First Information Brochure

The Institution of Engineers (India)

A Century of Service to the Nation

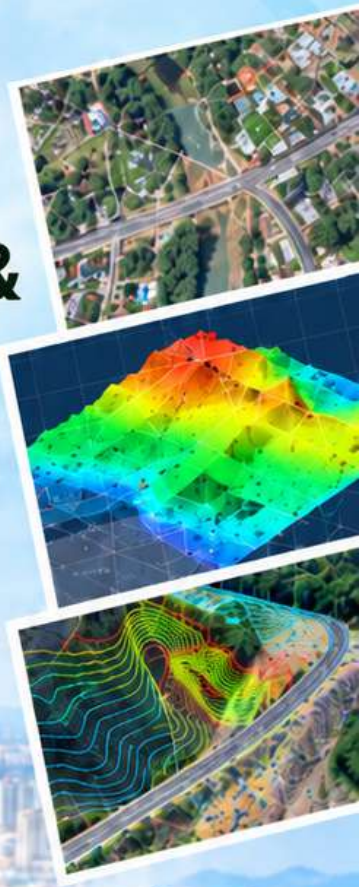
Tamil Nadu State Centre

One Day Workshop

On

Drone Surveying, Mapping & Photogrammetry for Civil Engineering





Date: November 20, 2026

Organised by

THE INSTITUTION OF ENGINEERS (INDIA) ™

INCORPORATED BY ROYAL CHARTER 1935

TAMIL NADU STATE CENTRE

Under the Aegis of

Civil Engineering Division, IE(I)

In association with

COIMBATORE INSTITUTE OF TECHNOLOGY

DEPARTMENT OF CIVIL ENGINEERING
COIMBATORE INSTITUTE OF TECHNOLOGY
Coimbatore



Venue

IT Block, CIT, Coimbatore



ABOUT THE INSTITUTION OF ENGINEERS (INDIA)

The Institution of Engineers (India) or IE(I) is the largest multidisciplinary professional body that encompasses 15 engineering disciplines and gives engineers a global platform for sharing professional interest. IE(I) has membership strength of above 2.5 lakhs. Established in 1920, with its headquarter Kolkata, IE(I) has served the engineering fraternity close to a century. During this period of time, IE (I) has been inextricably linked with the history of modern-day engineering.

In 1935, IE (I) 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, IE (I) has bilateral agreements with about 34 international bodies and membership of another 8 international bodies of the developed nations across the globe.

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

IE (I) has been recognized as Scientific and Industrial Research Organization (SIRO) by the Ministry of Science & Technology, Government of India and provides Grant-in-Aid to UG/PG/PhD students of Engineering institutes and Universities.

IE(I) 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.

IE(I) in collaboration with Springer Nature India Pvt. Ltd regularly publishes SCOPUS indexed, peer-reviewed international journal in five series, namely, Series A, Series B, Series C, Series D and Series E covering fifteen engineering disciplines.

ABOUT TAMIL NADU STATE CENTRE

The Tamil Nadu State Centre was established originally as the Southern India Centre at Chennai on 22nd December 1922. The Southern Region covered the erstwhile Madras, Andhra, Mysore, Hyderabad and Travancore – Cochin. As more centres were opened in the Southern Region, it was renamed as Madras Centre and later became the Tamilnadu State Centre. Tamilnadu State Centre has a special significance in the formation of the Institution; for the IE (I) was registered in 1920 in the then Madras Province at Chennai.





Madras Province at Chennai. The registered office was subsequently moved to Calcutta the Head Quarters of IE (I). The Chief Guest for the Inaugural Function of the Annual General Session of IE (I) Madras Centre in 1959 was Thiru K Kamaraj, Chief Minister of Tamil Nadu.

The Tamil Nadu State Centre is the most active centre in the country and has been serving the society in general and the engineering community in particular with the said objectives and plays a significant role in dissemination and proliferation of knowledge amongst its members. With a modest membership to start with, the centre has brought into its fold a large section of fraternity with a membership strength of more than 30000 Corporate Members and more than 80000 Non – Corporate Members widening its horizon of technical activities. The centre has established sixteen Local Centres at Neyveli, Madurai, Coimbatore, Tiruchirappalli, Salem, Kalpakkam, Ranipet, Tuticorin, Hosur, Kanyakumari, Tirunelveli, Thiruvallur, Kanchepuram, Thanjavur, Erode and Kattankulathur to serve more professional groups. The major activities of the Division include: Annual National Conventions, Annual & Semi-Annual Paper Meetings, Publication of Journals, Workshops /Seminars and Symposia and Prizes and Awards.

ABOUT COIMBATORE INSTITUTE OF TECHNOLOGY

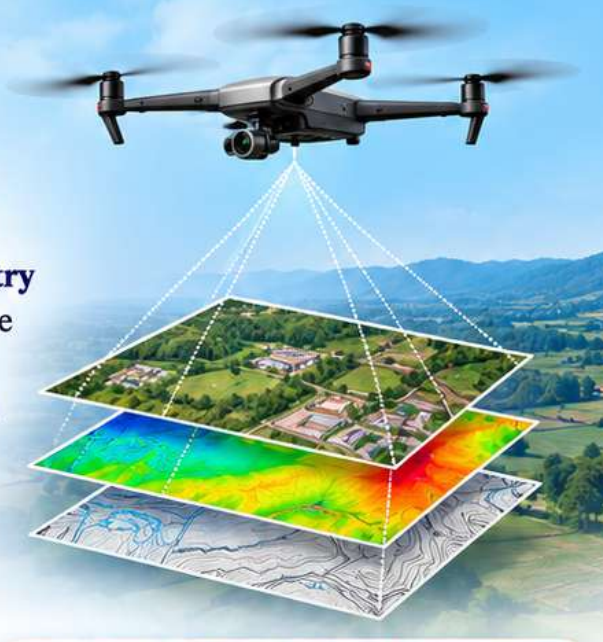
Coimbatore Institute of Technology was established in 1956 with a vision of blending out young minds, to cater to the demands of the ultra-globalized world. It aspires on the mission to impart high quality education to students and mould them into world-class Engineers. CIT aims to venture qualitative education which enables an individual to blossom into a holistic engineer. The institute was granted autonomous status in the year 1987 and is accredited by the National Board of Accreditation. CIT offers 8 Undergraduate Programmes, 4 M.Sc. (Integrated Courses) and Ph.D. Research Programmes.

The Department of Civil Engineering was started in the year 1956. This was followed by Structural Engineering in 1969 and a Ph.D. Programme in Civil Engineering in 1978.

The department has a team of highly experienced faculty members with rich academic and industrial experience in various frontier engineering and technology areas. The faculty and students are dedicated to addressing current industry needs and continuously improving their expertise in Civil Engineering. They excel in specialized areas such as Structural Analysis & Design, Structural Optimization, Concrete Technology, Steel Structures, Environmental Engineering, Construction Management, Transportation Engineering, Earthquake Engineering, Remote Sensing, Impact Assessment, and Prestressed Concrete Structures.



ABOUT THE WORKSHOP



This workshop introduces the fundamentals and practical applications of **Drone Surveying, Mapping and Photogrammetry** in Civil Engineering. It provides a hands-on exposure to the use of Unmanned Aerial Vehicles (UAVs) for capturing high-resolution spatial data, creating accurate maps, 3D models and terrain information for various civil engineering projects.

OBJECTIVES

- To familiarize participants with the basics of drone technology and aerial Surveying.
- To demonstrate data capture, processing and map generation using photogrammetry software.
- To highlight the applications of drone-based mapping in planning, design, construction and monitoring of civil engineering projects.



KEY TOPICS

- Introduction to Drones (UAVs) and Surveying Principles
- Basics of Photogrammetry
- Drone Data Acquisition – Flight Planning and Field Demonstration
- Data Processing and Map Generation (Orthomosaic, DSM/DTM, 3D Model)
- Applications in Civil Engineering (Site Survey, Volumetric Estimation, Progress Monitoring, Infrastructure Planning)

LEARNING OUTCOME

Participants will be able to:

- Understand the workflow of drone-based surveying and mapping.
- Acquire and process real-world aerial data.
- Generate useful outputs such as maps, terrain models and 3D representation.
- Appreciate the advantages, limitations and future scope of drone technology in civil engineering.

NATIONAL ADVISORY COMMITTEE

Chairman	Er. Manish Mahendra Kothari, FIE, President, IE(I)
Co-Chairman	Er. P. Surya Prakash, FIE, Chairman, CVDB, IE(I)
Convener	Er. M. Kaarthik, MIE, Committee Member, IE(I)
Co-Convener	Dr. C. Shankar, AP, CIT

MEMBERS

Er. V. B. Singh, FIE, Immediate Past President, IE(I)

Dr. G. Ranganath, FIE, Past President, IE(I)

Er. Sajjan Singh Yadav, FIE, Vice President, IE(I)

Er. Lochan Kumar Adhikari, FIE, Vice President, IE(I)

Prof. (Dr.) Girish Shrikisan Mundada, FIE, Chairman, CATE, IE(I)

Er. Austin Socorro Rodrigues, FIE, Council Member, CVDB, IE(I)

Er. Awadhesh Kumar, FIE, Council Member, CVDB, IE(I)

Er. Babu K. S., FIE, Council Member, CVDB, IE(I)

Er. Balwinder Singh, FIE, Council Member, CVDB, IE(I)

Er. Constantine Kharmudai, FIE, Council Member, CVDB, IE(I)

Er. Gandhi Jayesh Ajitbhai, FIE, Council Member, CVDB, IE(I)

Er. Inderdeep Singh, FIE, Council Member, CVDB, IE(I)

Er. Jaswant Singh, FIE, Council Member, CVDB, IE(I)

Er. K. Soundararajan, FIE, Council Member, CVDB, IE(I)

Er. K. Vijaya Kumar, FIE, Council Member, CVDB, IE(I)

Er. M. Nagaraj, FIE, Council Member, CVDB, IE(I)

Lt. Col. (Dr.) Naresh Pal Singh Bana, FIE, Council Member, CVDB, IE(I)

Er. Patel Maheshbhai Devakaranbhai, FIE, Council Member, CVDB, IE(I)

Prof. Pravat Kumar Parhi, FIE, Council Member, CVDB, IE(I)

Er. Rajesh Bisaria, FIE, Council Member, CVDB, IE(I)

Er. Rakesh Kumar Rathore, FIE, Council Member, CVDB, IE(I)

Prof. (Dr.) Ramana Banothu, FIE, Council Member, CVDB, IE(I)

Dr. Sandeep Sharad Shikhdekar, FIE, Council Member, CVDB, IE(I)

Er. Sobam Tampha Singh, FIE, Council Member, CVDB, IE(I)

Er. Sukhvir Singh Mundi, FIE, Council Member, CVDB, IE(I)

Er. Suresh Babu H. S., FIE, Council Member, CVDB, IE(I)

Dr. V. Karthikeyan, FIE, Council Member, IE(I) TNSC

Dr. S. Dharmalingam, FIE, Council Member, IE(I)

Er. A. Sekar, FIE, Council Member, IE(I)

Dr. S. Karuppasamy, FIE, Council Member, IE(I)

Dr. (MS). K. Padmini, FIE, Council Member, IE(I)

Prof. Dr. D. Mohanraj, FIE, Council Member, IE(I)

Er. Velpula Raj Kumar, FIE, Council Member, IE(I)

Dr. S. Karthikeyan, FIE, Chairman, Kancheepuram Local Centre

Er. S. Loganathan, FIE, Chairman, Salem Local Centre

Er. R. Narayanasamy, FIE, Chairman, Madurai Local Centre

Dr. M. Senthilkumar, FIE, Chairman, Coimbatore Local Centre

Dr. Kevin Ark Kumar, FIE, Chairman, Trichy Local Centre

Dr. Suresh Chandra Suman, FIE, Chairman, Neyveli Local Centre

PATRONS

Mr. R. Santosh
Managing Trustee / Chairman, CIT Institutions

Mr. Vishnu Nischal Rajkumar
Director Admissions, CIT Institutions

ORGANIZING CHAIR

Dr. A. Rajeswari
Principal, Coimbatore Institute of Technology

Dr. N. R. Alamelu
Chief Academic Officer, CIT Institutions

Dr. R. Sathyanarayan Sridar
Professor & Head, Department of Civil Engineering, CIT

ORGANIZING COMMITTEE

Chairman	Prof. Dr. D. Elango, FIE, Chairman, IE(I) TNSC
Secretary	Dr. J. Balamurugan, FIE, Honorary Secretary, IE(I) TNSC
Members	Dr. G. Madhusudanan, FIE, Joint Secretary, IE(I) TNSC Dr. V. S. Sriraja Balaguru, FIE, Joint Secretary, IE(I) TNSC

MEMBERS

- Er. N. Senthil Kumar, FIE, Committee Member, IE(I) TNSC
- Dr. M. Murugan, MIE, Committee Member, IE(I) TNSC
- Prof. (Dr.) R. Nallusamy, FIE, Committee Member, IE(I) TNSC
- Er. P. Dhivya, MIE, Committee Member, IE(I) TNSC
- Er. S. Natarajan, FIE, Committee Member, IE(I) TNSC
- Er. M. Saravanan, MIE, Committee Member, IE(I) TNSC
- Er. D. Kumar, FIE, Committee Member, IE(I) TNSC
- Er. M. Shanmuga Sundaram, FIE, Committee Member, IE(I) TNSC
- Er. G. Jayarajan, FIE, Committee Member, IE(I) TNSC
- Prof. (Dr.) S. Ramesh, FIE, Committee Member, IE(I) TNSC
- Dr. A. Deiveegan, MIE, Committee Member, IE(I) TNSC
- Prof. (Dr.) M. Balasubramanian, FIE, Committee Member, IE(I) TNSC
- Dr. K. Vijayaraja, MIE, Committee Member, IE(I) TNSC
- Er. R. Muthusamy, FIE, Committee Member, IE(I) TNSC
- Er. R. Praveenkumar, MIE, Committee Member, IE(I) TNSC
- Dr. P. Balamadeswaran, MIE, Committee Member, IE(I) TNSC
- Er. G. Balakrishnan, AMIE, Committee Member, IE(I) TNSC

TECHNICAL COMMITTEE

Chairman	:	**Dr. R. Sathyanarayan Sridhar** Professor & Head, Department of Civil Engineering, CIT
Co-Chairmans	:	**Dr. C. Shankar** Assistant Professor, Department of Civil Engineering, CIT **Mr. D. Arul** Assistant Professor, Department of Civil Engineering, CIT

CALL FOR PAPERS

All interested participants are requested to contribute technical/research papers and case studies detailing concepts, innovations, ideas or practical experiences for oral presentation. Each paper should begin with a synopsis of about 200 words and preferably be within 3000 words, excluding figures, tables and references. Papers can be sent to **ieitamilnadu@gmail.com**.

IMPORTANT DATES

Submission of Abstract	:	**10th November 2026**
Communication of Acceptance of Abstract	:	**12th November 2026**
Submission of Full Length Paper	:	**15th November 2026**

CONTACT DETAILS

Dr. C. Shankar,
Associate Professor,
Department of Civil Engineering
Coimbatore Institute of Technology,
Coimbatore

Ph No: 9952444311 / 9962950333

Email: shankar.c@cit.edu.in / ieitamilnadu@gmail.com

REGISTRATION FEE

MEMBER / DELEGATE REGISTRATION FEE		SPONSORS The Sponsors are entitled for free delegates, one full page advertisement, and a logo display in backdrop.	
IE(I) MEMBERS	INR 354/-	Platinum Sponsor	INR 25,000/- 6 Free Delegates & Advt. – Outside Back Cover Page (Colour)
Non IE(I) Members	INR 590/-	Gold Sponsor	INR 15,000/- 4 Free Delegates & Advt. – Inside Front & Back Cover Page (Colour)
Research Scholars	INR 472/-	Silver Sponsor	INR 10,000/- 3 Free Delegates & Advt. – Inside Full Page (Colour)
Students Fee	INR 236/-	Bronze Sponsor	INR 5,000/- 2 Free Delegates & Advt. – Inside Half Page (Colour)
Including GST 18%		GST 18% Applicable extra	

- *Registration fee includes Tea & Snacks during Seminar and a soft copy of the Souvenir/Technical Proceeding.*

REGISTRATION & PAYMENTS

- All payments are to be made through crossed Demand Draft / Cheque / NEFT / Online Net Banking Transfer in favour of **"The Institution of Engineers (India), Tamil Nadu State Centre".**
- In case of NEFT / Online Net Banking transfer please mention the following:

Beneficiary Name	The Institution of Engineers (India), Tamil Nadu State Centre
PAN No.	AAATT3439Q
GST No.	33AAATT3439Q1Z1
Bank	State Bank of India, PWD Complex, Chepauk, Chennai - 600 005
Account No.	30978808105
IFSC Code	SBIN0006489

YONO SBI MERCHANT
SBI PAYMENTS

The Institution of Engineers (India)

A Century of Service to the Nation

Tamil Nadu State Centre

One Day Workshop

On

Drone Surveying, Mapping & Photogrammetry for Civil Engineering

Date: November 20, 2026





REGISTRATION FORM

The Honorary Secretary
The Institution of Engineers (India)
Tamil Nadu State Centre
19, Swami Sivananda Salai
Chepauk, Chennai 600 005

Name : ..... Membership No. (if any) : .....

Designation : .....

Organization : .....

Address for Communication : .....

.....

Phone : ..... (Mobile) : .....

Email : .....

DD / Cheque No. : ..... Dated : ..... for Rs. .....

Rupees (in words) : .....

is enclosed towards **Registration Fee**

Transaction ID / UTR No. / Payment Reference No. : .....

Transaction Date : .....

Amount (Rs.) : .....

Date : ..... Signature : .....