



# SRI KRISHNA

## COLLEGE OF ENGINEERING AND TECHNOLOGY



SKCET - ENERGY AUDIT CELL

# ENERGY

## AUDIT CELL



PERFECTION THROUGH PERFORMANCE

<http://skcet.ac.in>

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# ENERGY AUDIT CELL ACTIVITIES 2022-2023



## ENERGY AUDIT CELL

Energy audit cell is one which aims in creating a more secure future from the view of energy needs. The members of the cell strive to generate awareness regarding the necessity to focus on conservation of energy and the cell has organised various programs to create awareness among the students and staff of our college. The cell tries to make the students and general public aware of the grave scenario and how wastage of energy should be considered almost a cardinal sin. It seeks to find out the methods to reduce the energy consumption. The Cell encourages the use of 'Green Energy' and to limit the use of fossil fuels. The cell members create awareness about conducting the energy audit to find wastage of energy and in finding opportunities for energy conservation. The cell also actively participates in research and development programmes to build small scale projects and devices plans on how these projects can be implemented more feasibly on a larger scale. The cell is progressing leaps and bounds in this field and hopes to continue doing so for years to come.

## OUR WORK

### Objectives

- To reduce the wastage of energy in the college.
- To create awareness among the staffs and students about the need for energy conservation.
- To harness the environment friendly RE sources and to enhance their contribution to the socio-economic development.
- To create public awareness and involve users/local community along with capacity building in establishing, operating and managing RE projects.
- To support efforts for developing, demonstrating and commercializing new and emerging technologies in the RE sector.
- To reduce monthly energy cost.
  - To decrease energy consumption and loss, to increase energy utilization efficiency.
  - To extend the usage of renewable energy resources.
  - To prioritize renewable energy systems in the buildings to be built newly.
  - To implement the measures for energy conservation & realization of savings.

## FUNCTIONS AND ACTIVITIES

- Implementation of New Recommendation from Audit report.
- Slogan competition and poster presentation- Event to be conducted.
- Encouraging the projects related to designing energy efficient devices.
- Programme to create awareness based on the audit conducted in the college.

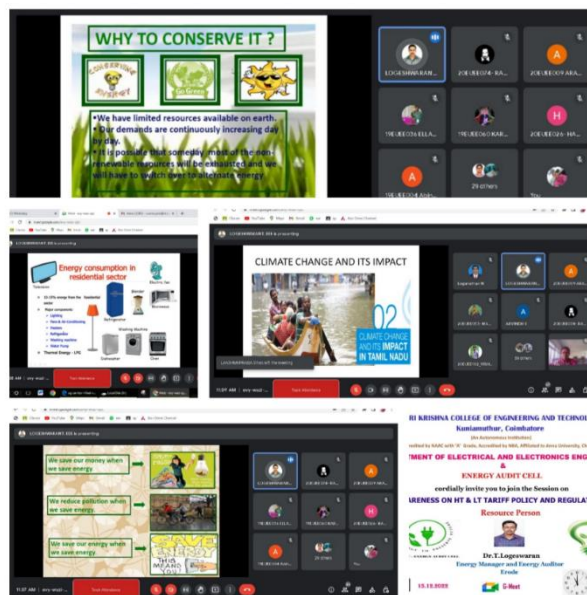
### ENERGY CONSERVATION OUTREACH PROGRAM:



Energy conservation outreach program was conducted on 22<sup>nd</sup> September 2022 at Palathurai panchayat, Coimbatore. To create awareness about the energy consumption to the society which includes the usage of solar panels for domestic appliances, solar heater benefits, usage of LED lamps in lighting system and Solar Roof for smart home projects.

## ENERGY CONSERVATION WEEK

### SKCET-EEE: Energy Conservation Week Celebrations 2022



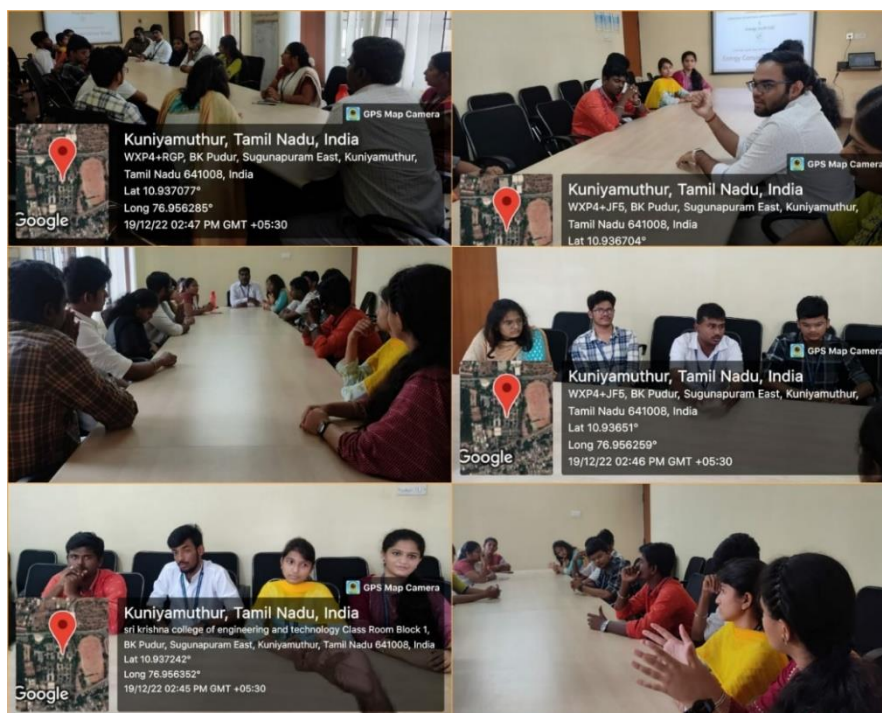
The Energy Audit Cell of Department of Electrical and Electronics Engineering organized a Virtual Seminar on 'Awareness on HT & LT Power Tariff Policy and Regulations' today for Faculty and Students.

#### Resource Person:

Dr.T. Logeswaran,  
Energy Manager & Auditor, Erode.

**Session Takeaways:**

- 📍 Climatic change and its Impact, Tariff for Low- & High-Tension Consumers Category.
- 📍 Proposed Slab Range Vs Consumer Category, Energy Consumption in Residential & Industrial Sectors.
- 📍 Wattages of Electrical Appliances, Ways to Conserve Energy and Save Energy.

**SKCET-EEE celebrates 'Energy Conservation Week 2022'**

As part of the Energy Conservation Week celebrations, the Energy Audit Cell of EEE Department organized a Energy Debate on the topic 'Race2Decarbonisation' for EEE Students today (19.12.2022) in BS-11 Conference Hall. Third year students enthusiastically participated in the event. The external jury appreciated the participants and expressed his distinct note on 'Globalised NZCE' to our young minds.

**External Jury:**

Er. P. Premkumar,

Technical Training Lead,

Petroleum Conservation Research Association (PCRA), Coimbatore.

**Crest Pointers:**

- 🌿 Is there a global effort to reach net zero?
- 🌿 How do we ensure commitments are turned into action?
- 🌿 Net zero carbon pledges have good intentions. But they are not enough.
- 🌿 Sustainable aviation fuel could bring India's industry to net-zero.





**SKCET-EEE celebrates 'Energy Conservation Week 2022'**



As part of the Energy Conservation Week celebrations, the Energy Audit Cell of EEE Department conducted Slogan Contest on the topic 'Catchphrase on Energy Conservation' for EEE Students today (22.12.2022) in BS-11 Conference Hall. Third

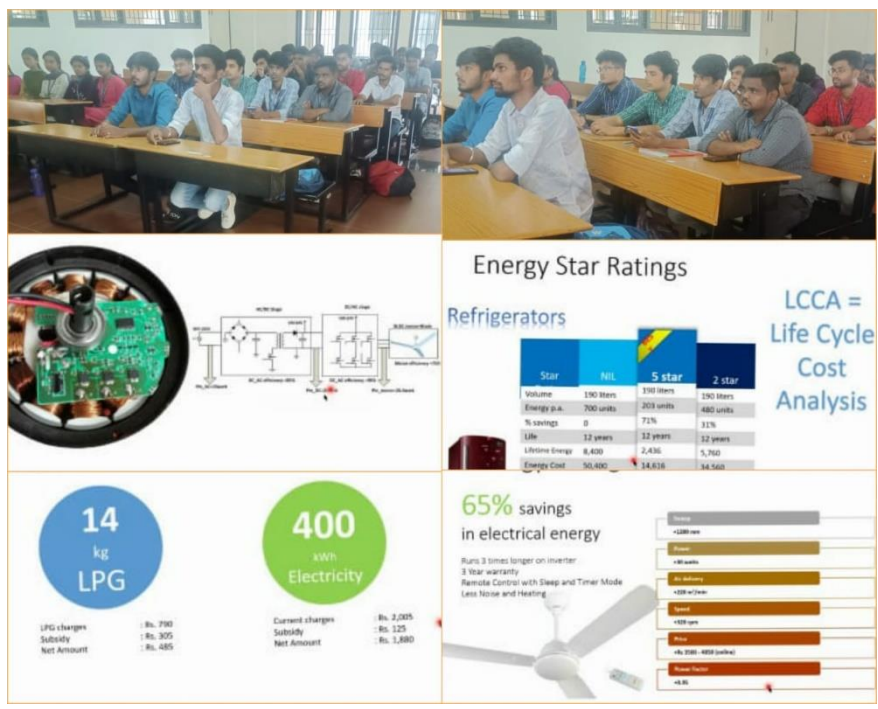
year students enthusiastically presented their phrases on Energy Conservation The jury members appreciated the participants with extrinsic note.

**Gist's of posters:**

-  Count the watts
-  Preserve Energy
-  Tune the light 

**EEE - EAC: Technical Talk**

Department of Electrical and Electronics Engineering has conducted a Technical Talk on Energy Management Techniques for III EEE Students today (21.12.2022).



**Resource Person:**

Dr. Mohammed Ehsan,  
Deputy Manager,  
Bharath Heavy Electricals Limited (BHEL), Trichy.



**Session Keys:**

- ✦ Need for Energy Management.
- ✦ Utilisation of BLDC Machines for Industrial applications.
- ✦ Cost reduction techniques.
- ✦ Impact of EVs on Zero Carbon.

**SKCET-EEE: ENERGY AUDIT CELL ACTIVITY**

As a Part of Energy Audit Cell activity, the Department of Electrical and Electronics Engineering organised a Guest Lecture on **Young Energy Professionals - Scope & Opportunities** today at BS-03 Seminar Hall for III EEE Students.



**Resource Person:**

Dr.S.R.Sivarasu,  
Energy Auditor, Coimbatore.

Our campus latest version of Mobile app - SKCET Energy App developed by the students' team was appreciated with Merit Certificates.

**Session take-aways:**

- # Audit Parameters
- # Excess Demand Charges
- # Smart Metering
- # Opportunities of Conservation through E-Vehicles
- # Power Factor Correction using Supercapacitors