



LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING (Autonomous)

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New Delhi & Certified by ISO 9001:2008, <http://www.lbrce.ac.in>

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One-Day Workshop on "Energy Auditing" on 21st July, 2015

Report

A One-Day Workshop on "Energy Auditing" was organised by Electrical and Electronics Engineering Department of LBRCE in collaboration with NATIONAL SMALL INDUSTRIES CORPORATION LIMITED (A Govt. of India Enterprise), NSIC-TECHNICAL SERVICES CENTRE (Recognized R&D centre by Ministry of Science & Technology). This workshop received an overwhelming response with 125 participants from within the institute spreading over Electrical & Electronics Engineering and Mechanical Engineering V and VII Semester students.

The main objective of this workshop is to enhance the technical knowledge base and also to inculcate entrepreneurial skills in students. It also provided information & opportunities in Energy Auditing. Efficient energy consumption is crucial for the economic success of any organization. Energy audit team will analyze energy systems and provide a full report on current electricity consumption and annual energy spent. It would also include specific energy savings proposals along with the associated repayment period of current energy related debt. Energy audits shall allow detailed and validated calculations for the proposed measures so as to provide clear information on potential savings. The data used in energy audits shall be storable for historical analysis and tracking performance.

Sri. T. Muttu Kumaran and Sri. M.V.Ramesh, certified Energy Auditors from NSIC-TECHNICAL SERVICES CENTRE (Recognized R&D centre by Ministry of Science & Technology) acted as resource persons for the workshop. They explained the necessity and importance of Energy Auditing with suitable examples. Live demonstrations with Power Analyzer, Lux Meter, Pyrometer on Transformers, Compressors, Lighting loads, and motors enlightened the students.

This Workshop was inaugurated by Honourable Chairman, Er.Lakireddy Bali Reddy by lightening the lamp. He spoke on "Entrepreneurship and its importance in present society".

Dr. E.V. Prasad, Director of LBRCE appreciated Department of Electrical & Electronics Engineering for conducting workshop in collaboration with industry. This will enhance the entrepreneurial skills among students and encourages them to become Entrepreneurs - he added.

Dr. N. R. M. Reddy, Principal of LBRCE suggested Department of Electrical & Electronics Engineering to continue this type of Workshops regularly.

Dr. M. Uma Vani, Professor and Head of EEE Department, convenor for the Workshop, welcomed the participants and briefed them about the Energy Auditing and importance of the same.

Mrs. P.Sobha Rani, Assoc.Prof., Sri.M.B.Chakkravarthy, Sr. Asst. Prof. of the EEE Department acted as Co-ordinators for the Workshop.







Need for Energy Audit

- Three top operating expenses are energy (both electrical and thermal), labour and materials.
- Energy would emerge as a top ranker for cost reduction.
- primary objective of Energy Audit is to determine ways to reduce energy consumption per unit of product output or to lower operating costs.
- Energy Audit provides a "benchmark" (Reference point) for managing energy in the organization.



OBJECTIVE OF THE WORKSHOP IS TO PROVIDE KNOWLEDGE TO THE STUDENTS OF THE COLLEGE ON THE FOLLOWING TOPICS:

- 1. To understand the importance of energy audit.
- 2. To understand the various types of energy audit.
- 3. To understand the various energy saving devices.
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