



Anusandhan
National
Research
Foundation



Anusandhan National Research Foundation (ANRF)

Sponsored

Two Day National Seminar

on

“Industrial-Scale Smart Grid Integration for Manufacturing in Industry 5.0”

July 30 -31, 2026

Organized by

**Department of
Electrical and Electronics Engineering**

&

Institute Innovation Council (IIC)

**BANNARI AMMAN
INSTITUTE OF TECHNOLOGY**

An Autonomous Institution Affiliated to Anna University Chennai
Sathyamangalam - 638 401 Tamil Nadu

ADVISORY COMMITTEE

Dr Palanisamy C Principal, BIT
Dr Sivakumar K, Dean (Administration), BIT
Dr Amarkarthik A, Dean (Academics and R&D), BIT

CONVENER

Dr Sivaraman P, Professor, EEE, BIT

COORDINATORS

Dr Maheswari K T, ASP & HOD/ EEE, BIT
Dr Chinnadurrai CL, AP-III/ EEE, BIT

ORGANIZING COMMITTEE

Dr Alex Stanley Raja T, AP-III/EEE, BIT
Dr Senthil Kumar J, AP-III/EEE, BIT
Mr Sundar S, AP-III/EEE, BIT
Ms Nithya G, AP-III/EEE, BIT

REGISTRATION

Online Reg. Link

<https://forms.gle/cfFHHJ8GXN7mB99C9>



CONTACT

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REGISTRATION DETAILS

Maximum number of participants is limited to 50.
Registration will be confirmed on a first-come,
first-served basis.

IMPORTANT DATE

Last date for Registration : **27-07-2026**

REGISTRATION DETAILS

UG Students / PG Students	Rs. 550*
Faculty Members/ Ph.D. Scholars	
Professionals from Industry and R&D Organizations	Rs. 1000*

* Including GST

- The registration fee covers the registration kit, working lunch, and refreshments
- Accommodation will be provided upon request, subject to availability.

PAYMENT METHOD

<https://payments.bitsathy.ac.in/ISSGIMI>



ABOUT THE INSTITUTE

Bannari Amman Educational Trust was established in 1995 with a vision to create educational facilities for students in rural areas. In pursuance of the vision, the Trust started Bannari Amman Institute of Technology (BIT) was established in the year 1996 in sprawling campus of 180 acres with a built-up space of more than 20 lakh square feet by the Industrialist and Philanthropist Shri. S.V. Balasubramanian, Chairman of the Bannari Amman Group, a leading corporate house in South India, Coimbatore with a vision to uplift rural areas by imparting technical education of global standard to the rural people. The Institute offers 10 UG and 03 PG programs in Engineering, Master of Business Administration (MBA), and Research programs. It has many laurels to its credit such as accreditation by NAAC with A+ grade for five years, NBA accredited courses, Best Engineering College award by ISTE.

ABOUT THE DEPARTMENT

The Department of Electrical and Electronics Engineering was established in 1996. It offers a four-year undergraduate programme leading to the Bachelor of Engineering (B.E.) degree in Electrical and Electronics Engineering. The department also offers Ph.D. and M.S. (By Research) programmes under the Faculty of Electrical Engineering, Anna University, Chennai. The B.E. EEE programme was accredited by the Institution of Engineering and Technology (IET), UK, from 2016 to 2023 and by the National Board of Accreditation (NBA), New Delhi, under Tier-I of the Washington Accord (Second Cycle). The department is supported by a team of highly qualified faculty members, including 18 doctorates and 7 postgraduates, of whom 6 are pursuing Ph.D. programmes in various fields of Electrical Engineering. The faculty possess extensive experience in industry, research, and teaching.

OBJECTIVES OF SEMINAR

To equip faculty members with the knowledge, skills, resources, and pedagogical practices to effectively integrate the interconnected in the area of energy, sustainability, and climate change into their curriculum, research and development.

OUTCOMES

This program will enable the participants to:

- Awareness of smart grid applications in Industry 5.0.
- Exposure to AI-based energy management tools. Collaboration opportunities with industries and startups.
- Framework for future ANRF-supported research proposals.
- Student skill enhancement through practical exposure.

Topics to be Covered

- Industry 5.0: Human-Machine Collaboration and Sustainable Manufacturing
- Smart Grid Architecture and Communication Networks
- Renewable Energy Integration for Manufacturing Plants
- Energy Management Systems and Load Optimization Strategies
- AI and Machine Learning for Smart Grid Analytics
- Power Electronics Interfaces for Grid Integration
- Digital Twins and IoT Platforms for Industrial Energy Systems
- Energy Storage Systems and Vehicle-to-Grid (V2G) Technologies
- Cybersecurity and Data Protection in Smart Manufacturing Grids
- Policy, Standards, and Future Research Directions for Smart Industrial Grids

SPEAKERS

The sessions will be conducted by eminent speakers from reputed industries, IITs, NITs, and other academic institutions.

ELIGIBILITY

The programme is open to faculty members, postgraduate students, research scholars, and professionals from relevant disciplines. Participants from government organizations and industries are also eligible to attend the programme.

HOW TO REACH?

Sathyamangalam is well connected by road from all major cities like Erode, Coimbatore, Mysore, Bangalore, Chennai, Kochi etc., The nearest railway stations are Erode (65 Km) and Coimbatore (70 Km).

