

SDG 7

Goal 7:

Ensure access to
affordable, reliable,
sustainable and
modern energy for all.



SDG 7 Affordable & Clean Energy

The University campuses are eco-friendly, landscaped and plastic-free. A clean source of energy is being utilized at the campus through solar water heaters and electrical systems. The University has implemented LED/sensor-based lighting systems and other power-efficient equipment as energy conservation measures

The University uses rainwater harvesting and wastewater recycling systems as water conservation measures to promote the sustainable use of water resources.

SMU puts efforts towards Carbon Neutrality by the restricting entry of automobiles as per policy, ban on the use of plastic, promoting battery-powered vehicles and landscaping the campus with trees and plants. The University has carried out an environmental audit of its campuses. SMU has received the “Swachha Bharat Internship:2019-20” award for 1st place in the state of

Sikkim



Solar Plant at Academic block at Engineering Campus



Solar Heater at Hostel



Sensor-based street light system at engineering campus



Sensor (Timer) based street light



Automatic Doors in sensor-based escalators



Power-efficient LED light at VC secretariat



Power-efficient LED light at the office

Report

on

Plantation Drive

(Ek Ped Maa Ke Naam)

18/09/2024

NSS, Sikkim Manipal University conducted a Plantation Drive in the University campus on 18th September 2024 under the Campaign “Ek Ped Maa Ke Naam” (एक पेड़ माँ के नाम) to mark the Birth Anniversary of Padma Bhushan Awardee Dr Ram Das M. Pai, Founding Pro-Chancellor, Sikkim Manipal University. The Drive started at 11 a.m. with a short briefing session wherein Hon’ble Vice Chancellor spoke about Dr Ram Das M. Pai and his contribution to the Education sector. Hon’ble Vice Chancellor also spoke about the importance of plantation drive towards Environmental protection, Biodiversity and Habitat Creation and Combatting Climate Change. The day witnessed planting of plants in the University campus. Hon’ble Vice Chancellor SMU; Registrar, SMU; Dean, SMIMS; HR Head; Programme Coordinator, NSS, SMU; Nodal Officers of different Units, NSS, SMU; Convenor, FHSSLA and NSS volunteers took part in the event.

Some Glimpses of the Event



SMU SIKKIM
MANIPAL
UNIVERSITY

Established under Govt. of Sikkim, Act 9 of 1985, recognized under 2(f) of the UGC Act, 1956





Talk on "Sustainability and its Impact"

On 22nd August, 2024, the TP&IL in collaboration with JLL, organized an insightful tech-talk on "Sustainability and Its Impact." The Speaker for the event was Mrs. Umit Bhatia, Sr. Director, Sustainability Delivery Management, JLL.

Event Details	
TITLE/NAME OF EVENT	Talk on "Sustainability and its Impact"
ORGANIZED BY (DEPT/(CLUB/BODY ETC))	TP&IL
UNDER THE BANNER OF (DEPT./OFFICE/CELL ETC)	TP&IL
COLLABORATION WITH	JLL (Jones Lang LaSalle Incorporated)
STUDENT EVENT	YES
EXTERNALLY FUNDED	NO
IF EXTERNALLY FUNDED, THEN NAME OF FUNDING AGENCY	NO
NATURE	Internal Participants
NO. OF PARTICIPANTS	99 (84-Students, 15-Faculty)
INTERNAL	99 (84-Students, 15-Faculty)
EXTERNAL	NONE



MODE	OFFLINE
IF ONLINE PROVIDE LINK	NA
DATE FROM	22nd August, 2024
DATE TO	22nd August, 2024
PLACE OF EVENT	SMIT
COORDINATOR	TP&IL
ATTACH LIST OF PARTICIPANTS	Below

RESOURCE PERSON:

Sl. No.	Name	Affiliation
1	Mrs. Umit Bhatia	Sr. Director, Sustainability Delivery Management, JLL

On 22nd August, 2024, the TP&IL in collaboration with JLL, organized an insightful tech-talk on "Sustainability and Its Impact." The Speaker for the event was Mrs. Umit Bhatia, Sr. Director, Sustainability Delivery Management, JLL. Her talk aimed to shed light on the crucial role of sustainability in shaping the future of society, the economy, and the environment. The speaker began the talk by defining sustainability and emphasizing its importance in the contemporary world. She also explained the concept of sustainability, focusing on the Triple Bottom Line approach, which includes environmental, social, and economic dimensions. Following the presentation, the participants engaged in an interactive Q&A session, where attendees had the opportunity to ask questions and share their perspectives. The discussion touched on various aspects of sustainability, including the role of technology in driving sustainable development and the importance of education in fostering a culture of sustainability. The talk was

attended by students, faculty members, all keen to gain a deeper understanding of sustainability practices and their implications.



Webinar in "Innovations in Solar Photovoltaics: R&D Perspectives."

03 Aug 2024:

On 03.08.2024, the Department of Physics at Sikkim Manipal Institute of Technology hosted a webinar in "Innovations in Solar Photovoltaics: R&D Perspectives." Aimed at research scholars, faculty, and students...

EVENT REPORT

Sl. No.	Details
1	Title of Event: Webinar in "Innovations in Solar Photovoltaics: R&D Perspectives."
2	Organized By (Dept/Club/Body): Dept. of Physics, IIC, E-Cell SMIT, and SPIRE (Departmental Student Society)
3	Under the Banner of (Dept./Office/Cell): Dept. of Physics, IIC, E-Cell SMIT, and SPIRE (Departmental Student Society)
4	Student Event: Yes
5	Externally Funded: No
6	If Externally Funded, Then Name of Funding Agency: N/A
7	Nature: Internal Participants
8	No. of Participants: 34
9A	Internal: 34

9B	External: NIL
10	Mode: OFFLINE
10A	If Online, Provide Link: N/A
11A	Date From: 03.08.2024
11B	Date To: 03.08.2024
12	Coordinator: Dr. Sanat Kumar Das

Resource Person:

Dr. Dip Prakash Samajdar, Assistant Professor, Department of Electronics and Communication Engineering, PDPM Indian Institute of Information Technology, Design and Manufacturing Technology (IIITDM) Jabalpur, India

Brief Description/Report

On 03.08.2024, the Department of Physics at Sikkim Manipal Institute of Technology hosted a webinar on "Innovations in Solar Photovoltaics: R&D Perspectives." Aimed at research scholars, faculty, and students, the event featured prominent experts discussing the latest innovations and research in the field.

Key Highlights:

- Insights into new materials such as perovskite and tandem cells catering to the needs of global energy demand.
- Recent breakthroughs in photovoltaic efficiency and cost.
- Exploration of future research opportunities and integration with other renewable technologies.

The webinar included interactive Q&A sessions, allowing participants to engage directly with experts. Feedback indicated that attendees found the event highly informative and engaging.

Overall, the webinar successfully provided valuable knowledge and enlightened young minds about the present scenario and future advancements in solar photovoltaics.



