LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING

(An Autonomous Institution Since 2010)

Approved by AICTE, New Delhi and Permanently Affiliated to JNTUK, Kakinada

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Department of Electrical and Electronics Engineering

Accredited by NBA under Tier-I

Report on **"Energy Scenario in India & Energy Conservation & its general aspects".**

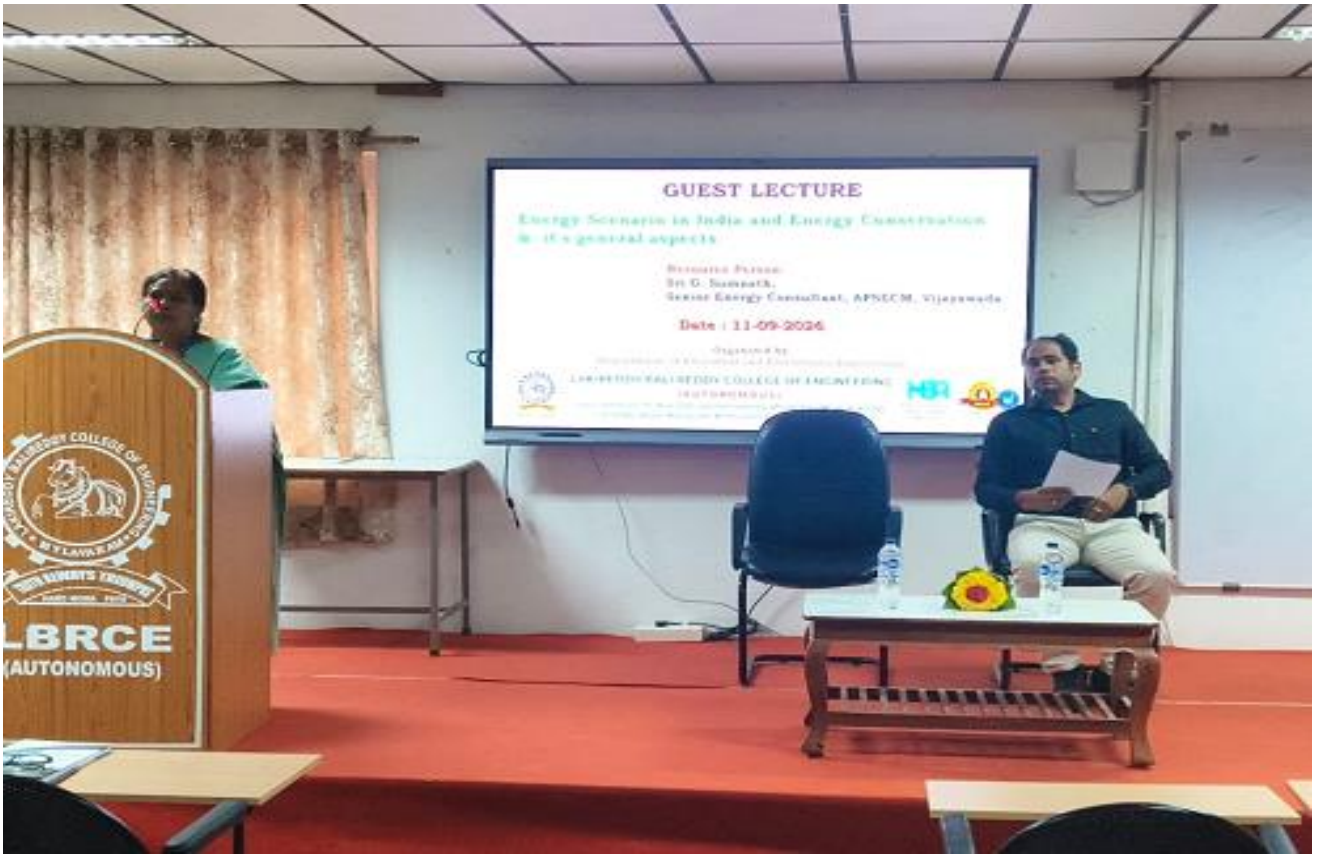
Event Type	**:**	Guest Lecture
Date / Duration	**:**	11-09-2026 / 10.00am to 12.00am
Name of the event	**:**	Energy Scenario in India & Energy Conservation & its general aspects
Resource Person	**:**	**Sri G. Sumnath,** Senior Energy Consultant, APSECM, Vijayawada.
Name of the Coordinator(s)	**:**	**Mr.R.Anjaneyulu Naik ,**Assoc.Professor,LBRCE. **Mrs G.Tabita**,Sr. Assistant Professor, EEE Dept.,LBRCE
Target Audience	**:**	B. Tech-III Semester Students (A&B)
Total Number of students	**:**	125
Objective of the event	**:**	To provide Insights of the National Energy Profile & Highlight Industrial & Practical Engineering Applications & Expose Students to Career Pathways
Outcome of event	**:**	Students will be able to apply Energy Conservation Principles and applied to Core Concepts in electrical systems such as motors, lighting, HVAC & transformers and also suggest basic techniques for improving system efficiency.

Sustainable Development Goals : The program contributes to SDG 7 (Affordable and Clean Energy) and SDG 12 (Responsible Consumption and Production) by sensitizing students to renewable energy transitions and energy conservation methodologies. It enhances technical domain competency and industry readiness, while supporting SDG 9 (Industry, Innovation, and Infrastructure) and SDG 13 (Climate Action) through discussions on smart grid innovations, clean technology integration, and climate mitigation strategies.

Description / Report on Event: The Department of Electrical and Electronics Engineering organized a guest lecture on **"Energy Scenario in Indi - Energy Conservation & Its General Aspects"** for III semester students on **11-09-2026.**The session provided comprehensive insights into India's current installed power generation capacity, emphasizing the significant growth of renewable energy resources—particularly solar and wind power—alongside conventional thermal and hydroelectric generation. The speaker highlighted practical methodologies for optimizing daily electrical energy usage and underscored the critical importance of energy conservation in achieving sustainable national development. The event also focused on emerging professional avenues, including career opportunities in smart grid implementation, renewable energy integration, and specialized roles in energy auditing under statutory frameworks like the Bureau of Energy Efficiency (BEE). An interactive session allowed students to actively engage with the resource person regarding future industry prospects. Overall, the guest lecture successfully bridged the gap between theoretical academic concepts and real-world industrial practices, encouraging future electrical engineers to adopt and promote sustainable engineering practices.

Feed back/ Suggestions : students are asked to conduct more such events in future

Photos:



Welcome speech by **Dr. P.Sobha Rani**, HOD, EEE Dept.,LBRCE



Sri G. Sumnath, Senior Energy Consultant, APSECM, Vijayawada, is interacting with the students on "**Energy Scenario in India & Energy Conservation & its general aspects".**



Felicitation to the resource person **,Sri G. Sumnath,** Senior Energy Consultant, APSECM, Vijayawada

HOD/EEE

P. Sobha

Dr.P.Sobha Rani