. Industrial visits are also arranged to promote good technical interaction among the members and industries.

It also observes the international / national events like World Water Day, World Telecommunication and Information Society Day, World Environment Day and Engineers Day and other IE(I) statutory days in a fitting manner by organizing technical talks on the selected themes with experts in field. One Day Seminar / Workshop, All India Seminar / Workshop funded by the IE(I), Headquarters, Kolkata are also being organized under different engineering divisions in association with various institutions. A few National Conventions of IE(I) are also organized by the Centre. The audited annual accounts, quarterly and annual reports of the Centre are being properly submitted to the IE(I), Headquarters on time. The monthly committee meetings and Annual General Meeting (AGM) are being held in an organized manner.

The Centre served as an important examination centre in the region for many years conducting AMIE section A & B examinations during summer and winter sessions. The Centre has many students' chapters which are active under different engineering divisions in various institutions in and around Coimbatore.

Every year, outstanding engineers and young achievers are honored by the Coimbatore Local Centre. Student scholarships are also distributed from various endowment contributions. The Centre houses a library with about 1900 text and reference books for the benefit of members. Guidance classes are also being conducted to support associate and student members. Golden jubilee of the IE(I), Coimbatore Local Centre was celebrated in the year 2015 - 2016 with the inauguration of Centre's own building, "PSG - GRD Bhavan".

Rotary eClub of Coimbatore Changemakers honored IE(I), Coimbatore Local Centre with **"Changemaker of Coimbatore Award for the year 2022-2023"**. Recently, the Institution of Engineers (India), Coimbatore Local Centre, has been adjudged the **"Best Local Centre" for its all-round performance during the year 2024-2025**. This recognition was also received earlier for the years 2019-2020, 2022- 2023 and 2023-2024.

About the College

KPR Institute of Engineering and Technology (KPRIET), established in 2009, is accredited by NBA (Civil, CSE, ECE, EEE, Mechanical, BME & Chemical). The institution is promoted by KPR Group, a renowned business house in India with interests in Textiles, Wind Energy, and Sugar. The main focus is to offer quality education for the younger generation to strengthen our nation in the field of Engineering and Technology. The institution holds certifications for ISO 9001:2015 and ISO 14001:2015 standards, approved by AICTE, and is an autonomous institution accredited by NAAC with an 'A' grade. The institution affirms a high standard of education, welfare and good management practice. It is a DSIR certified Scientific and Industrial Research Organization (SIRO). The institute is accolade as one of the top colleges under the 150th band in NIRF ranking during the year 2024-2025. The institute is ranked (101 - 150) band under the engineering category, (151 - 200) band in overall, and (51 - 100) band in Innovation in the National Institutional Ranking Framework (NIRF) 2025.

The institution offers 13 UG programmes in B.E./B.Tech - Artificial Intelligence and Data Science, Biomedical Engineering, Chemical Engineering, Civil Engineering, Information Technology, Computer Science and Engineering, Computer Science and Business Systems, Computer Science and Engineering (AI&ML), Computer Science and Engineering (Cyber Security), Electrical & Electronics Engineering, Electronics & Communication Engineering, Information Technology, Mechanical Engineering, Mechatronics Engineering and 4 PG programmes in M.E. - Computer Science and Engineering, CAD/CAM, VLSI Design, and Structural Engineering and 6 departments are recognized as research centres by Anna University, Chennai. KPRIET has signed various MOUs with many of the world's best educational and research organizations, and has also built partnership with many corporate bodies and industries. The vision is to become a premier Engineering and Technological Institute of Academic excellence through its commitment in offering value-based education. It strives to improve the technical, intellectual and professional skills of the students to meet the diverse needs and challenges of society, the nation, and the world at large.

About the Department

The Department of Chemical Engineering was established in 2018 with an initial intake of 60 students, has grown to over 262 undergraduate students and is committed to academic excellence through quality education, research, and innovation. Recognized as a Research Centre by Anna University, the department is supported by experienced faculty and modern facilities that foster industry-ready graduates and impactful research. We continue to nurture future chemical engineers equipped to address global challenges through knowledge, creativity, and sustainable practices.

About the Theme

The proposed one-day seminar on "From Emissions to Resources: CO₂ Capture, Storage and Utilization (CCUS)" aims to introduce participants to an important emerging technology for mitigating climate change. With increasing global efforts to reduce greenhouse gas emissions, CCUS provides effective solutions by capturing carbon dioxide from major sources and either storing it safely or converting it into useful products. The seminar covers key aspects of CO₂ management, including emission sources and

environmental impacts, advanced capture technologies such as pre-combustion, post-combustion and oxy-fuel processes, safe storage options like geological and mineral sequestration, and industrial applications of CO₂ utilization in fuels, chemicals and construction materials.

The seminar will be delivered through four technical sessions consisting of expert lectures and interactive discussions. It is intended for students, researchers and professionals interested in sustainable technologies and climate change mitigation. In addition, the program will highlight recent research trends, case studies, and policy perspectives related to CCUS implementation at national and global levels. The seminar will also provide a platform for knowledge exchange, networking, and fostering collaboration among academia, industry, and research organizations working towards a low-carbon future.

Sub-Themes

- ❖ Climate Change and CO₂ Management Strategies
- ❖ Major Sources of Carbon Dioxide Emissions
- ❖ Carbon Capture Technologies and Processes
- ❖ Advanced Materials for CO₂ Capture
- ❖ CO₂ Storage and Sequestration Methods
- ❖ CO₂ Utilization in Industrial Applications
- ❖ Future Trends and Challenges in CCUS

Resource Persons

Expert members from various leading academic institutions, research laboratories and Industries.

Eligibility

IEI Members, UG and PG Students, Research Scholars, Faculty Members and Practicing Engineers.

How to Apply

Registration for the seminar can be made by sending the duly filled application through email or by filling the registration link on or before **31.07.2026**.

Registration Link: <https://forms.gle/5jozLJnHJPA4fFQR8>

Registration Fee (including GST)

	₹
IEI Corporate Members	236.00
UG / PG / Research Scholar	236.00
Faculty Members	354.00
Participants from Industry	472.00

Payment (Online Transfer Only)

Name	The Institution of Engineers (India) Coimbatore Local Centre
Bank	State Bank of India
Branch	Peelamedu Branch, Coimbatore
Account No.	10141435551
IFSC Code	SBIN0007231
GST No.	33AAATT3439Q6ZW

Note

- ✓ **Pre-registration is mandatory**
- ✓ **Spot registration is strictly not permitted (No cash payment)**
- ✓ **Limited participants only**
- ✓ **No TA / DA will be paid**
- ✓ **Kindly bring your College / industry identity card**
- ✓ **Registration through email and registration link is compulsory**
- ✓ **Registration fee includes: refreshments, lunch & participation certificate**

Chief Patrons:

Dr K P Ramasamy
Chairman, KPR Institute of Engineering and Technology, Coimbatore

Ms Gayathri Anandakrishnan
Secretary, KPR Institute of Engineering and Technology, Coimbatore

Dr M Akila
Chief Executive Officer, KPR Institute of Engineering and Technology, Coimbatore

Patron:

Dr R Devi Priya
Principal, KPR Institute of Engineering and Technology, Coimbatore

Organizing Committee

Chairman **Dr M Senthilkumar**
Chairman, IEI Coimbatore Local Centre

Secretary **Dr J Pradeep Kumar**
Honorary Secretary, IEI Coimbatore Local Centre

Convener **Ms L Dharani**
Assistant Professor II
Department of Chemical Engineering
KPR Institute of Engineering and Technology, Coimbatore

Members

Dr J Krishnamoorthi, Immediate Past Chairman
Dr G Madhan Mohan, Immediate Past Honorary Secretary
Dr M Senthil Kumar (AS), Committee Member, IEI CLC
Dr T Senthilkumar (AG), Committee Member, IEI CLC
Dr S Balasubramanian, Committee Member, IEI CLC & Professor/CH/KPRIET
Dr P Senthilkumar (TX), Committee Member, IEI CLC
Dr G Surendran, Associate Professor & Head (i/c)/CH/KPRIET

CONTACT

Dr J Pradeep Kumar
Honorary Secretary
The Institution of Engineers (India)
Coimbatore Local Centre
PSG College of Technology Campus
Peelamedu, Coimbatore - 641004
Phone: 0422 - 2580733 / Office: 80566 52764
Email: coimbatorelc@ieindia.org
ieicoimbatore@gmail.com

Ms L Dharani
Assistant Professor II
Department of Chemical Engineering
KPR Institute of Engineering and Technology
Coimbatore - 641407
Email: dharani.l@kpriet.ac.in
Mobile: 9566633660

One Day Seminar

on

“From Emissions to Resources: CO₂ Capture, Storage and Utilization”

Date: 04.08.2026

Venue: Veena Hall

KPR Institute of Engineering and Technology, Coimbatore - 641407

Registration Form

Name (in Block Letters) :

Designation :

Organization / Institution :

IEI Membership No. & Division :

Address for Communication :

.....

Mobile Number :

Email ID :

Registration Fee Paid (Rs.) :

Transaction Details :

UPI ID No / NEFT UTR No. :

Transaction Date & Time :

Date:

.....

Signature