PRAGATI ENGINEERING COLLEGE

(Autonomous)

1-378, ADB Road, Surampalem – 533 437, Near Peddapuram, Kakinada District, A.P.
(Approved by AICTE, Permanently Affiliated to JNTUK, Kakinada & Accredited by NBA)
(Recognized by UGC Under Sections 2(f) and 12(B) of UGC Act, 1956)
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DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

Date: 05-04-2025

CIRCULAR

It is inform to all the students of B.Tech II, III & IV Year that the Student Chapter Institution of Engineers(India) Department of Electrical & Electronics Engineering is conducting **"AWARENESS ON ENERGY SAVING DURING SUMMER SEASON"** on 08-04-2025. In this regard All the interested students participate actively.

Faculty coordinator: Mrs. P.PUSHPA LATHA

Student Coordinators: 23A31A0219-R.SRAVANI
23A31A0220-K.V.V.S.Anjani Kumari
23A31A0247-O.A.N.V.S.Manikanta
24A35A0205-D.Sai Venkat

Venue: MEC BLOCK –MS:12
Date & Time: 08-04-2025, 2:00 PM

HOD-EEE

Copy to:

1) Circulate among students and staff
2) Department Notice Board
3) Department File
4) Principal for Information

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Learning is Supreme Deity

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

Date: 22-04-2024

REPORT

AWARENESS ON ENERGY SAVING DURING SUMMER SEASON

Summer months often bring increased energy consumption, largely due to the widespread use of air conditioning and refrigeration. Rising temperatures can lead to higher electricity bills and strain energy grids. Implementing energy-saving practices during summer not only reduces costs but also helps lower carbon emissions and contributes to environmental sustainability.

Key Areas of Energy Consumption in Summer

1. **Cooling Systems** (Air Conditioners, Fans)
2. **Refrigeration**
3. **Lighting (due to longer daylight but indoor usage)**
4. **Water Heating**
5. **Electronics and Appliances**

Energy-Saving Strategies

1. Optimize Air Conditioning Usage

- **Set thermostats to 24–26°C (75–78°F)** when occupied; turn up when away.
- **Use programmable or smart thermostats** to automate adjustments.
- **Seal leaks in doors and windows** to prevent cool air from escaping.
- **Clean or replace AC filters** monthly for efficient operation.

2. Improve Home or Building Insulation

- **Install reflective window films or shades** to reduce solar heat gain.
- **Use ceiling fans** to circulate air and allow for higher thermostat settings.

3. Leverage Natural Ventilation and Light

- **Open windows during cooler evenings and mornings.**
- **Turn off lights in well-lit areas** during the day.

4. Use Energy-Efficient Appliances

- Choose **Energy Star-rated** appliances.
- Run washing machines and dishwashers during off-peak hours.
- Avoid using the oven; **use microwave or grill instead** to reduce indoor heat.

5. Switch to LED Lighting

- LEDs use **up to 75% less energy** than incandescent bulbs and emit less heat.

6. Reduce Standby Power

- Unplug devices or use **smart power strips** to cut off standby power (phantom loads).

Benefits of Summer Energy Saving

- **Lower utility bills** (up to 30% savings with efficient practices)
- **Extended life of HVAC systems** due to reduced load
- **Reduced environmental impact** through decreased carbon emissions
- **Improved energy security** by reducing demand on power grids

48 Students were participated curiously during the event. Participations will be made at MEC BLOCK MS-12.The picture of the event and glimpses of slides presented were mentioned in the report stated.

Date & Time of Event : 08.04.2025 @ 2:00 PM

Venue : MEC BLOCK MS-12

S. Nani Babu
IE(I) INCHARGE

8/4/25
HOD-EEE

S.No	Roll Number	Name of the student	Signature
1)	23A31A0248	P. Chandra sekhar	P
2.	23A31A0230	G. Balakrishna	G. Bala
3	23A31A0246	N. MOHAN	N. mohan
4	23A31A0244	M. Karthik	M. Karthik
5	24A35A0211	M. Dorababu	M. Dorababu.
6.	24A35A0212	N Sai Srinivas	N.
7	23A31A0233	Ketan Jain	Ketan Jain
8.	23A31A0260	A. Satya ganesh	A. S. ganesh.
9.	23A31A0229	E. Hima Varsha	E. Hima
10.	23A31A0243	M. Kiran	M. Kiran
11.	23A31A0232	K. Venkatesh	Venky
12.	23A31A0237	K. S. Teja Sigh	Surya
13.	23A31A0236	K. V. S. Atchyuth	Atchyuth
14.	24A35A0204	B. Pramodh	Pramodh
15	24A35A0207	E. Shanmuk	Shanmuk
16.	24A35A0205	D. Venkat sai	Venkat
17	23A31A0225	T. G. praveen kumar	
18.	23A31A0250	P. Shekar	
19.	23A31A0227	B. Hari Sundhar	Sundhar
20	23A31A0254	P. Surya Manikanta	Suryakanta

24	24A33A0208	E. S. S. Kiran	E. S. S. K
25	23A31A0250	N. Koushik	N. Koushik
26.	24A35A0206	D. Dharma Teja	D. Dharma Teja
27.	24A35A0209	K. Gnanasairam	K. Gnanasairam
28.	23A31A0226	B. Ajay Reddy	B. Ajay
29	23A31A0257	V. Abhishek	V. Abhishek
30.	22A31A0241	M. Murali Krishna	M. Murali Krishna
31.	22A31A0236	KVS. Achyuth	KVS. Achyuth
32.	23A31A0252	P. Dileep Varma	P. Varma
33	24A35A0210	K. S. S. Narendra	K. S. S. Narendra
34	23A31A0253	Babji	Babji
35	240	Vamsi	Vamsi
36	239	Kiran	Kiran
37	24A31A0204	Ch. Mohana	Mohana
38	24A31A0212	P. Varshitha	Varshitha
39	24A31A0210	K. Vijaya Kumari	Vijaya
40.	24A31A0203	Ch. Varshini	Varshini
41.	24A31A0213	Bhanusri	Bhanu
42.	24A31A0215	P. Satya	Satya
43.	24A31A0206	Anusri	Anusri
44	24A31A0202	B. Hima Sahitya	B. H. Sahitya

45	24A31A0216	S. Geetha Anjali	Geetha
46	24A31A0218	V. Suma	Suma
47	24A31A0208	Komali	Kom
48	24A31A0209	Satya Roja	Roja