

7 AFFORDABLE AND CLEAN ENERGY



Dhanalakshmi Srinivasan University (DSU) is pleased to present its annual report for 2023, highlighting our steadfast commitment to Sustainable Development Goal 7 - Affordable and Clean Energy. This comprehensive report outlines our initiatives, achievements, and contributions towards ensuring access to affordable, reliable, sustainable, and modern energy for all.

Sustainable Campus Energy Practices: DSU continues to prioritize sustainable energy practices on campus. The institution actively invests in energy-efficient technologies, including LED lighting, smart building systems, and renewable energy sources, to reduce the carbon footprint and contribute to a cleaner and more sustainable energy environment. **Renewable Energy Sources:** A significant milestone for DSU in the pursuit of SDG 7 is the integration of renewable energy sources. Solar panels are being currently installed across campus buildings to harness solar power, contributing to the generation of clean energy and reducing dependence on traditional energy sources.

Energy Conservation Awareness: DSU remains committed to promoting energy conservation awareness among students, faculty, and staff. Regular awareness campaigns, workshops, and educational programs emphasize the importance of responsible energy use and highlight the benefits of adopting energy-efficient practices. **Research and Innovation in Energy:** DSU actively engages in research and innovation related to energy efficiency and renewable energy. Faculty and students collaborate on projects that explore sustainable energy solutions, contributing to the advancement of knowledge in the field and promoting a culture of innovation.

Community Outreach: Recognizing the broader impact of energy practices on the community, DSU extends its commitment beyond campus borders. Collaborative initiatives with local communities focus on raising awareness about clean and affordable energy options, empowering individuals to adopt sustainable practices in their homes and businesses.

Future Plans:

Expand the use of renewable energy sources on campus.

Implement additional energy-efficient technologies.

Strengthen energy conservation awareness programs.

Foster research and innovation in sustainable energy solutions.

Collaborate with local communities for broader adoption of clean energy practices.

Dhanalakshmi Srinivasan University's commitment to Sustainable Development Goal 7 - Affordable and Clean Energy is evident through our sustainable campus energy practices, integration of renewable energy sources, energy conservation awareness initiatives, research and innovation in energy, and community outreach. DSU remains dedicated to advancing a cleaner and more sustainable energy future for all. **"Annexure SDG-7"** lists out various events and programmes organized and activities carried out by DSU pertinent to SDG-7.

Annexure SDG-7

Date of Event	Name of Event	Organizing School
01-12-2022	Expert talk on Emerging trends in Nano technology	SET
20-01-2022	Technology and Market Potential of e-Vehicle in India	SET
02-12-2022	National Pollution Control Day	SET
14-12-2022	National Energy Conservation Day	SET
23-12-2022	Inauguration of Robotics Club	SET
3-1-2023	Recent Innovations on Internet of Things (IoT)	SET
25-1-2023	IETE Students Forum (IFS)	SET
27-1-2023	Artificial Intelligence club	SET
28-1-2023	Heating Ventilating and Air Conditioning (HVAC) Club & Invited Lecture, Introduction to ISHRAE	SET
7-2-2023	TECHSET-2K23	SET
24-4-2023	Application of mathematics in engineering field	SET
24-4-2023	Fundamentals of Automation System using Embedded System	SET
06-05-2023	IIT Madras Incubation Cell at IIT-M Research Park, Chennai	SET
11-05-2023	National Technology Day 2k23	SET
17-05-2023	Computational Mathematics in Engineering and Technology	SET
31-05-2023	Laser Physics and its Applications in Surgery	SET
02-06-2023	Field Trip to National Institute of Food Technology, Entrepreneurship and Management, Thanjavur (NIFTEM-T)	SET
10-06-2023	One day Workshop on Intellectual property rights, start-up and innovation	SET
16-06-2023	One day workshop on “Recent Trends in Machine Learning”	SET
28-06-2023	Two-day boot camp: “Prompt Engineering with ChatGPT”	SET
11-07-2023	Cyber Club Inauguration	SET
12-07-2023	A half-day session on “Innovation and Startup Ecosystem Enablers”	SET
15-09-2023	National Engineers Day-2023	SET
26-9-2023	Value added course on "Basic Life Support"	SET
27-9-2023	Faculty Development Program on "Effective Utilization of Interactive Smart Panel for Teaching"	SET
10-10-2023	One day Hands on Workshop on "Network Simulation"	SET
16-10-2023	Institution's Innovation Day: Birth Anniversary of Dr. APJ Abdul Kalam	SET
26-10-2023	Invited Seminar on “Applications of Mathematics in Engineering”	SET
31-10-2023	A workshop on "Building employability skillsets	SET
02-05-2023	“Precision Agro club”	SAS
25-02-2023	National Science Day – Science Expo 2K23	AHS
13-04-2023	“Environmental Day”	AHS
11-05-2023	National Technology Day 2023, the theme ‘School to Startups-Igniting Young Minds to Innovate’ ideas	AHS
07-07-2023	Tree Planting - Department of Community Medicine	SMCH
24-02-2023	An Invited Lecture on “Success Stories of Entrepreneurs”	SOM
30-01-2023	Industrial Visit	SOP
28-02-2023	Science day	SOP