



Course Deliverables

The beneficiaries would get better job opportunities in energy sector meeting the professional requirements of various regulatory bodies, research organizations and industry expectation across the globe.

The certification from International Society for Energy and Sustainability Research (ISESR) is valid for 5 years. It is a valuable asset for any individual to grow and develop as an Energy Professional.

The candidates may either take up recertification or take up other ISESR Energy Certifications and upgrade to Professional qualifications after 3 years to become global energy experts.

Direct Beneficiaries

B.Tech. Agricultural Engineering Students of AEC & RI, Kumulur, Trichy District.

Course Fee

INR 10,000 + GST per student funded by
TNAU-IDP, DABD.

Organised by

Directorate of Agribusiness Development
TNAU, Coimbatore – 641003
AEC & RI, Kumulur

Course Coordinator

Ms. Krishna Rubiga, CEO
Ampere Voltage Consulting Private Ltd.,
Tiruchirappalli

Faculty Coordinators

- 1 . Dr. V. Thirupathi, Dean, AEC & RI,
Kumulur
- 2 . Dr. S. Thambidurai, AP, AEC & RI,
Kumulur

Contact Details

Director (ABD) & PI (TNAU-IDP),
Directorate of Agribusiness Development,
TNAU, Coimbatore – 641003
Ph. 0422 6611310



NHEP



TNAU – IDP

**Certificate Course
on**

**ENERGY AUDITING AND
MANAGEMENT**

9th – 13th March, 2020



**Directorate of Agribusiness Development
Tamil Nadu Agricultural University,
Coimbatore – 641 003**

Energy Management plays a crucial role in understanding the energy consumption pattern in the facility, identifying the energy conservation opportunities throughout the system and transforming the energy usage and energy savings pattern. The role of Certified Energy Associate is significant in transforming the energy intensive industries to more energy responsible industries.

With this perspective, the Directorate of Agribusiness Development (DABD) has initiated a Certificate Course on Energy Auditing and Management for Agricultural Engineering students under Institutional Development Plan (IDP) in association with Ampere Voltage Consulting Private Ltd., Tiruchirappalli which is an exclusive Indian affiliate of International Society for Energy and Sustainability Research (ISESR). It is an UK based not for profit organization that offers certificate courses in energy and environmental sectors

The Institutional Development Plan (IDP) is funded by ICAR under National Agricultural Higher Education Project (NAHEP) for the period 2019-22. The objectives of TNAU-IDP are to a) improve learner-centric environment by adopting innovative pedagogy and academic reforms, b) to promote student and faculty diversity, competence, entrepreneurship, skill development and international outlook, and c) to improve education management through alumni network, technology and partnership



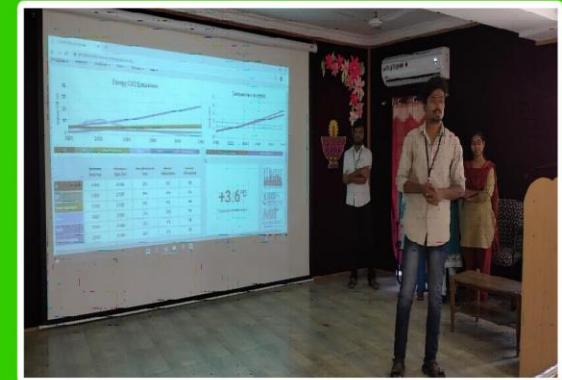
Course Objectives

- To enable students to understand the core concepts of Energy Auditing and Energy Management.
- To understand and identify the Energy Conservation Opportunities in all scenarios.
- To perform Preliminary Energy Audit in any given facility.
- To analyze and understand the energy consumption data and pattern using Minitab software.
- To understand and operate the Energy Minitab software

Course Curriculum

- ☞ Introduction to energy management
- ☞ Building envelope energy management
- ☞ Lighting systems energy management
- ☞ Electrical systems energy management

- ☞ HVAC energy management
- ☞ Boiler energy management
- ☞ Motors, drives & pumps energy management
- ☞ Units & systems energy management
- ☞ Renewable energy technologies
- ☞ Energy management maintenance



Course Activities

- >> Meme Creation on Energy Conservation
- >> Simulation on Energy usage
- >> Simulation on Climate change
- >> Interactive Sessions
- >> Students Presentation
- >> Quiz