

About Department

The Department of Electrical and Electronics Engineering is one among the founder departments at AISAT established in the year 2012. The department runs undergraduate programme to meet the ever challenging needs of technical excellence in all areas of Electrical and Electronics Engineering. The Department was initially affiliated to Mahatma Gandhi University (till 2018) and currently to APJ Abdul Kalam Technological University.

The department is supported by highly dedicated and experienced faculty who works diligently for the betterment of the students. The faculty members are proficient in the field of Power Systems, Power Electronics, Control Systems, Electrical Machines, Electric Drives, Electric Vehicles and Renewable Energy.

Background

On 20th November 2020 AISAT and SEEM renewed the MoU with an objective to work together towards the uplift of electrical and electronics engineering education and practice. This event provides a platform for students to sharpen their analytical acumen, arrive at reliable conclusions and improve their presentation skills. It is hoped that these will help to boost their confidence and to scale greater heights in their career as an engineer.

It aims to:-

- Inspire students to apply their knowledge, skill and creativity to provide technical solutions to the problems in the field of Electrical & Electronics Engineering
- Execute one among the prime objectives of MoU, signed with professional society SEEM to support and encourage socially relevant student projects.

About AISAT

AISAT is a leading educational institution offering quality education in the field of engineering. The institution is spread over a picturesque area in a beautiful and serene atmosphere ideally suited for technical education. AISAT has a well-structured infrastructure of international standards to help the students to creatively apply scientific principles to design or develop structures and machines. AISAT fosters holistic development of a student by incorporating major genres of education like reasoning, psychomotor and emotional learning to socialize students to become useful members of the society.

About SEEM

Society of Energy Engineers and Managers (SEEM) India is the national professional body of Certified Energy Managers, Auditors and energy professionals in the country launched in 2005 and registered under the Charitable Societies Act 1955. SEEM is a non-government/not-for-profit organization with 15 chapters and 7 centers, spread over 22 states and engaged in delivering networking and skill development opportunities to its members, by organizing training programs, workshops, etc.

About IEDC-AISAT

The Innovation and Entrepreneurship Development Centre (IEDC) at AISAT works as the first launch pad for a student's entrepreneurial journey and provide them with access to cutting edge technology, world-class infrastructure, high-quality mentorship, early risk capital, and global exposure. AISAT IEDC is supported by Kerala Start-up Mission (KSUM): the central agency of the Government of Kerala for entrepreneurship development and incubation activities in Kerala.



Albertian Institute of Science and Technology,
Kalamassery

Dept of EEE in
association with
SEEM and IEDC-AISAT
presents

AISE' 21

B.Tech Student Project Competition

Register for free

Prizes worth
Rs 17.5K

ELIGIBILITY

Final year B Tech students of EEE, Affiliated to KTU.
Team consists of maximum four members.
The team members must be working on the same project.
Any number of teams from same institution can apply

FREE REGISTRATION

REGISTRATION LINK

<https://bit.ly/38Fs8TE>



GUIDELINES FOR COMPETITION

Final year electrical and electronics engineering students can register for the competition as a team of maximum four members. The team members must be working on the same project and are expected to follow the guidelines stated below:
The project can be in any area of Electrical & Electronics engineering and its applications. Student project may be of the field (but not limited to):

- Energy Management & Conservation
- Renewable Energy Technologies
- Power Electronics and Drives
- Power Systems
- Control System
- Hybrid Electric Vehicle

Each team must nominate one of the members as the leader for a single point of contact, to whom all communications shall be sent.

SELECTION PROCESS

1. Abstract Selection – The initial scrutiny of abstracts should be conducted based on the social relevance aspects.
2. The selected team will be intimated through mail regarding the submission of soft copy of the interim report for the review purpose
3. After the review of soft copy, entries will be shortlisted and the selected teams will be informed to submit the final report (soft copy) for further verification.
4. The approved projects will be allowed to present in the event at AISAT.

PROJECT EVALUATION CRITERIA

1. Preliminary screening will be carried out based on the socio-economic relevance of the project from the abstract entry.
2. The selected teams have to submit the soft copy of the interim project report.

The received soft copies of project reports are reviewed based on

- a. Research Problem
 - Originality of the work
 - Identification of a socially relevant energy/electrical related problem and its solution
- b. Design and Methodology
 - Developing circuit/design
 - Application of ICs/ hardware and software tools to provide feasible solution
3. The selected teams have to submit the final soft copy of project report.

The final scrutiny of the project is based on

- a. Execution
 - Development of prototype/working model
- b. Final Presentation
 - Recognition of potential impact in society and/or economics
 - Depth of knowledge
 - Clear, concise, thoughtful responses to presentation
 - Communication clarity and visual presentation
 - Judicious responses to the technical queries.

PRIZE MONEY

The best project will receive certificates and a cash award of Rs 10000/-.
The second place winners will receive a cash award of Rs 5000/- along with certificates.
The Third place winner will receive certificates and a cash award of Rs 2500 /-.
Project guides of the winning teams will receive citation.

IMPORTANT DATES:

- Abstract submission – 15th February 2021
- Interim report submission – 25th February 2021
- Shortlisting of selected projects – 27th February 2021
- Final Project report submission – 31st March 2021
- Exhibition & Final presentation at AISAT - June 2021



Event coordinators

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