

Information Brochure

The Institution of Engineers (India)

"A Century of Service to the Nation"

One Day Seminar

on

***"Urban Flood Management:
Strategies for Resilient Cities"***

Date: 25.10.2025

Organized by



The Institution of Engineers (India)

Coimbatore Local Centre

under the aegis of

Civil Engineering Divisional Board, IEI

in association with



Department of Civil Engineering

PSG Institute of Technology and Applied Research

Coimbatore

Venue: E5 (Civil) Seminar Hall

PSG Institute of Technology and Applied Research

Neelambur, Coimbatore - 641062

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 lakh. Established in 1920, with its headquarter Kolkata, IEI has served the engineering fraternity close to a century. During this period, 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 125 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, postgraduate students and PhD Research Scholars of Engineering Institutions and Universities. IEI has been recognized as Scientific and Industrial Research Organization (SIRO) by the Ministry of Science & Technology, Government of India and besides conducting its' own research, provides Grant-in-Aid to UG / PG / PhD students of Engineering institutes 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. IEI in collaboration with Springer regularly publishes peer-reviewed international journal in five series, namely, Series A, Series B, Series C, Series D and Series E covering fifteen engineering disciplines.

About Coimbatore Local Centre:

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, philanthropist and the architect of PSG College of Technology, Coimbatore who lived for the technology development of the Nation. For more than five decades, the IEI Coimbatore Local Centre (CLC) has contributed a lot to the engineering community and to the society as a whole. The Institution of Engineers (India), Coimbatore Local Centre has been adjudged the **“Best Local Centre” based on all-round performance during the year 2023 - 2024** and has also received the **Best Local Centre Award in 2019 - 2020 and 2022 - 2023**.

About the College:

PSG Institute of Technology and Applied Research (PSG iTech), the latest initiative of PSG and Sons' Charities, aims to realize its objective of enhancing youth empowerment through technical education. This institute caters to various engineering disciplines, focusing on learning, industry engagement of students, innovative and inclusive pedagogy, and ethics. PSG iTech aims at effective transfer of knowledge, pursuit of truth and moulding the students to become ideal citizens of the country.

Within a short span of time, the Institution has emerged to be one of the most preferred institutions for the engineering aspirants in Tamil Nadu. PSG iTech, started in the year 2014, is an AICTE approved institution and affiliated to Anna University, Chennai. This institution is equipped with various Centres of Excellence such as Innovation Centre, NI Graphical System Design Centre, Keysight RF circuit & System Design Lab, Festo Lab, NEXMOO Mobile & IoT Centre of Excellence.

About the Department

The Department of Civil Engineering at PSG iTech is endowed with cutting edge laboratories in the areas of Construction Engineering, Survey and Geo-informatics, Material Evaluation, Water & Resources Engineering and Transportation Engineering to impart high quality education and is committed towards offering value-based education to students. The Department offers consultancies in the field of Geo-technical, Structural, Environmental, Transport, Geo-spatial and Infrastructural Engineering. Qualified and experienced members of faculty possessing Master's and Doctorate degree in diverse specializations are involved in Teaching, Research and Consultancy activities. The department envisages various student chapters including American concrete Institute (ACI), ISTE, IEI, ACCE (I) for the benefit of professional career of students. The department also encourages the students to involve in research activities providing hands-on training in the respective fields.

About the Theme

Urban flooding is a critical challenge affecting cities worldwide, often caused by rapid urbanization, poor drainage infrastructure, climate change, and extreme weather events. With the increasing frequency of heavy rainfall and rising sea levels, many urban areas are experiencing severe flooding, leading to economic losses, displacement of communities, damage to infrastructure, and public health risks. Managing urban floods requires a comprehensive approach that integrates sustainable urban planning, advanced engineering solutions, and proactive policy measures. This seminar will explore various aspects of urban flood management, including the causes of urban flooding, the impact on communities and infrastructure, and innovative solutions to mitigate risks. Discussions will cover modern drainage systems, nature-based solutions like green roofs, permeable pavements, and urban wetlands, as well as the role of smart technologies such as real-time flood monitoring and predictive analytics. Additionally, the seminar will highlight case studies from cities that have successfully implemented flood management strategies, providing valuable insights into best practices and challenges. By addressing the issue through a multidisciplinary lens, this seminar will contribute to the ongoing efforts to build flood-resilient urban environments, ensuring safer and more sustainable cities for the future.

Sub Themes

- ❖ Understanding Urban Flood Risks and Vulnerabilities
- ❖ Smart Technologies and Innovations in Flood Management
- ❖ Policy, Governance, and Community Engagement in Flood Management
- ❖ Climate Change and Its Impact on Urban Flooding
- ❖ Urban Planning and Land Use Management for Flood Prevention
- ❖ Interdisciplinary Approaches to Flood Management

Resource Persons

Expert members from various leading academic institutions 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 and by filling the registration link on or before **18.10.2025**.

Registration Link: <https://forms.gle/T2N8meZJjQvPpH4S9>

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

All payments are to be made through crossed Demand Draft / at par cheque, drawn in favour of **“The Institution of Engineers (India), Coimbatore Local Centre”** payable at **Coimbatore** or online payment.

For Online Transfer

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.**
- ❖ **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 Patron: **Shri L Gopalakrishnan**
Managing Trustee, PSG & Sons' Charities, Coimbatore

Senior Patron: **Dr P V Mohanram**
Secretary, PSG Institute of Technology and Applied Research, Coimbatore

Patron: **Dr N Saravanakumar**
Principal, PSG Institute of Technology and Applied Research, Coimbatore

Organizing Committee

Chairman: **Dr J Krishnamoorthi**
Chairman, IEI Coimbatore Local Centre

Secretary: **Dr G Madhan Mohan**
Honorary Secretary, IEI Coimbatore Local Centre

Convenors: **Dr P Muthupriya**
Professor & Head
Department of Civil Engineering
PSG Institute of Technology and Applied Research, Coimbatore

Dr V Navin Ganesh
Assistant Professor (Selection Grade)
Department of Civil Engineering
PSG Institute of Technology and Applied Research, Coimbatore

Members: **Dr K Akil**
Committee Member, IEI Coimbatore Local Centre

Dr A K Priya
Committee Member, IEI Coimbatore Local Centre

Dr T Ramesh
Committee Member, IEI Coimbatore Local Centre

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IEI Institutional Coordinator &
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Registration Form

One Day Seminar
on

***“Urban Flood Management:
Strategies for Resilient Cities”***

Date: 25.10.2025

Venue: E5 (Civil) Seminar Hall
PSG Institute of Technology and Applied Research, Coimbatore - 641062

Name: (Block Letters).....

Designation:.....

Organization / Institution:.....

IEI Membership Number & Division.....

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Address for Communication.....

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Mobile Number:..... Email:.....

I / We enclose a DD / CHEQUE / NEFT details for Rs..... Date:.....

Transaction ID Number.....

Dated.....

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Signature