

REPORT ON ENERGY MANAGEMENT AWARENESS PROGRAM

INTRODUCTION:

Energy is one of the most critical resources in today's world, powering everything from households to industries. However, the growing demand and over-reliance on non-renewable sources have resulted in severe environmental consequences. In response to these challenges, awareness and education on energy management have become vital.

The Energy Management Awareness Program was organized to promote the understanding of responsible energy consumption, the use of renewable sources, and efficient technologies among participants. Through interactive sessions, expert talks, and practical demonstrations, the program aimed to instill habits and practices that contribute to long-term sustainability.

OBJECTIVE OF THE PROGRAM:

The key objectives of the Energy Management Awareness Program were:

- To educate participants on the importance of energy conservation and its environmental impact.
- To spread awareness about renewable energy sources and sustainable technologies.
- To promote behavioral changes toward responsible energy usage in daily life.
- To encourage the adoption of energy-efficient appliances and smart practices.

- To foster a culture of sustainability within the community or institution.

POSTER

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ECBC & ENS Awareness Program

by
Energy management centre-kerala



Jose Philip
Building Energy Efficiency Expert
BEE Certified Energy Manager,

 High-Tech Room
 19/12/22
 10.00-12.30 AM

Certificate are provided
<https://forms.gle/RCenW67IDguA9gEH7>

"EGNIZITA" EEE Association



ALL ARE WELCOME

Content Covered:

During the program, the following topics were discussed and demonstrated:

- The global energy crisis and the role of individuals in energy conservation.
- Methods to reduce electricity consumption at homes and workplaces.
- Introduction to renewable energy sources such as solar, wind, and hydro.
- Energy-efficient appliances and their benefits.
- Simple energy-saving tips: switching off unused devices, proper insulation, LED lighting, etc.
- Government schemes and incentives for adopting renewable technologies.

Outcome & Feedback

The program witnessed enthusiastic participation, with over 200 more attendees. Audience engagement during the sessions and practical demonstrations reflected their interest and willingness to learn. Feedback collected from participants showed:

- Increased understanding of energy-saving techniques.
- Positive intention to implement changes at home or work.
- Interest in participating in future eco-friendly initiatives.

The interactive nature of the sessions and real-life applicability of the tips shared received particularly strong praise.

Photos & Visuals;



PO JUSTIFICATION

PO1 – Engineering Knowledge

Students apply basic and advanced concepts of electrical engineering to understand energy systems and energy conservation principles.

PO2 – Problem Analysis

Awareness helps students identify and analyze problems related to inefficient energy usage and energy losses in systems.

PO4 – Conduct Investigations of Complex Problems

Students may be encouraged to perform energy audits or study energy consumption patterns, which involve investigation and data interpretation.

PO5 – Modern Tool Usage

Programs often introduce or emphasize tools like energy meters, audit software, or simulation platforms relevant to energy management.

PO6 – The Engineer and Society

Promotes awareness of the engineer's role in societal development by managing energy resources efficiently and responsibly.

PO7 – Environment and Sustainability

Directly relevant, as energy management is a core part of sustainable development and reducing environmental impact.

PO12 – Life-long Learning

Encourages students to stay updated with evolving energy policies, technologies, and sustainable practices throughout their careers.

PSO JUSTIFICATION

PSO1 – Design, Analyze and Test Components and Systems...

Helps students understand how to design energy-efficient electrical systems using modern tools.

PSO2 – Specify and Analyze Electronic Systems...

Relates to control systems and automation in energy monitoring and management systems, including digital solutions like IoT-based EMS.

CONCLUSION

The Energy Management Awareness Program successfully highlighted the importance of energy conservation and sustainable living. By engaging participants through informative sessions and practical demonstrations, the program achieved its goal of encouraging smarter energy usage habits.

Moving forward, we plan to conduct follow-up sessions and campaigns to maintain the momentum and embed energy-efficient practices into our everyday lives