



S.A.S. GOVERNMENT DEGREE COLLEGE

(AFFILIATED TO ADIKAVI NANNAYA UNIVERSITY, RAJAMAHENDRAVARAM)

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Brief Introduction

Energy conservation refers to the practice of reducing energy consumption by using energy efficiently and avoiding unnecessary wastage. It plays a vital role in preserving natural resources, reducing environmental pollution, and ensuring sustainable development for future generations. With the increasing demand for energy due to industrialization and population growth, conserving energy has become more important than ever.

Simple measures such as switching off lights and appliances when not in use, using energy-efficient devices, and relying on renewable energy sources can significantly reduce energy consumption. Energy conservation also helps in lowering electricity bills and decreasing greenhouse gas emissions, which are responsible for climate change.

Governments and organizations worldwide promote energy conservation through awareness campaigns and policies. In India, initiatives like Bureau of Energy Efficiency encourage people to adopt energy-saving practices.

In conclusion, energy conservation is essential for protecting the environment, saving resources, and building a sustainable future. Everyone has a responsibility to use energy wisely and contribute to a greener planet.

In continuation with the instructions of APSECM and CHE,AP., an Energy Conservation Cell constituted for implementation of energy conservation strategies.

On this occasion, Energy Conservation Cell, Department of Physics, Botany and Ecoclub conducted Energy conservation Awareness, as a sensitization programme. Dr B Venkatesulu Reddy, Lecturer in Physics explained the needs of energy and its losses due to unusual activities and necessary to control measures. Students then self-narrated their experiences regarding energy difficulties faced by them at home, college, and public places on different occasions. They ensured to conserve as possible, and reduce power wastage, by simple ways.

By the law of conservation of energy, we neither can add fresh energy to the environment, nor can energy die out. Therefore, we should do all that we can to preserve it for the future.

Explaining about the importance of the Solar Energy:

A solar fan is a device that runs using energy from the sun instead of electricity from the power grid. It works with the help of a solar cell, which captures sunlight and converts it into electrical energy. This electricity is then used to run the fan. When sunlight falls on the solar cell, it produces power, and the fan starts rotating without needing any external electricity supply.

The main advantage of a solar fan is that it helps in energy conservation by reducing the use of conventional electricity. It is eco-friendly, cost-effective, and useful in areas where there is limited power supply. By using solar energy, students can understand the importance of renewable resources and how small steps can help protect the environment.

In conclusion, a solar fan is a great example of using natural energy wisely. It teaches us how we can save electricity, reduce pollution, and move towards a sustainable future.

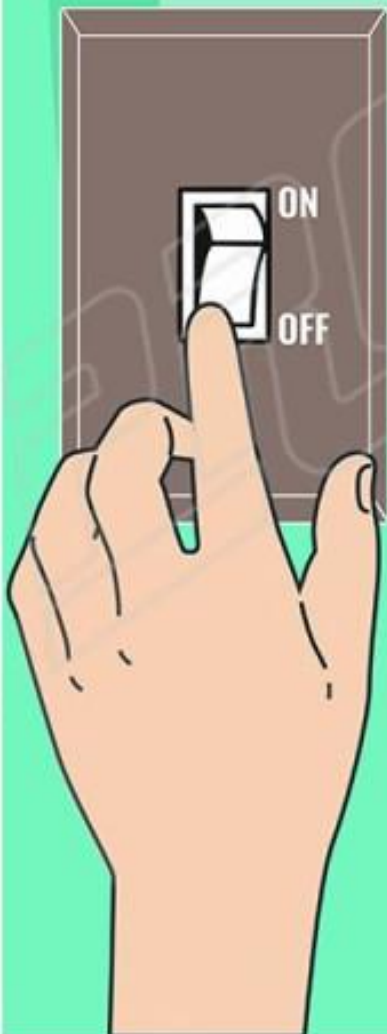




SAVE ENERGY

Don't Waste It

**TURN OF
LIGHT
FAN
AC**





Switch off
Lights ,Fans, Computer
before leaving desk
Save
Electricity



**PLEASE
SWITCH OFF
LIGHT & FAN
WHEN
NOT IN USE**



SAVE ENERGY

Today's ignorance will bring a dark tomorrow.

Switch off lights when not in use—save energy, save future

Turn off the fan before you leave—energy matters

Click ‘Shutdown’ and save power in computer labs

Energy saved today is a brighter tomorrow



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ENVIRONMENT AND ENERGY USAGE POLICY

Introduction:

SAS Govt Degree college recognizes its responsibility to reduce its environmental impact and to promote sustainability. This policy document outlines the institution's commitment to reducing its energy consumption and to promoting sustainable practices.

Goals and Objectives:

Our goals and objectives for environmental and energy policies are:

- To reduce energy consumption.
- To increase the use of renewable energy sources such as solar.
- To promote sustainable practices.
- To comply with all environmental regulations and laws.
- To encourage our staff and students in sustainable practices and encourage them to adopt sustainable behaviors.

. Energy Conservation

SAS Govt Degree college will implement energy conservation measures to reduce energy consumption in all facilities. These measures will include, but not be limited to the following:

- **Energy efficient lighting:** The institution will replace all incandescent bulbs with LED bulbs, which are more energy -efficient and have a longer lifespan.

Renewable energy: The institution will explore the use of renewable energy sources, that is solar energy to supplement its energy needs.

Sustainable practices :

SAS Govt Degree college is committed to promoting sustainable practices in all aspects of its operations. The following measures will be implemented to promote sustainability.

1. **Waste reduction:** The institution will implement waste reduction measures, such as vermicomposting, to reduce the amount of waste generated.
2. **Sustainable transportation:** The institution will encourage the use of sustainable options such as using bicycles, walking and public transportation.

3. Water conservation: The institution will implement water conservation measures, such as landscaping practices and conservation pit.

4. Education and outreach: The institution will educate students, faculty and staff on sustainable practices and encourage them to adopt sustainable behaviors.

Conclusion:

SAS Govt Degree college is committed to reducing its environmental impact and promoting sustainability. This policy document outlines the institution's commitment to energy conservation and sustainable practices. The institution will continue to explore new ways to reduce its environmental impact and promote sustainability in all aspects of its operations.

Action taken:

College installed solar Street Lights and LED bulbs are used maximum in the campus and classrooms. The Eco club of the college is an active and dynamic body to create awareness among the staff and students of the college about environment safety.

The initiatives of Eco club are:

1. Every Saturday of the month is observed as plastic free day
2. No Vehicle day on every last Saturday of month
3. Plantation drives in collaboration with NSS.
4. Establishment of green army to organize and implement various activities and policies.
5. 'implementation of Waste management policy' thorough The activity of dumping garden waste into vermicomposting unit to produce fertile manure.
6. Recycling bins are provided for plastic and paper.
7. "Choose electric, save the earth" motivation campaign to use electric vehicles.
8. Organic farming in the campus.

Achievements:

Sustainable solar energy consumption.

Plantation drives in the campus.

Vermicompost manure is used for college garden to increase the fertility of the soil.

We are successful in creating awareness among students regarding hazardous effects of chemical pesticides and fertilizers on environment.



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PRINCIPAL
SAS GOVT. DEGREE COLLEGE
NARAYANAPURAM
West Godavari District.
Pin: 534 406, Andhra Pradesh





Certificate

HYM International Certifications Pvt. Ltd.

Certified that the Energy Management System of

SRI ARAVINDA SATHAJAYANTHI GOVERNMENT DEGREE COLLEGE

Narayanapuram, Eluru Dist, Andhra Pradesh, India

has been assessed and found to be in accordance with the requirements of the Energy standards

ISO 50001 : 2018

for the following scope of certification

IMPLEMENTATION OF ENERGY SAVING PRACTICES

Further information about the scope of this certificate and applicability of ISO 50001 : 2018 requirements may be obtained by consulting the organization.

Issue Date : 09/04/2023

Renewal Date : 08/04/2026

1st Surveillance 08/04/2024

2nd Surveillance 08/04/2025



Authorised Signature

Certificate No : **En91864140111**

HYM International Certifications Pvt. Ltd

NOTE: This Certificate is Valid From 09/04/2023 to 08/04/2024

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