

The Institution of Engineers (India)

A Century of Service to the Nation

Two Days All India Seminar
on
**ADVANCED TECHNOLOGIES IN AGRICULTURE FOR
SUSTAINABLE DEVELOPMENT AND ITS APPLICATIONS**

DATE: 1st & 2nd AUGUST, 2024

Organised by



THE INSTITUTION OF ENGINEERS (INDIA)
TAMILNADU STATE CENTRE
Under the Aegis of

Agricultural Engineering Division, IE(I)

In association with



SRM VALLIAMMAI ENGINEERING COLLEGE
(AN AUTONOMOUS INSTITUTION)

APPROVED BY AICTE, AFFILIATED TO ANNA UNIVERSITY, ACCREDITED BY NBA,
'A' GRADE ACCREDITATION BY NAAC AND
ISO9001:2015 CERTIFIED INSTITUTION, SRM NAGAR,
KATTANKULATHUR - 603203, CHENGALPATTU DISTRICT, TAMILNADU.

Venue:

**IE(I) TNSC Auditorium
No 19, Swami Sivananda Salai,
Chepauk, Chennai – 600004**

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 0.8 million. Established in 1920, with its headquarter 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 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 TAMILNADU STATE CENTRE

The Tamilnadu 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 IEI was registered in 1920 in the then Madras Province at Chennai. The registered office was subsequently moved to Calcutta the Head Quarters of IEI. The Chief Guest for the Inaugural Function of the Annual General Session of IEI Madras Centre in 1959 was Thiru K Kamaraj, Chief Minister of Tamilnadu. The Tamilnadu 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 SRM VALLIAMMAI ENGINEERING COLLEGE

SRM Valliammai Engineering College (An Autonomous Institution) was found on 9th September, 1999 by Dr.T.R.Paarivendhar a well-known educationalist, in the name of his mother Tmt. R.Valliammai to impart world class education in Engineering and Technology particularly to develop useful manpower with entrepreneurship qualities for industry. It is a self-financed institution run by Valliammai Society. The College is approved by the AICTE, accredited by the NBA, 'A' Grade Accreditation by NAAC and affiliated to the Anna University. . The institute is offering 11 courses in the Under Graduate (UG) level and 8 courses in the Post Graduate (PG) level. The college has highly qualified, dynamic and dedicated renowned faculty both from academic and industrial background. Besides, the students bring laurels to the college by securing university. It is an ISO 9001:2015 certified institute. 9 departments are recognized as Research Centers by Anna University.

The Department of Agricultural Engineering commenced from the academic year 2019-20 with a vision to mould our students as strong professional Engineers to build our nation. It is established to develop professionals with the knowledge of modern technologies with sustainable farming practices and irrigation. The Department has well equipped laboratories with latest equipment to carry out research activities in the field of micro irrigation techniques. The department has highly qualified and well experienced faculties specialized in areas like Farm Machinery, Food processing, Seed Technology, Plant breeding and Water resources. The department also provides an excellent ambience to the students to groom themselves for an innovative and challenging career in their future.

ABOUT THE THEME

National seminar aims to provide a comprehensive exploration of the cutting-edge developments and emerging trends in the field of agriculture. Agriculture, the backbone of our global economy, is experiencing a transformative evolution driven by technological advancements, sustainability imperatives, and a growing need for resilience in the face of climate change. This write-up delves into the key trends shaping the future of agriculture, ushering in an era of innovation and sustainable practices. Key concepts like food production, diversification, precision agriculture and artificial intelligence in agriculture will be explored. This seminar will bring together experts, practitioners, and enthusiasts to foster knowledge exchange, discussions, and insights on how these

trends are improving agriculture. It also promises to be an enriching experience for all participants, providing a platform to explore into the upcoming scenario of agriculture. By fostering discussions and collaboration, we can contribute to the advancement of sustainable and innovative practices in agriculture. It also involves a series of panel sessions over a two-day period covering various advancements in different agriculture specializations.

Target Audience

Seminar will provide a platform for exchange of views and ideas on emerging trends in the agricultural sector. It is also intended to encourage academicians, industry persons, farmers, professionals and students to equip themselves with strong knowledge about the technology advancement in food production.

Sub Themes

- Increasing Food Production Practices.
- Agricultural Diversification.
- Horticulture Production's Emerging Trend.
- Floricultural Productivity.
- Agriculture Exports.
- Modernized Techniques in Agricultural Crop Processing.
- Precision Agriculture and Water Management
- Artificial Intelligence and Robotics in Crop Production

Call for Papers

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

Closing Dates for Papers

Submission of Abstract	: 5 th July 2024
Communication of Acceptance of Abstract	: 8 th July 2024
Submission of Full Length Paper	: 20 th July 2024

For Guidelines for Submission of Papers scan the QR Code



https://www.ieindia.org/webui/IEI-Activities.aspx#Call_Papers

Registration Fee

IEI Members	INR 590.00	Research Scholars	INR 885.00
Non-IEI Members	INR 885.00	Students	INR 295.00
** Inclusive of GST 18%			

Registration fee includes Tea & Lunch during Seminar and a 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), Tamilnadu State Centre”**. In case of NEFT / Online Net Banking transfer please mention the following

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Account No. : 30978808105
IFSC Code : SBIN0006489

NATIONAL ADVISORY COMMITTEE

Chairman	:	Dr G Ranganath, President, IEI
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Members		Dr Nutan Kumar Dash, Vice President, IEI Er Sukhvir Singh Mundi, Vice President, IEI
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Honorary Secretary	:	Er D Gokul, Honorary Secretary, TNSC, IEI
Organising Secretary	:	Er P Dhivya, M.I.E, IE(I), Asst.Prof, SRMVEC
Members	:	Dr P Mohanraj, Joint Secretary, TNSC, IEI Er C Prabhu, Joint Secretary, TNSC, IEI Dr.E.Maheswari, Asst.Prof. SRMVEC

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CONTACT

Convenor

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All India Seminar on Advanced Technologies in Agriculture for Sustainable Development and its Applications

The Institution of Engineers (India)

Tamil Nadu State Centre

1st & 2nd August 2024

REGISTRATION FORM / ADVERTISEMENT BOOKING FORM

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

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*DD Cheque drawn in favour of “**The Institution of Engineers (India) Tamilnadu State Centre**” Chennai Outstation Cheques should include Rs.50/- extra towards bank charges. At par Cheques are acceptable.