



Dr. D. Y. PATIL VIDYAPEETH, PIMPRI, PUNE
(Deemed to be University)

(Accredited (3rd Cycle) by NAAC with a CGPA of 3.64 on four point scale at 'A++' Grade)
(Declared as **Category - I University** by UGC Under Graded Autonomy Regulations, 2018)
(An ISO 9001:2015, ISO 14001:2015 Certified University)

Energy Efficiency and Energy Conservation Policy



Amended in 2024

NOTIFICATION

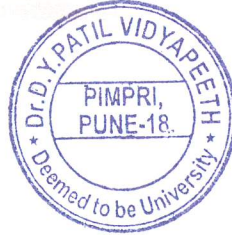
In pursuance of the resolutions passed by the **Executive Council** at its meeting held on **26th June 2024** vide **Resolution No. EC-29(iv)-24**.

It is hereby notified for the information of all concerned that Dr. D. Y. Patil Vidyapeeth, Pimpri, Pune has published "**Revised Energy Conservation and Energy Efficiency Policy (Amended in June, 2024)**" for the Vidyapeeth.

This Revised Policy comprises the following:

- Vision
- Mission
- Policy Statement
- Objectives
- Implementation Guidelines
- Review and Amendments

This Revised Policy will serve as a detailed guideline and will be useful to all concerned. This will come into force with immediate effect.




(Dr. Narendra M. Kadu)
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. P.S. to Pro Vice Chancellor for the Kind information of Hon'ble Pro Vice Chancellor, Dr. D.Y. Patil Vidyapeeth, Pune.
4. Director (IQAC), Dr. D.Y. Patil Vidyapeeth, Pune.
5. Director (Administration: Quality Assurance, Faculty Development & Research), Dr. D. Y. Patil Vidyapeeth, Pune
6. Director (Research), Dr. D.Y. Patil Vidyapeeth, Pune.
7. Controller of Examinations, Dr. D.Y. Patil Vidyapeeth, Pune.
8. Finance Officer, Dr. D.Y. Patil Vidyapeeth, Pune.
9. All the Heads of the Colleges / Institutes of DPU
10. Web master for uploading on DPU website.

Encl: As above

REVISED POLICY ON ENERGY EFFICIENCY AND ENERGY CONSERVATION!

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, a few more constituent colleges were established and/or brought under the ambit of the DPU.

AND WHEREAS today the Vidyapeeth has 14 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 the primary legislation that established the framework for energy efficiency and conservation in India is the Energy Conservation Act, 2001. This act led to the creation of the Bureau of Energy Efficiency (BEE), which is responsible for implementing policies and programs to promote energy efficiency.

AND WHEREAS the Energy Conservation (Amendment) Act, 2010, was enacted to strengthen the framework established by the original Energy Conservation Act of 2001 that broadened the definition of "energy" to include not only electricity but also thermal energy, thus expanding the scope of energy conservation efforts.

AND WHEREAS the Energy Conservation (Amendment) Act, 2022, aims to enhance energy efficiency framework and promote sustainable energy practices in India.

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.

AND WHEREAS, as per the provisions of University Grants Commission (Institution Deemed to be University) Regulations, 2019 in Sub Clause Nos. 10.07 sub-sub clauses 10.07.1 and 10.07.2 provides that the Board of Management shall be the Principal Organ of Management and the Apex Executive Body of the Institution Deemed to be University, with powers to make rules and shall be the final decision-making body in respect of every matter including academic, administrative, personnel, financial, development matters of institution Deemed to be Universities.

AND WHEREAS, as per the provisions of University Grants Commission (Institution Deemed to be University) Regulations, 2023 Clause 11 and Sub Clause No. 11 (3) and 11 (4), Clause 13 and Sub Clause No. 13 (1) and 13 (2) of the Regulations provides that the Executive Council shall be the Principal Organ of Management and the Apex Executive Body of the Institution Deemed to be University, with powers to make rules and shall be the final decision making body in respect of every matter including academic, administrative, personnel, financial, development matters of institution Deemed to be University.

AND WHEREAS, in exercise of the powers conferred under UGC (Institution Deemed to be Universities), Regulations 2023, the Dr. D. Y. Patil Vidyapeeth, Pune (Deemed to be University) hereby makes the Revised **Energy Efficiency and Energy Conservation Policy** for our educational Institutions.

1. INTRODUCTION:

Purpose and Scope:

We at Dr. D.Y Patil, Vidyapeeth, Pune (Deemed to be University) have developed a policy in alignment with SDG 7, and are committed to promoting sustainable energy practices, minimizing greenhouse gas emissions, and reducing energy consumption. This policy outlines our objectives, guidelines, and commitment to fostering a responsible energy culture within our community equitable, and inclusive environment across all our universities, colleges, and institutions and others. Energy efficiency and conservation are vital to achieving environmental sustainability and reducing operational costs.

2. VISION:

Dr. D.Y Patil, Vidyapeeth, Pune (Deemed to be University) has a Vision to create a sustainable and energy-efficient institution that serves as a model for reducing environmental impact, enhancing operational efficiency, and adopting innovative, renewable energy solutions.

3. MISSION:

Dr. D.Y Patil, Vidyapeeth, Pune (Deemed to be University) has a Mission to foster an energy-efficient environment by implementing strategies that reduce consumption, encourage renewable energy use, and promote awareness and engagement among all stakeholders. This mission supports a sustainable future, reducing reliance on non-renewable resources and minimizing environmental impact.

4. POLICY STATEMENT:

The “Dr. D.Y Patil, Vidyapeeth, Pune (Deemed to be University)” Institution is committed to enhancing energy efficiency and promoting conservation efforts that align with institutional goals and regulatory requirements. Through effective energy management and community awareness initiatives, we aim to achieve measurable reductions in energy consumption, enhance operational performance, and fulfil our environmental and social responsibilities.

5. OBJECTIVES:

This policy applies to everyone who are directly & indirectly connected with Dr. D.Y Patil, Vidyapeeth, Pune (Deemed to be University) and Constituent Colleges & Institutes. We aim at:

- Achieving a 20% reduction in energy consumption over the next five years through proactive energy management and technology upgrades.
- Increasing the use of renewable energy sources, aiming for a 30% renewable energy supply within our energy portfolio.
- Engaging staff, students, and stakeholders in energy-saving practices through continuous education and awareness programs.

- Conducting annual energy audits and identify areas for improvement in energy efficiency.
- Ensuring transparency and accountability in energy use, driving industries toward more efficient practices.

The overarching goal of the amendment is to foster a culture of energy efficiency across various sectors in India, aligning with the country's commitments to sustainability and climate action. These measures reflect India's commitment to enhancing energy efficiency, reducing greenhouse gas emissions, and transitioning towards a more sustainable energy future.

6. IMPLEMENTATION GUIDELINES:

Dr. D.Y Patil, Vidyapeeth, Pune (Deemed to be University) has been actively dedicated to translating our energy goals into practical actions that make a tangible difference. Our approach includes a structured series of initiatives designed to foster energy conservation across campus facilities, integrating both operational and infrastructural enhancements. By combining strategic energy management, renewable energy integration, and continuous monitoring, DPU aims to reduce its carbon footprint, optimize resource use, and lead by example in sustainable practices within the workplace and is being practiced across all our University/Colleges & Institutes.

These principles collectively foster an environment where Sustainability, Cost Efficiency, Innovation, and Accountability leads to societal advancement and energy conservations.

- **Energy Audits and Monitoring:** Conduct regular energy audits to identify usage patterns, inefficiencies, and opportunities for conservation.
- **Building Design and Upgrades:** Integrate energy-efficient designs in new buildings and retrofit existing structures with energy-saving features, such as LED lighting, high-efficiency HVAC systems, and solar panels.
- **Renewable Energy Integration:** Invest in renewable energy sources, such as solar and wind, and gradually increase their share in the institution's energy mix.
- **Operational Changes:** Implement strategies like setting energy performance standards, optimizing equipment usage, and implementing automatic lighting and temperature controls in common areas.
- **Awareness and Training:** Educate staff, students, and visitors on best practices for energy conservation and provide training on using energy-efficient tools and resources.
- **Policy Compliance and Reporting:** Develop a reporting system for tracking progress, ensuring accountability, and maintaining transparency in energy use and conservation.

Under this policy, DPU will continue to implement and upscale the energy efficiency and conservation. In addition, DPU has identified and developed 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 has developed 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:

I. 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 glazed 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.

II. 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.

III. IMPLEMENTATION OF POLICY

- The University has appointed personnel to look after the provisions of this policy.
- The University has made budgetary provisions to facilitate the smooth implementation of the policy.
- We Oversee implementations of policy.
- The University has developed and recommended updated set for each of the priority areas listed above.
- Training and education is being continuously encouraged.
- Action groups have developed and recommend performance indicators that monitors progress in each area.
- Appropriate audits and pilot projects are carried out across Universities/Institutes & Constituent Colleges.
- Training and Awareness programmes for staff, students, and community are undertaken.
- Appropriate units propose updation of the policy and equipment's from time to time.
- Every unit prepares action plans based on their units to implement policy.

This structured policy framework ensures that certain principles are embedded in our operations, also DPU not only aligns with global sustainability goals but also demonstrates leadership in responsible energy management and sustainability.

7. REVIEW AND AMENDMENT:

DPU's **Energy Efficiency and Energy Conservation Policy** includes provisions for regular review, amendment, and updates to ensure its continued relevance and effectiveness. Our policy will be reviewed every Two years to ensure its continued relevance and effectiveness. Adjustments may be made based on new technologies, regulatory requirements, and feedback from stakeholders. Updates will be made as necessary to align with institutional goals and advancements in energy management practices.

8. CONCLUSION:

Dr. D.Y Patil, Vidyapeeth (Deemed to be University) as a Higher Education Institution is dedicated and commitment to sustainable energy use. By prioritizing efficient energy practices, reducing waste, and embracing renewable options, we aim to minimize our environmental footprint and contribute positively to the global movement towards sustainable development. This Energy Efficiency and Conservation Policy reflects our institution's commitment for the same.

Implementation Date: 25.04.2014

Revision Date: 26.06.2024

Sd/-

**Dr. Narendra. M. Kadu
Registrar**

DPU

Dr. D. Y. PATIL VIDYAPEETH, PIMPRI, PUNE
(Deemed to be University)