

**REGISTRATION FORM**

**AICTE Sponsored ATAL FDP  
On**

**“Recent Advances in Energy Systems  
for Sustainable Development”**  
11<sup>th</sup> to 16<sup>th</sup> November 2024

Name of the Participant: (Dr./Mr./Mrs./Prof.)

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.....

Designation.....

AICTE Faculty ID: .....

AICTE Permanent ID of Institution: .....

E-mail ID: .....

Phone No. Office. ....

Cell No. ....

Address: .....

.....

Date:

Place:

Signature of the Participant

Note: While attending the FDP faculty must produce the certificate from the head of the Institution that he/she is permitted to attend the FDP.

**Registration:**

Registration is free for the faculty working in AICTE approved institutions. Submission of filled in registration form is mandatory. The registration form must be scanned and mailed to co-ordinator to the given email id in contact details overleaf.

**Topics of FDP:**

- *Solar PV Technology*
- *Design and simulation of solar PV systems using PV Syst software*
- *Energy management in AC -DC grid*
- *EV charging*
- *Wind Power & Smart Grid Technologies for sustainable development*
- *Solar Thermal Systems & Applications*
- *Design & Emulation of Electric Vehicles for sustainable development*
- *Hydrogen: National Policy & Road Map Ahead in India*
- *Optimal allocation of energy sources in RE scenarios*
- *Fuel Cell Technology for future development*

**Resource Persons:**

Resource persons are drawn from reputed institutions across India such as NITs, NTPC, NSIC, and reputed Universities. Few sessions from industry are planned. Industry Visit to 1 MW grid connected floating solar power plant of NTPC at Ramagundam, Telangana is also planned.



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**Convenor**

*Dr. K. Shanker  
Director*

**Co- Convenor**

*Dr. K. Eswaraiah  
Principal*

**Co-ordinator**

*Dr. Yogesh Y Pundlik  
Dean, Students Affairs  
Prof & Head, Dept. of EEE*

**Co- Coordinator**

*Dr. A. Komuraiah  
Associate Prof. Dept. of ME*

Department of Electrical & Electronics Engineering

**KAMALA INSTITUTE OF TECHNOLOGY & SCIENCE**

Sponsored by KAMALA EDUCATION SOCIETY  
Approved by AICTE-New Delhi and Affiliated to JNTUH-  
Hyderabad, Accredited by NAAC A++  
ISO 9001-2015 Certified  
[UGC Autonomous Institution]  
Singapur, Huzurabad, Karimnagar  
Telangana, India- 505468  
<https://www.kitssingapuram.ac.in>

### About the Institution

Endorsing the policies of the Government of India to extend technical education to rural areas, Kamala Institute of Technology & Science (KITS, Singapur) was established in 1997 at Singapur (Vill), Huzurabad (Mdl), Karimnagar (Dist) in Telangana state. The institute, with the conviction on the motto "Vidvaan Sarvatra Pujyante", constantly strives for academic excellence. Institute is affiliated to Jawaharlal Nehru Technological University, Hyderabad and is approved by, All India Council of Technical Education (A.I.C.T.E), New Delhi.

The campus, located in a mango grove stretching across 10.78 hectares is known for its scenic beauty. The sprawling lush green campus provides aesthetic appeal and has a serene atmosphere that is very conducive for learning. The management and staff of the institute have been making all-out efforts to accomplish and sustain the objectives for which it was established.

The institute offers undergraduate programs in 8 disciplines of engineering viz, Electrical and Electronics Engineering, Electronics and Communications Engineering, Computer Science & Engineering, Mechanical Engineering, Civil Engineering, Artificial Intelligence and Machine Learning, Information Technology and Computer Science & Engineering (Data Science) with an intake of 720.

### About the Department:

Electrical and Electronics Department started in the year 1997 with an intake of 60 students. Every academic year an additional 10% of the students from diploma stream will join as lateral entry directly in the 2<sup>nd</sup> year. The Department has highly qualified, experienced and well-motivated faculty, with 2 doctorates.

The technical supporting staff of department are well qualified and highly trained. The department has students association named: KESA [KITS Electrical Students Association] to provide platform for students to develop overall personality by participating in co-curricular, extra-curricular activities. One student was awarded with gold medal by JNTUH in 2020. The department has strong Industry- Institute interaction to give exposure to students about the industry practices. The department organizes industry visits to nearby substations, electrical manufacturing companies and power plants which include NTPC, Ramagundam, KTPP Bhupalpally and few hydel power plants. Alumni of the department are working in both core and software industries such as NTPC, TRANSOs, GENCOS, Transformer Manufacturing Companies, OBLUM Electrical Industries Pvt. Ltd., HITACHI Co, MEDHA Servo Drives Pvt. Ltd., Novus Green Energy Systems, India Ltd, TCS, Infosys, TECH Mahindra and WIPRO, FOXCONN, TATA Motors, Salesforce, Amarraja etc.

### About the FDP:

Faculty Development Program (FDP) titled "Recent Advances in Energy Systems for Sustainable Development" aims to equip educators with the latest knowledge and tools in the field of energy systems. This program covers a range of topics, including renewable energy technologies, energy efficiency, energy policy and regulation, and sustainable development principles. The objectives of this FDP are:

1. **Knowledge Enhancement:** Providing participants with updated knowledge on recent advancements in energy systems, including emerging technologies and trends.
2. **Skill Development:** Equipping educators with the skills needed to incorporate new knowledge and teaching methodologies into their curriculum.
3. **Networking:** Facilitating interactions and networking opportunities among participants and experts in the field, fostering collaboration and exchange of ideas.

4. **Curriculum Development:** Assisting educators in designing and updating curriculum materials to reflect recent advancements in energy systems and sustainable development principles.

5. **Research Promotion:** Encouraging research activities among participants by exposing them to current research topics and methodologies in the field.

6. **Application-Oriented Learning:** Providing practical insights and case studies to help participants understand the real-world applications of energy systems for sustainable development.

This FDP may consist of lectures, workshops, hands-on sessions, panel discussions, and group activities. It also involves site visit to relevant facility or projects to provide participants with practical exposure to energy systems in action.

Overall, FDP on Recent Advances in Energy Systems for Sustainable Development promises to play a crucial role in empowering educators to prepare the next generation of professionals who can contribute to build a more sustainable energy future.

### Contact details for Correspondence:

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