



# PRAGATI ENGINEERING COLLEGE

(AUTONOMOUS)

ADB Road, Surampalem, 533 437

Approved by AICTE & Permanently Affiliated to JNTUK Kakinada & Accredited by NBA & NAAC with 'A+' Grade

**ELECTRICAL ANDELECTRONICS ENGINEERING DEPARTMENT**



## CIRCULAR

Academic Year: 2025-26

Date: 26.07.2025

We are pleased to announce that a session on "PPT ON Energy Management " is scheduled to be conducted by the Energy Management Club (EMC). This session will provide valuable insights into:

- The concept of Energy Management and their advantages.
- The main role of Energy Management in day to day life.

The session will be delivered by Club Members of EMC.

Interested students are invited to participate as per the schedule below:

- Date & Time of Event: 28.07.2025 | 11:00 AM - 12:00 PM
- Venue: MS-10

For further details, please contact the event coordinators.

Student Coordinators

BATCHU SRI DIVYA	(23A31A0224), III yearEEE
NAGULAKONDA SAI TEJA VIGNESH	(23A31A0245), III yearEEE
EMANI V U N SAI HIMAVARSHA	(23A31A0229), III year EEE
ERANKI SAI SRI KIRAN	(24A35A0208) , III year EEE

Energy Management Club

Faculty Coordinator

Mrs. P. Pushpa Latha, Asst. Professor, EEE Dept



*Pushpa Latha*  
HOD-EEE 26/7/25







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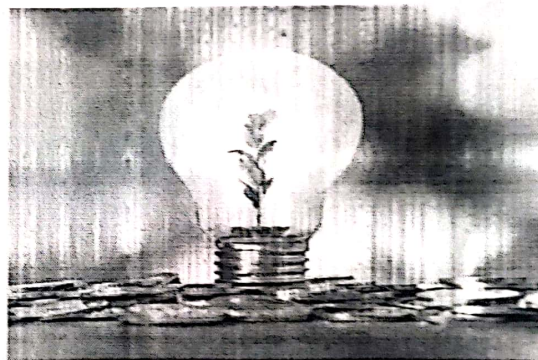
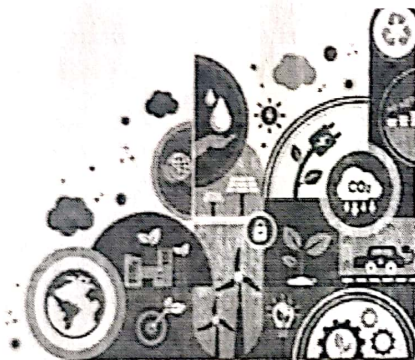
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## ENERGY MANAGEMENT CLUB REPORT

### I. Club Information

- Club Name: Energy Management Club (Pragati Engineering College)
- Date: 28.07.2025
- Event Name: PRESENTATION ON ENERGY MANAGEMENT
- Student Coordinators:
  - BATCHU SRI DIVYA (23A31A0224), III yearEEE
  - NAGULAKONDA SAI TEJA VIGNESH (23A31A0245), III yearEEE
  - EMANI V U N SAI HIMAVARSHA (23A31A0229), III year EEE
  - ERANKI SAI SRI KIRAN (24A35A0208), III year EEE
- Faculty Coordinator: Mrs. P. Pushpa Latha, Asst. Professor, EEE Dept



### II. Executive Summary

The Energy Management Club of Pragati Engineering College conducted a technical session on "PRESENTATION ON ENERGY MANAGEMENT" on 28 July 2025. This event aimed to educate students on the concept of Benefits of energy management, their environmental benefits, and their significance in building a sustainable future for urban mobility. This presentation explores energy management, highlighting its significance in enhancing efficiency and sustainability in our daily lives. We will examine effective strategies, practical applications, and the overall benefits of implementing energy management techniques in individual households.

### III. Definition and Importance

Energy management is the systematic approach to monitoring, controlling, and conserving energy in a building or organization. It is essential for reducing energy costs and environmental impact, ensuring a sustainable future. Effective energy management not only enhances operational efficiency but also supports compliance with regulations and market demands for eco-friendly practices.





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### IV. Benefits for Individual Households

Implementing energy management practices can lead to substantial savings on utility bills for households. It promotes conscious energy usage, reduces waste, and contributes to a lower carbon footprint. Additionally, families can benefit from improved comfort, as energy-efficient homes tend to maintain better temperature consistency and air quality, enhancing overall living conditions.

### V. Strategies for Effective Energy Usage

To effectively manage energy, individuals can adopt strategies such as setting energy-saving goals, conducting energy audits, and utilizing energy-efficient appliances. Implementing smart thermostats and energy monitoring systems can also help track usage patterns and optimize consumption. Education on energy management practices plays a crucial role in fostering a culture of energy awareness within households.

### VI. Practical Applications

#### Smart Home Technologies

Smart home technologies greatly enhance energy management by automating systems like lighting, heating, and cooling. Devices such as smart meters and voice-activated assistants allow homeowners to monitor energy usage in real-time, making it easier to reduce consumption and costs. These innovations enable seamless integration of renewable energy sources, optimizing both energy efficiency and user convenience.

#### Renewable Energy Sources

Incorporating renewable energy sources, such as solar panels and wind turbines, significantly contributes to effective energy management. These technologies not only reduce reliance on fossil fuels but also provide substantial long-term cost savings. Homeowners can take advantage of incentives for adopting renewable systems, further enhancing financial viability while supporting environmental sustainability efforts.

#### Energy-Saving Tips for Daily Life

Simple daily practices can lead to significant energy savings. Recommendations include turning off lights when leaving a room, unplugging devices not in use, and using energy-efficient bulbs. Additionally, optimizing thermostat settings and utilizing natural light can contribute to reduced energy consumption. Awareness and small lifestyle changes can collectively make a substantial impact on household energy efficiency.

### VII. Conclusion

The implementation of effective energy management strategies is essential for maximizing efficiency and minimizing environmental impact. By adopting smart technologies, utilizing renewable energy sources, and embracing energy-saving practices, households can achieve significant financial savings and contribute positively to sustainability efforts. Energy management not only enhances individual living standards but also plays a crucial role in addressing global energy challenges.





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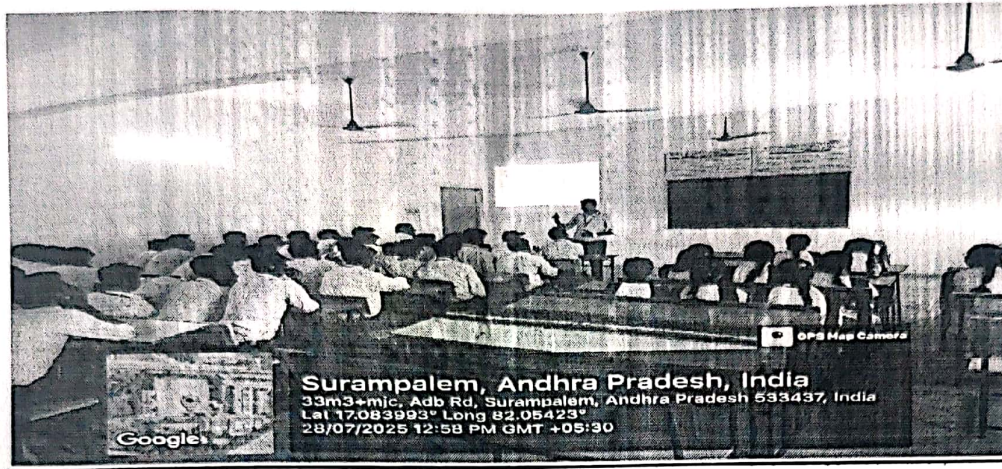
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## PHOTOS







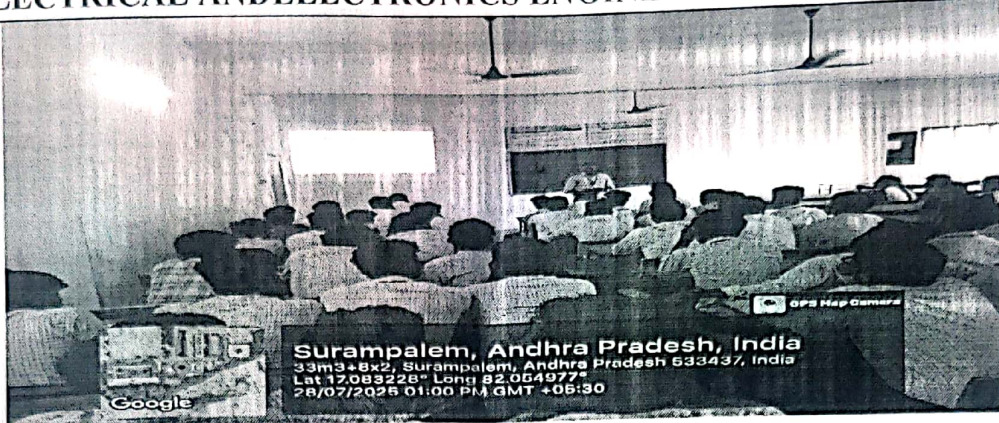
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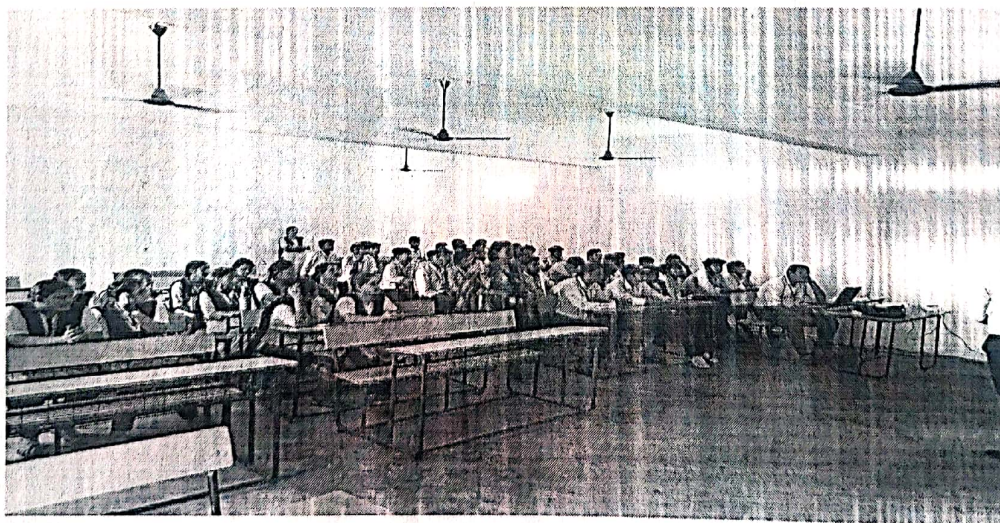
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Surampalem, Andhra Pradesh, India  
33m3+8x2, Surampalem, Andhra Pradesh 533437, India  
Lat 17.083228° Long 82.054977°  
28/07/2025 01:00 PM GMT +05:30



Surampalem, Andhra Pradesh, India  
33m3+8x2, Surampalem, Andhra Pradesh 533437, India  
Lat 17.083652° Long 82.054847°  
28/07/2025 01:07 PM GMT +05:30







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## POSTER

**PRAGATI ENGINEERING COLLEGE**  
(AUTONOMOUS)  
Department of Electrical & Electronics Engineering  
**ENERGY MANAGEMENT CLUB**  
EVENT ON  
**PRESENTATION ON ENERGY MANAGEMENT**

**DATE:**  
28.07.2025

**Faculty Coordinator**  
Mrs. P. Pushpa Latha,  
Asst. Professor, EEE Dept

**venue**  
CORE BLOCK  
M.S-10

**Student Coordinators**  
BATCHU SRI DIVYA  
(23A31A0224), III year EEE  
NAGULAKONDA SAI TEJA VIGNESH  
(23A31A0245), III year EEE  
EMANI V U N SAI HIMAVARSHA  
(23A31A0229), III year EEE  
ERANKI SAI SRI KIRAN  
(24A31A0200), III year EEE

Faculty Co-ordinator

IQAC Co-ordinator



HOD - EEE





Learning is Supreme Duty

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ADB Road, Surampalem, F.G.D.I.A.P - 533437  
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Kakinada) (Recognized by UGC Under Sections 2(F) and 2(B) of UGC Act, 1956) Ph  
08852 - 252233, 34. Website: www.pragati.ac.in

## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Title of the event: Energy Management Presentation

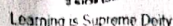
Event No. 01

Date & time: 28/7/20

List of students attended: 52

S.No	Roll Number	Name	Branch	Year	Signature
1	24A31A0235	K.P.N. RASU	EEE	2 <sup>nd</sup>	P.N. RASU
2	24A31A0246	N. Mohan	EEE	2 <sup>nd</sup>	N. Mohan
3	24A31A0227	Ch. Mohan	EEE	2 <sup>nd</sup>	Ch. Mohan
4	24A31A0222	B. Praveen	EEE	2 <sup>nd</sup>	B. Praveen
5	24A31A0237	K. Surya deep	EEE	2 <sup>nd</sup>	Surya deep
6	24A31A0259	V.N.S. Santoshkundan	EEE	2 <sup>nd</sup>	V.N.S. Santoshkundan
7	24A31A0243	M. Vamsi Varadhan	EEE	2 <sup>nd</sup>	M. Vamsi Varadhan
8	24A31A0256	S. Abhishek	EEE	2 <sup>nd</sup>	S. Abhishek
9	24A31A0249	P. Seru	EEE	2 <sup>nd</sup>	P. Seru
10	25LECON204	K. Lokesh	EEE	2 <sup>nd</sup>	K. Lokesh
11	24A31A0253	P.R.S. I.V. Shyam	EEE	2 <sup>nd</sup>	P.R.S. I.V. Shyam
12	24A31A0229	D. Veerababu	EEE	2 <sup>nd</sup>	D. Veerababu
13	24A31A0231	G. Bhargava Sai	EEE	2 <sup>nd</sup>	G. Bhargava Sai
14	24A31A0248	N. Vijay Kumar	EEE	2 <sup>nd</sup>	N. Vijay Kumar
15	24A31A0245	N. Vinay Venkata Reddy	EEE	2 <sup>nd</sup>	N. Vinay
16	24A31A0223	B. Anil Kumar	EEE	2 <sup>nd</sup>	B. Anil
17	24A31A0234	J. Avinash	EEE	2 <sup>nd</sup>	J. Avinash
18	24A31A0214	S. Durgesh	EEE	2 <sup>nd</sup>	S. Durgesh
19	24A31A0257	S. Jagan	EEE	2 <sup>nd</sup>	S. Jagan
20	24A31A0230	D. Loshith	EEE	2 <sup>nd</sup>	D. Loshith
21	24A31A0233	T. Sasendra Moudi	EEE	2 <sup>nd</sup>	T. S. Moudi
22	24A31A0226	B.S.V.S. Vinay	EEE	2 <sup>nd</sup>	B. Vinay
23	24A31A0254	R. Sandeep	EEE	2 <sup>nd</sup>	R. Sandeep
24	24A31A0240	K. Naveen	EEE	2 <sup>nd</sup>	Naveen
25	24A31A0241	K. Sri Surya	EEE	2 <sup>nd</sup>	K.S.S.N.G.S. Surya
26	25LECON203	K. Naveedhar	EEE	2 <sup>nd</sup>	K. Naveedhar
27	25LECON202	N. Raja	EEE	2 <sup>nd</sup>	N. Raja
28	24A31A0252	P. Hemanth	EEE	2 <sup>nd</sup>	P. Hemanth
29	24A31A0221	B. Roshan	EEE	2 <sup>nd</sup>	B. Roshan
30	24A31A0244	M. Raj Kumar	EEE	2 <sup>nd</sup>	M. R. K.
31	24A31A0226	K. Vishanth	EEE	2 <sup>nd</sup>	K. Vishanth
32	24A31A0232	G. V. K. Indira	EEE	2 <sup>nd</sup>	G. V. K. Indira





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**Faculty Co-ordinator**

Pragati Engineering College  
EEE-HQD  
HoD-EEE