

Information Brochure

The Institution of Engineers (India)

A Century of Service to the Nation

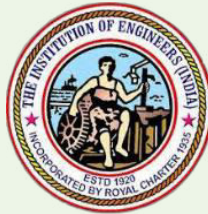
One Day Seminar

on

*“Innovative Solutions for Waste Management:
Harnessing Modern Technologies to Tackle Trash”*

04.05.2026

Organized by



The Institution of Engineers (India)

Coimbatore Local Centre

Under the aegis of

Civil Engineering Division Board, IEI

in association with



Department of Civil Engineering
Akshaya College of Engineering and Technology
(An Autonomous Institution)
Coimbatore

Venue: Conference Hall 2
Akshaya College of Engineering and Technology
Coimbatore - 642109

[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

Akshaya College of Engineering and Technology (ACET) was established in the year 2009 and is approved by AICTE. Being an autonomous institution, its main focus is to offer quality education to the younger generation and to strengthen the nation in the field of Engineering and Technology. The institution has been accredited by NAAC, and to further reinforce its commitment to maintaining high educational standards, the Civil, CSE, and ECE departments have been accredited by NBA. The institution offers 8 undergraduate programs, including B.E. in Civil Engineering, Computer Science and Engineering, Electrical and Electronics Engineering, Electronics and Communication Engineering, Mechanical Engineering, Mechatronics Engineering, and B.Tech programs in Artificial Intelligence and Data Science, and Computer Science and Business Systems, along with Ph.D. programs in Electronics and Communication Engineering and Mechatronics Engineering. Apart from academics, the institution has participated in various rankings, including Sustainability Rankings, STEM Rankings, and Higher Education (HE) Rankings. The institution has established several Centres of Excellence, namely: Texas Instruments, Tessolve, iHUB Robotics, and the R&D Centre - Akshaya SmartDV. ACET is a professional member of organizations such as IEEE, ISTE, IE(I), CSI, SAE, etc. Recently, approval has been obtained to start the IEI Students' Chapter for all 8 departments, with 410 students enrolled as IEI Student Members in March 2026. The vision of the institution is to become a premier engineering and technological institute of academic excellence through its commitment to offering value-based education and to develop students as skilled professionals and successful entrepreneurs, capable of meeting the diverse challenges of society, the nation, and the world at large.

About the Department

The Department of Civil Engineering was established in the year 2010, offers an undergraduate programme in Civil Engineering with a student intake of 30. In recognition of our dedication to academic excellence, the department received NBA accreditation in 2024. The department is staffed with qualified faculty and supporting staff specializing in Structural Engineering, Infrastructure, Water Resource Engineering and Environmental Engineering and Management. The Department aims to equip students with skills in Planning, Analysis, Design, Construction Methods and Maintenance of various structures. The department boasts modern equipment in laboratories such as Advanced Structural Engineering, Strength of Materials, Hydraulic Engineering, Survey, Environmental Engineering, Soil Mechanics, Concrete and Highway Engineering and Computer-Aided Building Drawing, facilitating hands-on learning and research. Our alumni student are working in sectors in different roles as structural engineers, site engineers, project managers, environmental planners, urban planners at leading firms both at private and government bodies including PWD, NHAI and TNHB. 45 students have recently enrolled as IEI Student Membership. Additionally, 2 faculty members have newly obtained IEI membership, bringing the total faculty membership to 5.

About the Theme

Irrespective of the sources, either agricultural or industrial, India generates huge quantity of solid wastes everyday due to various reasons. Based on the data available from 2023, approximately 62 Million Tonnes of municipal solid wastes are generated which is quite high and if the trend continues, it would further increase to 260 Million Tonnes in 2030, as per Central Pollution Control Board (CPCB). With constant increase in population, the generation of solid wastes becomes so complex due to poor management of wastes such as: Open dumping (reasons such as no sanitation workers collecting the wastes, difficulty in identifying the nearest dust bins), Burying of Wastes (People burn the wastes instead of dumping, conservancy workers burn unsegregated wastes because of the difficulty in managing wastes), Delayed Removal from the collection points (non-availability of sanitation workers, absence of transport facilities), Landfill burring (accidental and man-made), Failure of bio-mining facilities (non-maintenance and repair), etc., Since the technology is improving at a rapid rate, it is wise to incorporate the technology in the wastes sector to overcome a very big challenge and if neglected, the impacts of human health will get worsen. As all the countries marching towards the targets and attainment of Sustainable Development Goals (SDGs), India need to present itself at the highest place. It is pertinent to utilize modern technologies such as Smart Waste Bins (Sensor based bins which monitors the fills levels in real-time), Pneumatic Waste Collection Methods (Piping system to transport the solid wastes especially in urban areas), Recycling Robots (AI based sorting of wastes utilizing robots which can segregate different types of wastes), Software Based Solutions (Stakeholder based platforms for

collection schedules, pickups and disposal technologies). These technologies will definitely have the efficiency to transform solid waste management into very effective, efficient and environment friendly process.

Sub - Themes

- Smart Waste Collection and Sorting Systems
- Blockchain for Waste Management Transparency
- Artificial Intelligence for Waste Stream Optimization
- Consumer Behavior and Waste Reduction Apps
- Biodegradable Materials and Eco-friendly Packaging
- Circular Economy and Closed-Loop Systems
- Waste-to-Energy Technologies.

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 **01.05.2026**

Registration Link: <https://forms.gle/nEzWFyzasDWcU6yh8>

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 of the Beneficiary	The Institution of Engineers (India) Coimbatore Local Centre
Bank Name	State Bank of India
Branch Name	Peelamedu Branch
SB Account Number	1014 1435 551
IFSC Code	SBIN0007231
GST Number	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: **Thiru A Nagarasan**
Managing Trustee, Akshaya Educational and Charitable Trust, Coimbatore

Patrons: **Thiru T Subramaniyan**
Chairman, Akshaya Educational and Charitable Trust, Coimbatore

Thiru K Pavithran
Secretary, Akshaya Educational and Charitable Trust, Coimbatore

Thiru P Rangaraj
Trustee, Akshaya Educational and Charitable Trust, Coimbatore

Dr N Suguna
Joint Director, Akshaya Educational and Charitable Trust, Coimbatore

Co Patrons: **Dr R Joseph Xavier**
Advisor, Akshaya College of Engineering and Technology, Coimbatore

Dr S Kapilan
CEO, Akshaya College of Engineering and Technology, Coimbatore

Dr R Ravindran
Principal, Akshaya College of Engineering and Technology, Coimbatore

Dr K Sivasankari
Vice Principal, Akshaya College 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: **Dr R Premsudha**
Professor and Head, Department of Civil Engineering
Akshaya College of Engineering and Technology, Coimbatore

Members: **Dr T Senthilkumar**, Committee Member, IEI Coimbatore Local Centre
Dr M Kaarthik, Committee Member, IEI Coimbatore Local Centre
Lt A K Dr Priya, Committee Member, IEI Coimbatore Local Centre
Dr T Ramesh, Committee Member, IEI Coimbatore Local Centre
Dr R Vignesh, Associate Professor, Department of Civil Engg, ACET
Ms D Kalaimathi, Assistant Professor, Department of Civil Engg, ACET

Contact

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*“Innovative Solutions for Waste Management:
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**Venue: Conference Hall 2
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Coimbatore - 642109**

Registration Form

Name (in Block Letters) :

Designation :

Organization / Institution :

IEI Membership No. & Division :

Address for Communication :

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Mobile Number :

Email ID :

Registration Fee Paid (Rs.) :

Transaction Details :

UPI ID No / NEFT UTR No. :

Transaction Date & Time :

Date:

.....
Signature