

DPU

DR. D. Y. PATIL VIDYAPEETH (DPU), 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)

ENVIRONMENTAL IMPACT



Environmental Sustainability

REPORT ON TRAINING ON ENVIRONMENTAL ASPECTS OF SUSTAINABILITY

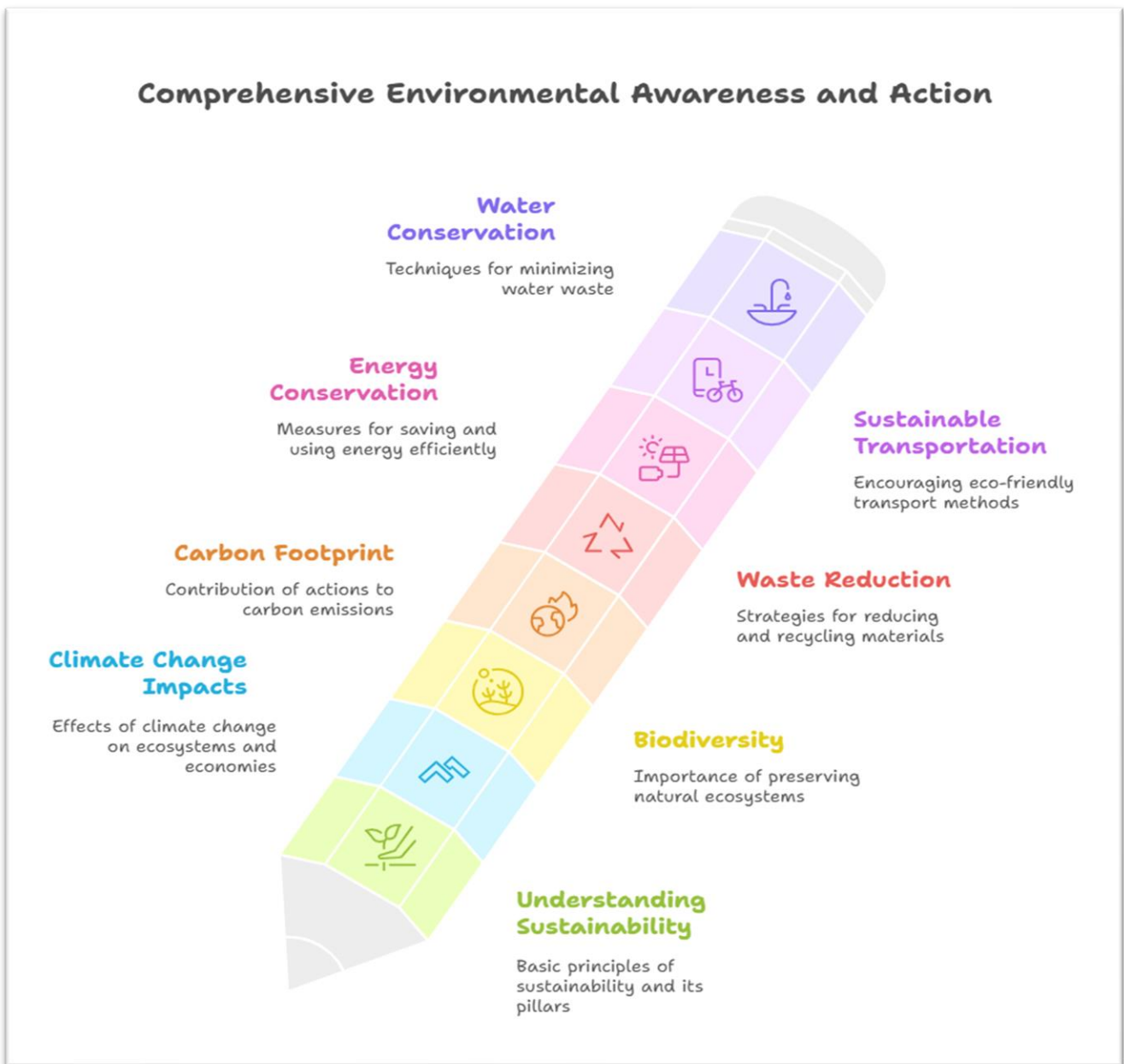
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PREAMBLE

DPU is committed in providing annual training on the environmental aspects of sustainability for both staff and students. This is a part of a larger initiative to foster sustainability awareness and practices across the institution, ensuring that everyone is well-informed on key environmental topics such as climate change, resource management, and sustainable practices.

KEY COMPONENTS OF SUSTAINABILITY TRAINING



1. ENVIRONMENTAL AWARENESS

- **Understanding Sustainability:** The basic principles of sustainability, including the three pillars (economic, social, and environmental sustainability).
- **Climate Change and Its Impacts:** How climate change affects ecosystems, communities, and economies, and the urgency of acting.
- **Biodiversity:** Importance of preserving biodiversity and natural ecosystems.
- **Carbon Footprint:** How individual and collective actions contribute to carbon emissions, and what can be done to reduce them at the institutional level.

2. SUSTAINABLE PRACTICES

- **Waste Reduction:** Strategies for reducing, reusing, and recycling materials in the workplace or campus environment.
- **Energy Conservation:** Educating on energy-saving measures like efficient lighting, reducing energy consumption, and exploring renewable energy sources.
- **Sustainable Transportation:** Encouraging cycling, walking, or using public transport instead of private cars.
- **Water Conservation:** Understanding water usage and how to minimize waste.

3. SUSTAINABLE DEVELOPMENT GOALS (SDGS)

- **Linking Training to the Global Agenda:** Connecting the training to the United Nations SDGs, which include responsible consumption and production, affordable clean energy, and climate action.
- **Institution's Role:** Highlighting how the institution or organization can contribute to achieving the SDGs through sustainable practices in its operations, research, and teaching.

4. PRACTICAL ACTION PLANS

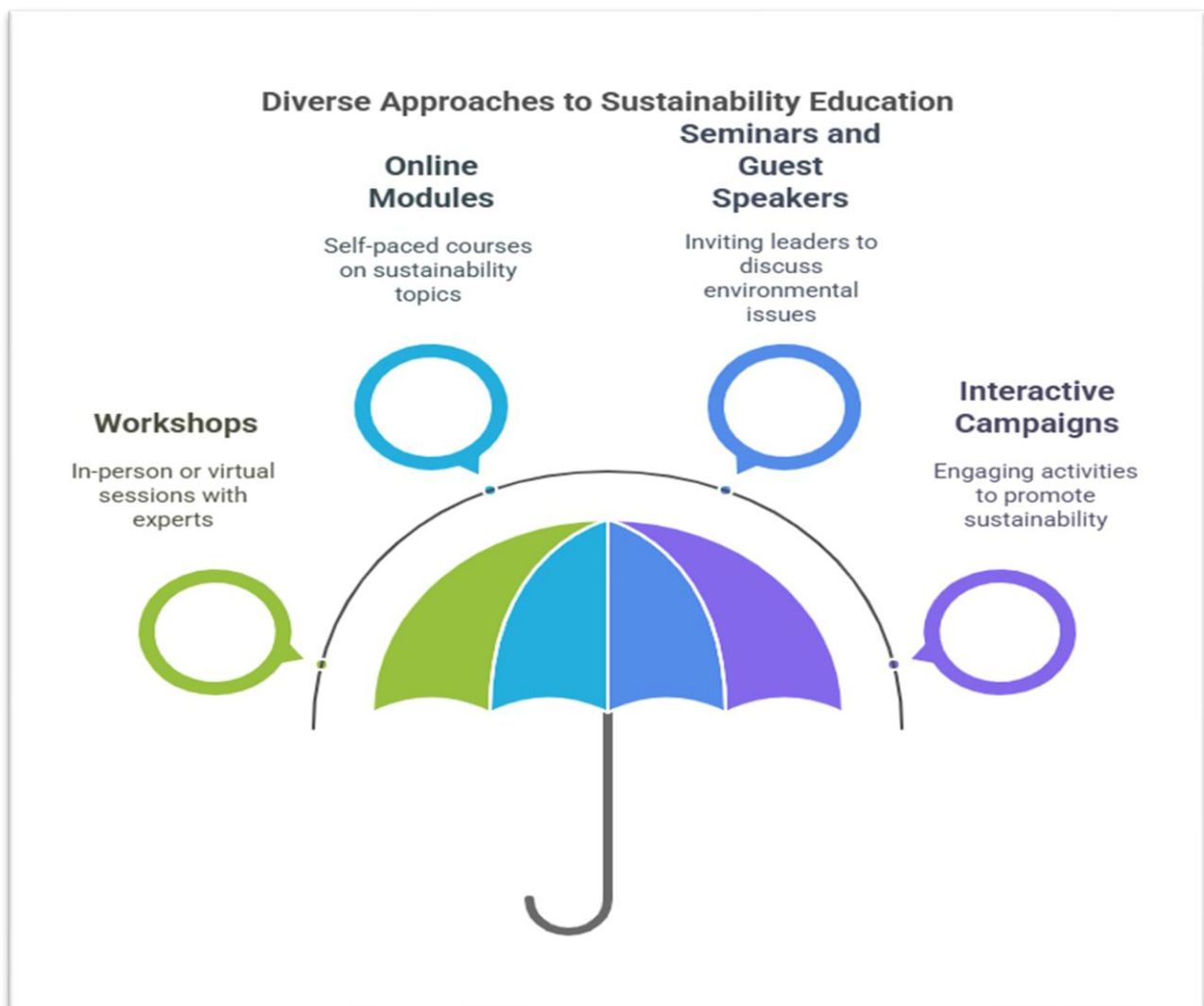
- **Individual Actions:** Encouraging participants to implement sustainable practices in their daily lives—whether that's reducing energy use, choosing sustainable food options, or advocating for greener policies.
- **Group or Organizational Actions:** How staff and students can collectively contribute to environmental sustainability through projects, campaigns, or new initiatives.

5. HANDS-ON WORKSHOPS

- Interactive activities like energy audits, waste assessments, or designing sustainability plans for specific departments or student groups.

TRAINING FORMATS

- **Workshops:** In-person or virtual workshops led by sustainability experts or external consultants.
- **Online Modules:** Self-paced courses covering different aspects of environmental sustainability.
- **Seminars and Guest Speakers:** Inviting sustainability leaders, activists, or researchers to speak on critical environmental topics.



- **Interactive Campaigns:** Promoting challenges or activities, such as reducing paper use, minimizing plastic, or organizing sustainability events on campus.

Assessment and Certification

- **Knowledge Assessment:** Quizzes or assignments to gauge participants' understanding of the material covered in the training.
- **Certification:** Upon successful completion, participants might receive a certificate or recognition, which can be beneficial for career advancement or academic credentials.

Integration with Broader Sustainability Goals

- **Research Projects:** Encouraging students to engage in sustainability research and apply their knowledge to real-world challenges.
- **Community Engagement:** Promoting involvement in sustainability-focused community projects or university sustainability committees.



By fostering an environment where sustainability is not just taught but actively practiced, these training initiatives can help create a more sustainable future, both within the institution and in the broader community.

2) TRAINING PROGRAMME FOR STAFF AND STUDENTS

Objective:

To educate staff and students on the principles of sustainability, the importance of environmental conservation, and practical strategies for reducing their ecological footprint.

- 1) ISO Green campus training and audits (Internal and external audits)
- 2) Orientation sessions
- 3) Workshops and Webinar
- 4) Community engagement through outreach activities.

ISO Green campus training and audits (Internal and external audits)



Subject: Training Programme on “Internal Auditor Course for ISO 9001:2015”

Dear Sir / Madam


I am directed to inform you that, Dr. D. Y. Patil Vidyapeeth, Pune is organizing a “Training Programme on ISO 9001: 2015 Internal Auditor Course” on Tuesday, 25th and Wednesday 26th April, 2023 from 11.00 a.m. to 5.00 p.m. at Lecture Hall No. 1, Dr. D. Y. Patil Dental College, and Hospital, Pimpri, Pune.

The existing Internal Auditors as well as new staff members who are interested in being the Internal Auditors for ISO 9001: 2015 should also attend the said Training Programme.

All Deans / Directors / Principals are requested to intimate all concerned staff members to attend the same, so that a maximum of 70 - 80 staff members shall attend the above said training programme.

NOTE: This training session will be for two days, and the test will be held on the second half of the last day. The certificate of Internal Auditor will be given to those who will attend complete both the days of the training session.

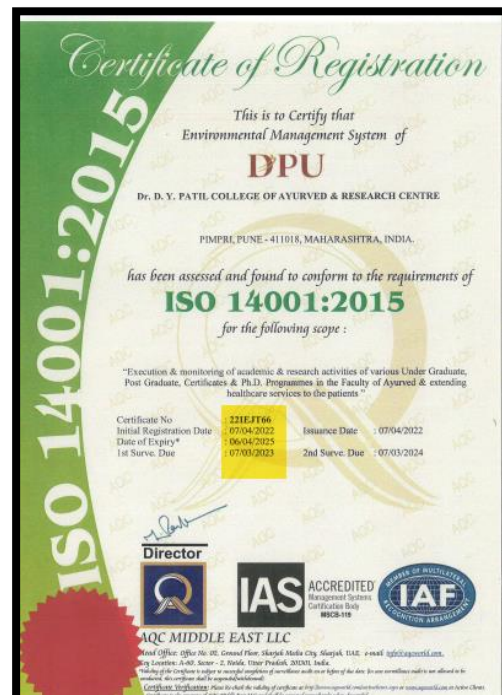
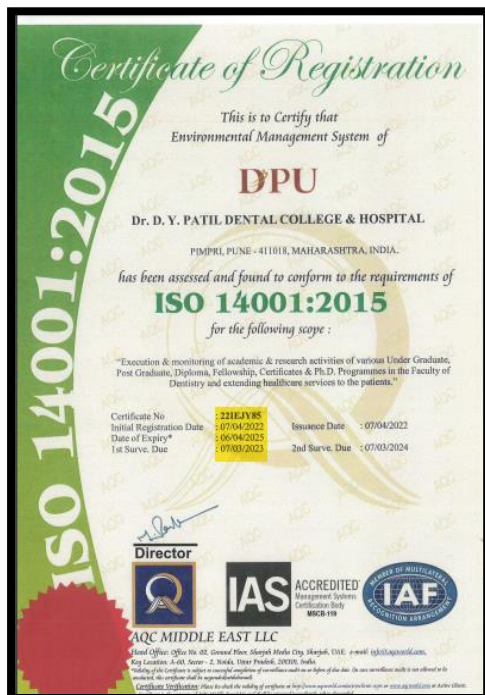
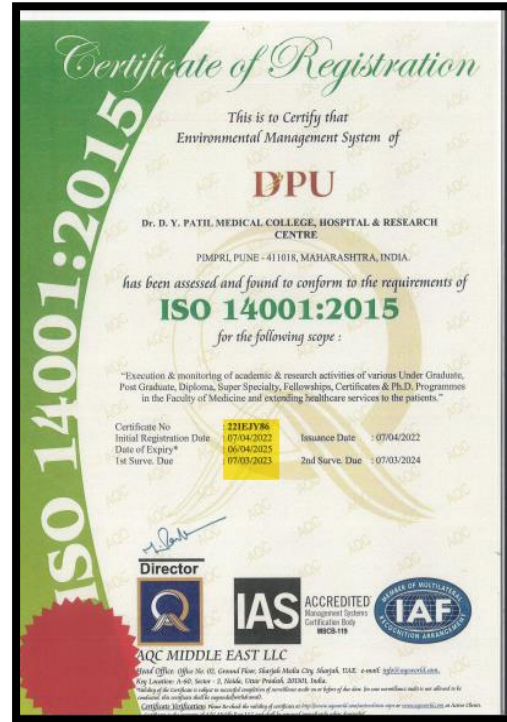
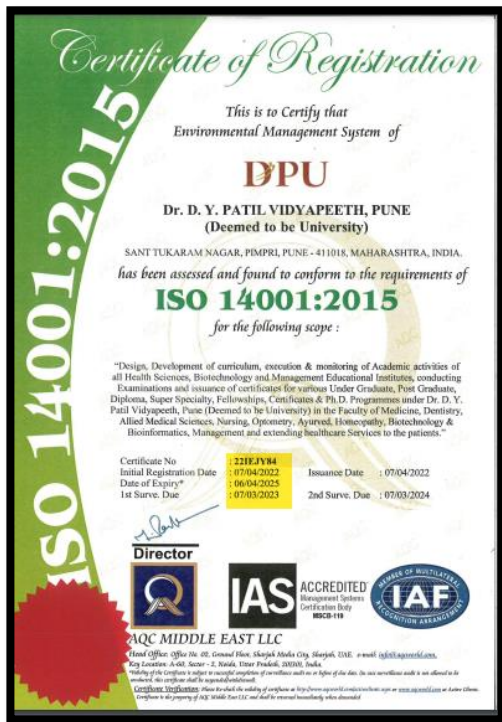
Thanking You.

Yours faithfully

 (Dr. A. N. Suryakar)
 Registrar

ISO training certificate:



ISO 14001:2015 certification



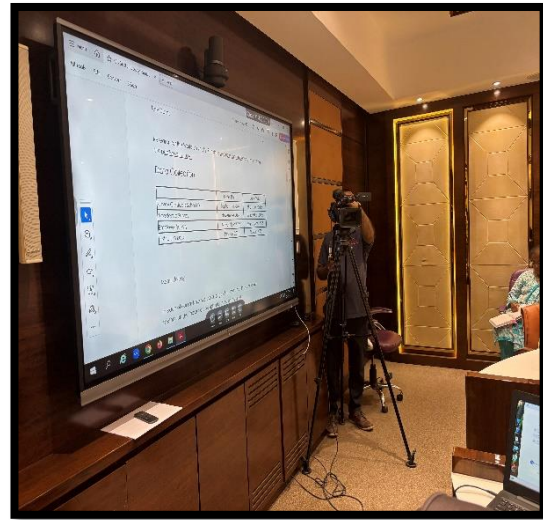
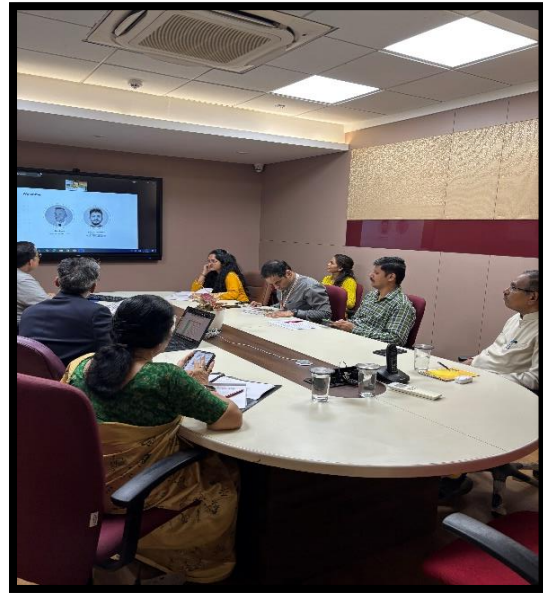
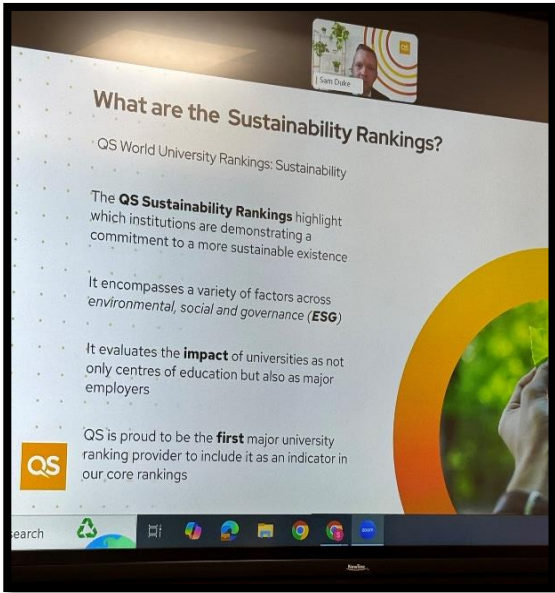
Orientation sessions

DPU provide regular training sessions on sustainability topics for both clinical and non-clinical staff and students annually. Team members from Sustainability committee and IQAC of DPU engages staff through sustainability champions or green teams to foster a culture of sustainability within the institution. At DPU, we are committed to promoting environmental stewardship and sustainability across all levels of our institution. As part of this commitment, we offer regular training sessions on sustainability topics, designed to engage both clinical and non-clinical staff and students. These annual sessions provide valuable learning opportunities for all members ensuring that sustainability becomes an integral part of everyday operations and academic life.

Orientation Session on Sustainability



Online sensitization sessions on sustainability



Training session on CO2 Emission for staff



Awareness Lectures for staff and students on environment sustainability



Industrial visits as part of student training programme for environment sustainability

- The Industrial Expert Session on Interplay of AI & ESG aims to provide participants with a comprehensive understanding of how Artificial Intelligence (AI) can be leveraged to address Environmental, Social, and Governance (ESG) challenges within the IT industry.



- Dr. D. Y. Patil Biotechnology and Bioinformatics Institute, a constituent unit of Dr. D. Y. Patil Vidyapeeth, Pimpri, Pune has organized a one-day educational visit to A-One Biotech & Tissue Culture Pvt Ltd, Talegaon MIDC, Pune. The outdoor educational visit was a part of co-curricular activity and a total of 28 students from First Year M. Sc. Biotechnology program along with two faculty members participated in the visit. The primary objective of industrial visit is to get thorough knowledge of plant tissue culture set up at industrial scale and to understand functioning of various department in the industry.

Photos of visit



3) Workshops and Webinar



DPU organizes various lectures, Conference, workshops targeting various SDGs. Both online and offline sessions are conducted frequently



Conference Regarding Sustainability

Key Sessions

- **Building Endowments for Sustainable Growth**, examining best practices in fundraising for Indian institutions.



Report on participation in Model G20 Initiative - Stage 1: National Level Essay Competition- Online Platform.

India's G20 Presidency would guide the work of the G20 under the theme of “Vasudhaiva Kutumbakam” or “One Earth. One Family. One Future” - drawn from the Sanskrit phrase of the Maha Upanishad, which means "The World Is One Family”.

Dr. D. Y. Patil Biotechnology & Bioinformatics Institute, Pune hosted an essay writing competition that was organized under the **Model G20 Summit Initiative**. Model G-20 is an initiative supported by the Ministry of Education, Gol and organized by the **Indian Institute of Technology, Hyderabad** in association with Indian National Young Academy of Sciences (INYAS) to engage students from all 50K+ degree colleges/ universities/ technical Institutions in a dialogue and hence, provide exposure and insights into the nuances of multilateral discourse on global challenges and pressing policy issues of the current times.

The Model G-20 initiative will be implemented in 3 states as follows

Stage 1: Essay writing competition at the college level,

Stage 2: Debate competition at zonal level and

Stage 3: Elocution competition at the national level

Participation of students in G20 Events:



4) Community engagement

Dr. D. Y. Patil Vidyapeeth, Pune, is dedicated to advancing the United Nations' Sustainable Development Goals (SDGs), particularly SDG-3: Good Health and Well-being. As a leading health sciences institution, the Vidyapeeth places a strong emphasis on improving health outcomes and promoting holistic well-being for the local community. Through a comprehensive range of outreach programs, health awareness campaigns, and preventive healthcare initiatives, the university has made significant contributions towards improving public health, with a special focus on underserved and rural populations.

In the academic year 2023-2024, the Vidyapeeth organized 289 community outreach and extension activities, directly benefiting over 44,952 individuals and involving more than 5,436 student volunteers.

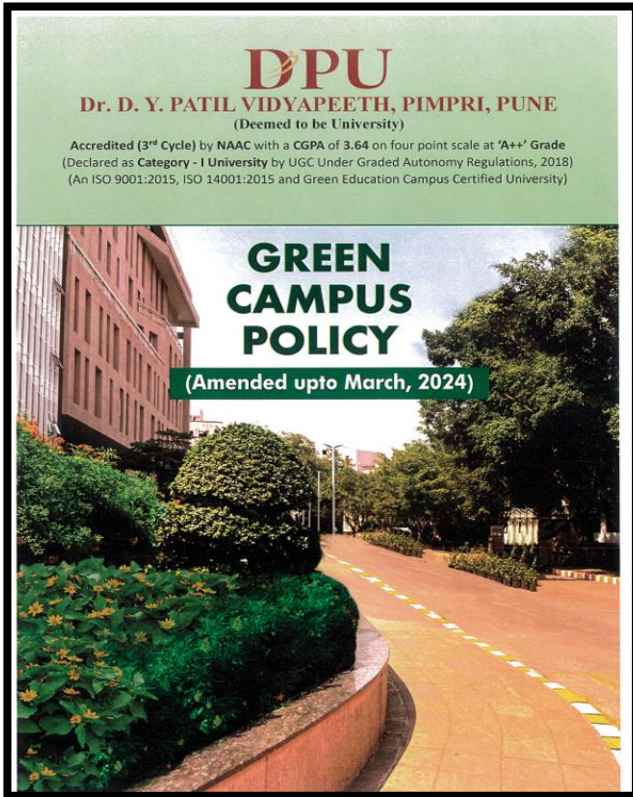
The university's outreach programs also emphasize the importance of hygiene, sanitation, and environmental health, as seen in campaigns such as the **Swachhata Abhiyan and World Environment Day**, where community members are educated on waste management, water sanitation, and reducing environmental hazards that impact health.



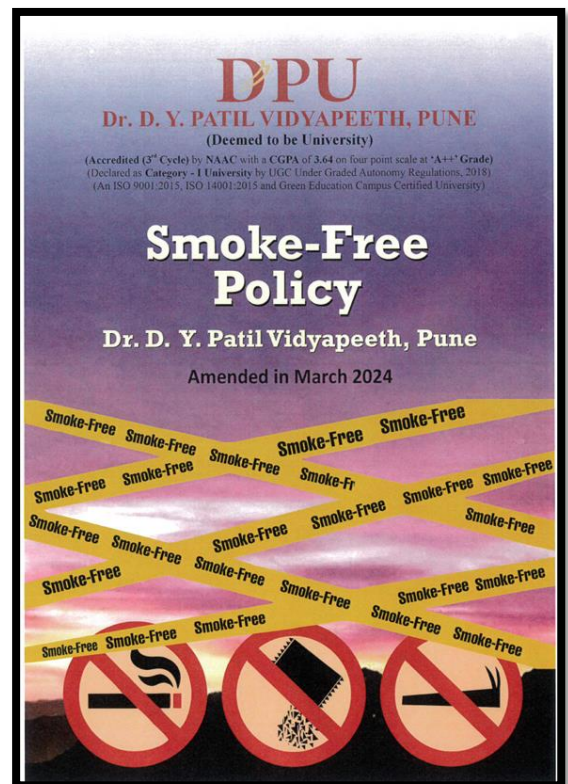
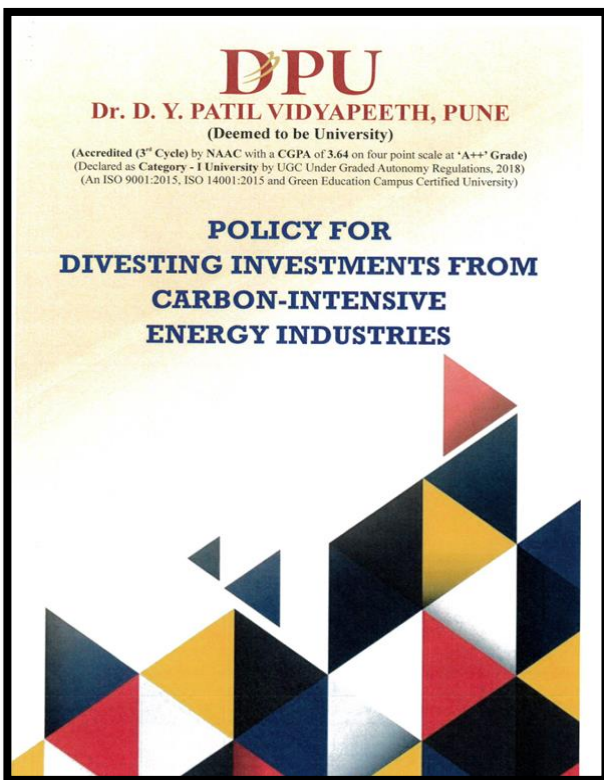
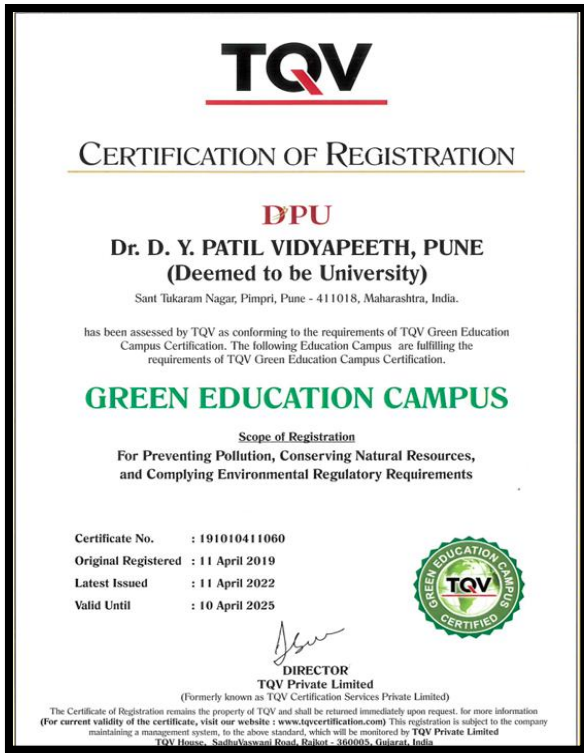


5)Certificates and awards

Dr. D. Y. Patil Vidyapeeth (DPU), Pune, is committed to creating a sustainable and environmentally responsible campus environment through its Green Campus Policy, aiming to promote environmentally responsible practices and education.



CERTIFICATES AND POLICIES:



Second edition

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DPU
 Dr. D.Y. Patil Institute of Technology

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ICSTCE 2024 Proceedings will be published by the Institute of EDP Sciences Publishing
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EFOT
 ENVIRONMENT FRIENDLY OT
 CERTIFIED BY BUREAU VERITAS

DPU PRIVATE SUPER SPECIALTY HOSPITAL
 (A Unit of Dr. D.Y. Patil Medical College, Hospital & Research Centre)
 PUNE

We're a certified "Green Hospital" by AHPI

Our Eco-Friendly Operation Theatres, certified by Bureau Veritas, showcase our dedication to a **Sustainable and Greener Future.**

Key features of DPU's SDG-focused education:

- Dr. D. Y. Patil Vidyapeeth has integrated sustainable development goals (SDGs) into its educational framework, ensuring comprehensive capacity-building for students, faculty, and staff. Through a holistic approach, DPU incorporates SDG-relevant content into curricula across disciplines, fostering interdisciplinary understanding and practical skills for sustainable development. Interactive and experiential learning methods, such as case studies, simulations, and collaborative projects, enable students to tackle real-world challenges.
- Cross disciplinary training programs emphasize the interconnectedness of sdgs, while faculty development and training initiatives empower educators to effectively integrate sdgs into teaching, research, and community engagement. Key features of DPU's SDG-focused education include vertical and horizontal integration of SDG-themed courses on environmental sustainability such as experiential learning and problem-based education and cross-disciplinary training programs.

BLOGS BY STAFF AND STUDENTS:

Bio Packaging | **Bio Layering** | **Sustainable Packaging**

Sustainable Health and Environment: The Future of Bio-layering and Bio-packaging

DPU Biotechnology and Bioinformatics Institute

Sustainable Health and Environment The Future of Bio-Layering and Bio-Packaging

Explore how bio-layering and bio-packaging enhance health, reduce plastic waste, and promote sustainability with innovative biodegradable materials.

TURNING LAB-WASTE INTO GREEN GOLD: Agar-Based Biodegradable Films

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Biotechnological Production of Amylase: A Game-Changer in Industrial Processes

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The Potential of Bioalcohol from Waste: A Sustainable Energy Solution

DPU Biotechnology and Bioinformatics Institute

The Potential of Bioalcohol From Waste
a Sustainable Energy Solution



Explore how bioalcohol production from waste offers a sustainable energy solution, addressing

Microalgae Liquid Trees | Urban Air Purification | Sustainable Technology

Microalgae : Future of Urban Air Purification

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MICROALGAE
Future of Urban Air Purification

Explore microalgae system, a revolutionary technology for cleaner air in cities. Their power, benefits, challenges, and exciting future they hold.

6) CONCLUSION:

Sustainability is not just a concept but a commitment to responsible practices that protect our environment, conserve resources, and promote a healthier planet for future generations. DPU commits to being responsible stewards of our environment and driving positive change for a more sustainable future.