

DPU

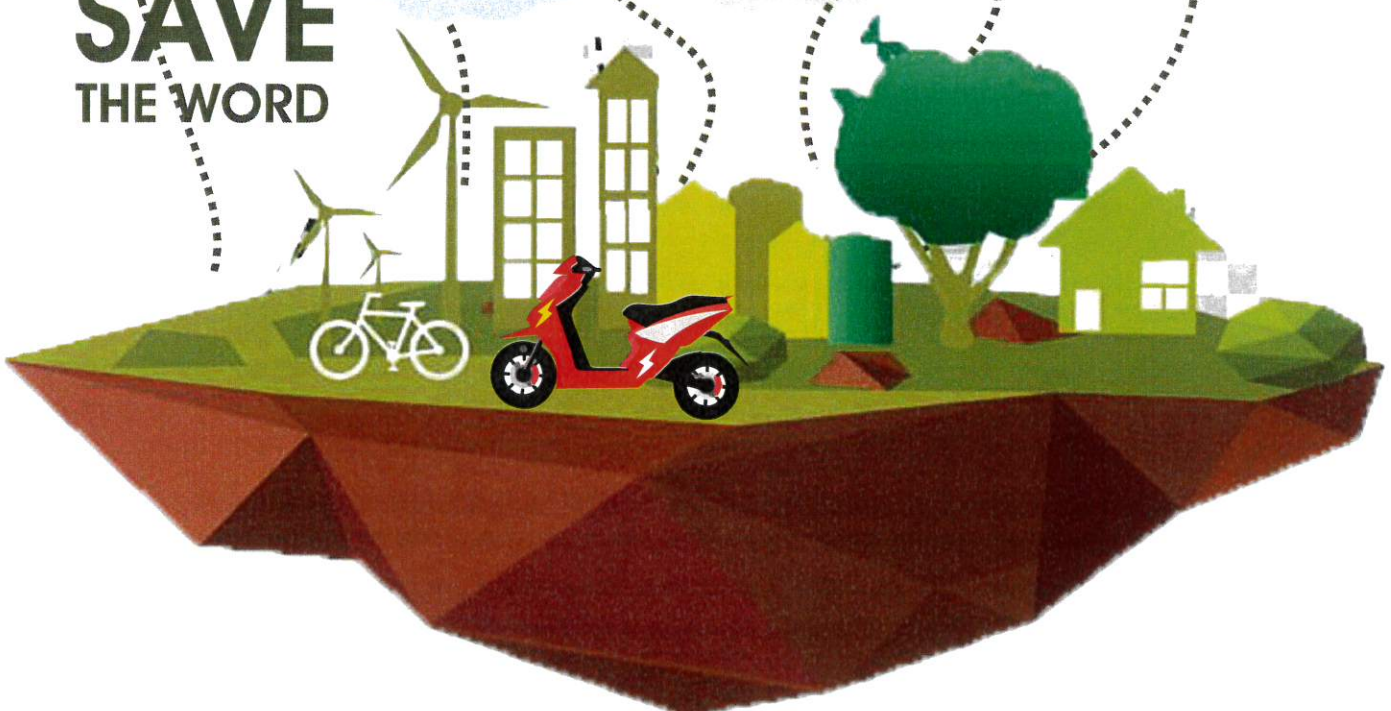
Dr. D. Y. Patil Vidyapeeth, Pune

(Deemed University)

(Accredited by NAAC with 'A' grade)



**Let's
SAVE
THE WORD**



**ENERGY CONSERVATION AND
ENERGY EFFICIENCY POLICY**

Ref No.: DPU/
347(12)CB/2014

Date: 02/06/2014

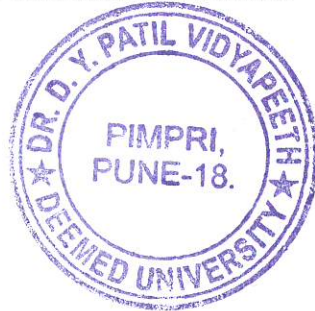
NOTIFICATION

In pursuance of the resolution passed by the Board of Management at its meeting held on 25th April 2014, vide its resolution no. BM-27(iv)-14 and the decision taken by the Vidyapeeth Authorities.

It is hereby notified for information of all concerned that the Dr. D. Y. Patil, Vidyapeeth, Pune has published **Energy Conservation and Energy Efficiency Policy** puts forth activities to be carried-out for reducing energy consumption and improving energy efficiency through environment friendly methods, for your information and record.

This Policy will serve as a guideline for measures to be adopted by Vidyapeeth and all its Constituent Colleges / Institutions / Hostels / Staff Quarters / Canteens / Gardens / Offices. The Policy will be helpful to all the concerned.

This Policy will come into force with immediate effect.



A handwritten signature in blue ink that reads "Suryakar".

(Dr. A. N. Suryakar)
Registrar

Copy to:

1. P.S. to Chancellor for the Kind information of Hon'ble Chancellor, Dr. D. Y. Patil Vidyapeeth, Pune.
2. P. S. to Vice Chancellor for the Kind information of Hon'ble Vice Chancellor, Dr. D. Y. Patil Vidyapeeth, Pune.
3. All the Heads of the Institutes

ENERGY CONSERVATION AND ENERGY EFFICIENCY POLICY OF DPU

WHEREAS Dr. D. Y. Patil Vidyapeeth, Pune popularly known as “DPU”, managed by **Dr. D. Y. Patil Vidyapeeth Society, Pune**, was declared as “Deemed-to-be-University”, under **Section 3 of UGC Act 1956** in 2003. To start with, there was one constituent college i.e. Dr. D. Y. Patil Medical College, Hospital and Research Centre, Pune. Later on a few more constituent colleges were established and / or brought under the ambit of the DPU.

AND WHEREAS today the Vidyapeeth has 7 constituent institutions under its umbrella. All the institutions have the approval / recognition of the relevant statutory bodies to offer UG, PG Degree/Diploma, Super-specialty and Ph.D. programmes in relevant and emerging disciplines, specializations and super specializations.

AND WHEREAS to prescribe the activities to be carried out in its Constituent Colleges / Institutions / Hostels / Hospitals / Canteens / Staff Quarters / Offices for energy conservation & increasing energy efficiency in DPU. Making of such policy will enable the constituent units of the Dr. D.Y. Patil Vidyapeeth to ensure that every individual inside the campus exercise this policy.

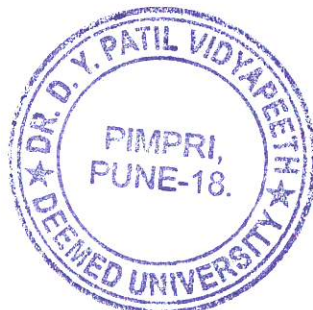
OBJECTIVE

The **Energy Conservation and Energy Efficiency Policy of DPU** puts forth activities to be carried-out for reducing energy consumption and improving energy efficiency in all its Constituent Colleges / Institutions / Hostels / Hospitals / Canteens / Staff Quarters / Offices through methods that are environment friendly.

INTRODUCTION

We as humans consume energy non-stop and in different forms in Colleges / Institutions / Hostels / Hospitals / Canteens / Staff Quarters / Offices, etc. apparently wasting it due to ignorance.

There are mainly two types of energy sources: renewable and non-renewable. Renewable sources involve harnessing energy from the sun, wind and water. Fossil fuels such as coal, oil and natural



A handwritten signature in blue ink, consisting of a stylized 'A' followed by a horizontal line.

gas are non-renewable sources of energy. Humans are dangerously addicted to non-renewable sources of energy which is readily available resulting in increase in greenhouse gas emissions, warming of the planet and climate change.

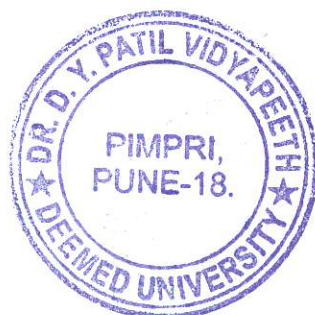

The **Energy Conservation and Energy Efficiency Policy of DPU** highlights on developing a discipline to provide energy efficient responsible and cost-effective operations in all its Constituent Colleges / Institutions / Hostels / Hospitals / Canteens / Staff Quarters / Offices.

Energy consumption can be reduced by two techniques—conservation and efficiency measures. Energy conservation refers to reducing of energy consumption by using less of an energy service. Efficient-energy use refers to using less energy for a constant service. It involves a smart approach in the buildings for natural sunlight, ventilation and maintaining the ideal room temperature. Conducting an energy audit is the first step towards identifying opportunities to reduce energy and related costs.

Under this policy, DPU will continue to implement and upscale the energy efficiency and conservation. In addition, DPU shall identify and develop new initiatives to deploy various energy efficiency and energy conservation measures to capture the untapped potential in its Constituent Colleges / Institutions / Hostels / Hospitals / Canteens / Staff Quarters / Offices. Every College / Institution shall develop a detailed energy efficiency and conservation action plan which will provide a detailed roadmap for all activities envisaged in this policy. Some of these sector-specific programmes through which the energy savings target during policy period can be achieved (including but not limited to the following) are listed below:

**ENERGY USE AND CONSERVATION TECHNIQUES TO BE USED BY
CONSTITUENT COLLEGES / INSTITUTIONS / HOSTELS / HOSPITALS /
CANTEENS / STAFF QUARTERS / OFFICES**

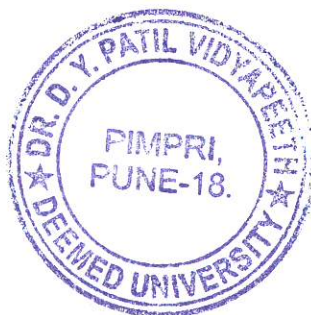
- List ways and equipment's consuming electricity.
- Assess energy conservation opportunities.
- Use of solar energy.



- Install Low energy consumption utilities (LCDs, LEDs, to find out more examples on low energy consumption utilities).
- Installing master switch in all classrooms.
- Switching off Fans / lights, etc. when not in use.
- Use smart materials / Use of Greenhouse effect (e.g. use of glass panels for maximum absorption of heat leading to less consumption of energy for heating and cooling of the building).
- Renovate buildings with false ceilings to reduce heat load.
- Install and maintain centralized system for air conditioning.
- Install double gazed façade, smoke detectors and sprinkler systems.
- Increase visual light transmission.
- Set the Air Conditioner operating temperature to 24° C - 25° C in all Departments as per the BEE guidelines.
- Install Energy Efficient LED Street lights.
- Reducing the energy footprint.
- Improve energy savings in buildings by setting energy performance targets and adopt enabling strategies.
- Take steps to have a solar campus—enhance the use of renewables.
- Promote rooftop solar power in all new and existing residential, commercial, and institutional buildings and link it to reduced use of diesel generator sets.
- Install renewable energy solutions to meet electricity generation equivalent to 5 per cent of the demand load.
- Install sensor-based energy equipment's in classes, laboratories, offices and colleges / institutions.

IMPLEMENT WASTAGE PREVENTION MEASURES

- Switching off electricity and appliances when not in use.
- Substituting old sockets with new ones.
- Using smart grid technologies.
- Prefer commuting through public transports and opt for carpooling to reduce air pollution.

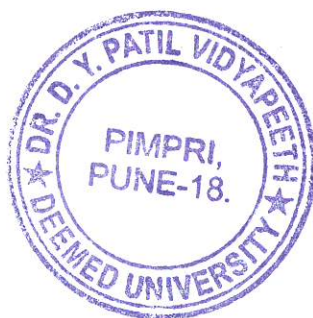


IMPLEMENTATION OF POLICY

- The University shall appoint personnel to look after the provisions of this policy
- Budgetary provisions shall be made by the university to facilitate smooth implementation of policy.
- Oversee implementation of policy
- To develop and recommend update set for each of the priority areas listed above
- Training and education to be encouraged.
- Action group to develop and recommend performance indicators to monitor progress in each area
- To oversee implementation of policy in the university
- To carryout appropriate audits and pilot projects
- Undertake training and awareness programmes for staff, students and community.
- Appropriate units shall propose updation of policy and equipment's from time to time.
- Every unit shall prepare action plans based on their units to implement policy.

ENERGY AUDIT

An Energy Audit to be conducted as and when required to further reduce its carbon footprint. The importance of reducing energy consumption cannot be overstated. The energy audit, with its specialized tools will identify wastage of energy. Such an inspection often reveals several different flaws which cause a loss of significant amounts of energy which the college will not be able to detect. These flaws often have easy and affordable solutions and provide significant savings.



A handwritten signature in blue ink, appearing to read "Suryakar".

(Dr. A. N. Suryakar)
Registrar

DPU

Dr. D. Y. Patil Vidyapeeth, Pune

(Deemed University)

(Accredited by NAAC with 'A' grade)

Sant Tukaram Nagar, Pimpri, Pune - 411 018, Maharashtra, India.
