CAREER POINT UNIVERSITY



13 CLIMATE ACTION

CLIMATE ACTION

Is Humanity's "Code Red" Warning

GOAL 13

CLIMATE ACTION

Take urgent action to combat climate change and its impacts

Message from the Vice Chancellor

It gives me immense pleasure to present Career Point University's report on SDG 13 – Climate Action, part of our series documenting the University's commitment to the United Nations Sustainable Development Goals.

At Career Point University, we believe that a university's responsibility extends far beyond the classroom. Education must prepare young minds not only for careers, but for citizenship — to understand the challenges facing our communities, our nation and our planet, and to act on them with knowledge, empathy and integrity. The Sustainable Development Goals give us a shared framework for this purpose, and we have consciously woven them into our teaching, research, campus operations and community outreach.

Through climate education, research and green campus initiatives, we are committed to building awareness and resilience in the face of climate change.

This report brings together the efforts of our faculty, researchers, students and staff during 2025 — through academic programmes and courses, research publications, policies, campus initiatives and partnerships with local communities and institutions in Kota and across Rajasthan. Each of these reflects our belief that meaningful change begins with sustained, collective action at the local level.

I am proud of what our University community has achieved, and equally aware that much remains to be done. We see this report not as a conclusion, but as a benchmark against which we will measure our progress in the years ahead. I extend my sincere appreciation to everyone who contributed to these initiatives and to the preparation of this report, and I invite all our stakeholders to join us in building a more just, inclusive and sustainable future.

Prof.(Dr.) Mayank Saxena
Vice Chancellor
Career Point University, Kota

Goal 13: Climate Action

The Sustainable Development Goal of Climate Action has five targets and eight indicators. It calls for urgent action to cut greenhouse-gas emissions, build resilience to climate-related hazards, bring climate measures into policy and planning, and raise awareness and capacity to respond to climate change.

Career Point University (CPU), Kota contributes to SDG 13 through teaching on climate and environment, research on emissions, agroforestry, climate-resilient crops and forest fires, plantation drives, and awareness programmes on environmental issues.

The five targets of SDG 13

13.1
Resilience and adaptive capacity
Strengthen resilience and adaptive capacity to climate-related hazards and natural disasters.

13.2
Climate policy
Integrate climate change measures into policies, strategies and planning.

13.3
Education and awareness
Improve education, awareness-raising and capacity on mitigation, adaptation and early warning.

13.a
Climate finance
Mobilise climate finance for developing countries (UNFCCC commitment).

13.b
Planning capacity
Raise capacity for climate planning and management in least developed countries and small island states.

CPU at a glance – SDG 13

11	6	3	4
courses aligned to SDG 13	climate-related papers 2023–2025	book chapters (2025)	campus and field activities (2025)



Earth Day photograph

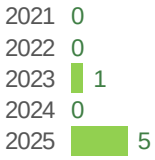
1 Teaching and Learning

CPU builds climate and environment awareness into its geography, environmental science, ecology, law and physics curricula. 11 courses cover climate systems, climate change impacts, environmental regulation and renewable energy.

Code	Course	Target	How it relates to the SDG
GEL501	Physical Geography	13.1	Atmosphere, weather and climate; climatic hazards
GEL502	Environment Geography	13.3	Global warming, climate change and its impacts
GEL503	Environmental Studies	13.3	Climate change, greenhouse gases and mitigation awareness
ENL041	Environment Studies	13.3	Climate change, ozone depletion and sustainable practices
GEL602	Geography of Rajasthan	13.1	Arid climate, drought and desertification risk
GEL702	Geography of India	13.1	Monsoon, climate regions and climatic hazards
LBL514	Environmental Law	13.2	Legal and policy frameworks for pollution and climate protection
BOL702	Plant Ecology and Phytogeography	13.1	Climate–vegetation relationships and ecosystem response
ZOL704	Ecology and Environment	13.3	Ecosystem change, pollution and environmental balance
PHL820	Renewable Energy Studies	13.2	Solar, wind and bio-energy as low-carbon alternatives
PHL904	Energy Studies	13.2	Energy sources, efficiency and low-carbon transition

2 Research

Climate-related papers by year, 2021–2025:



Source: CPU Research Cell

Publications

Greenhouse Gas Emissions from Agricultural Practices: A Review
Niranjana Saini, Rohitashv Nagar | Career Point Int. Journal of Research (CPIJR) | Jan–Mar 2025

Agro-forestry Systems: Benefits, Challenges, and Future Prospects
Jitendra Nagar, Rohitashv Nagar | Career Point Int. Journal of Research (CPIJR) | 2025

Advances in Crop Breeding Techniques for Stress Tolerance
Kapil Nagar, Rohitashv Nagar | Career Point Int. Journal of Research (CPIJR) | 2025

Airborne Pollutants and Soil Contamination on Agricultural Landscape of Kali Sindh Thermal Power Plant (KATPP), Jhalawar: Impact of Industrial…
Dr. Arun Sharma | Int. Journal of Science, Architecture, Technology, and Environment | 2025

Forest Fires and Unscientific Mining: Their Environmental Impact in Bilaspur District, Himachal Pradesh
Rajender Kumar (research scholar) | Journal of Research and Development | April 2025

Potential and Status of Biogas Production in Rural Areas: A Case Study of Ghumarwin Development Block
Rajender Kumar (research scholar) | Int. Journal of Multidisciplinary Research and Development | 2023

Book chapters

S. No.	Author(s)	Title of Book Chapter	Year	ISBN
1	Dr. Rohit Kumar	Environment and Sustainable Development: A Theoretical Framework	2024	978-81-972751-7-3
2	Dr. Priti Sharma	Sustainable Development	2024	978-81-972751-7-3
3	Ms. Kriti Tripathi	Atmospheric Chemistry and Climate Change	2024	978-81-97169304
4	Dr. Surabhi Singh & Insha	Chemical Processes for the Formation of Inorganic and Organic Particulate Matter in Atmosphere	2024	978-81-97169304
5	Dr. Surabhi Singh & Insha	Environmental in Atmosphere	2024	978-81-97169304
6	Dr. Arun Sharma	The Impact of Various Environmental Pollutants on the Earth's Atmosphere	2024	978-81-97169304
7	Dr. Surabhi Singh & Insha	Thermochemical and Photochemical Reactions in the Atmosphere	2024	978-81-97169304
8	Rohitashv Nagar, Deepak Nagar, Narendra Bhinda, Prakash Chand Choudhary	Climate Change's Effects on the Biodiversity of Agroecosystems: An Overview	2024	978-81-972154-9-0
9	Mr. Naman Paliwal, Dr. Chetan Kumar Nagar	Climate and Environmental Factors	2024	978-81-972154-4-5
10	Rohitashv Nagar, Deepak Nagar, Prakash Chand Choudhary, Narendra Kumar Bhinda	Impact of Climate Change on Weed Dynamics	2024	978-81-976863-7-5
11	Sanjeev Kumar, Dr. Jitendra Kumar Tiwari	A Study of Climate Change Awareness Among High School Students of Palampur Block Himachal Pradesh	2024	978-81-97196775
12	Dr. Harshita Jain	Air Pollution	2024	978-81-972751-0-4
13	Dr. Arun Sharma	Sustainability Science: Intersecting Environmental and Social Sciences	2024	978-81-975859-7-5
14	Dr. Jitendra Kumar Tiwari	Conservation of Environment and Peace Education	2024	978-81-975859-9-9
15	Dr. Aditi Gaur	Climate Adaptation and Mitigation Strategies	2024	978-81-977692-2-1
16	Ms. Richa Gulati	Developing Climate Resilience Plans	2024	978-81-977692-2-1
17	Mr. Ravi Ranjan	Learning from Climate-Resilient Enterprises	2024	978-81-977692-2-1
18	Mr. Ravi Ranjan	Understanding Climate Risk's Impacts on Business	2024	978-81-977692-2-1
19	Rohitashv Nagar	AI-Powered Digital Eyes: Transforming Remote Sensing into Predictive…	2025	978-93-7185-814-4
20	Mahaveer Suman	Breeding Better Plants	2025	978-81-979997-7-2
21	Dr. Anita Singh	Climate Change Dynamics and Emerging Climate Change	2025	978-93-48793-18-8

Green Intelligence: Artificial Intelligence and Remote Sensing for Climate Change Mitigation and Ecosystem Monitoring
Rohitashv Nagar | AI-Powered Digital Eyes: Transforming Remote Sensing into Predictive… | 2025

Climate-Resilient Breeding of Horticulture
Mahaveer Suman | Breeding Better Plants | 2025

Climate Change Dynamics and Emerging Climate Change
Dr. Anita Singh | Book chapter (ISBN 978-93-48793-18-8) | 2025

Student research (PG projects, 2025)

Influence of Pre-sowing Seed Treatment and Leaf Spraying of Thiourea on Alleviating Drought Stress in Wheat
Deepak Meena | M.Sc. Agriculture | 2025

Study of Solar Thermal Collectors and Their Applications
Ankit Jangid | PG project | 2025

Development of Sustainable Biofuels through Catalytic Processes
Seema Meena | PG project | 2025

3 University Operations

Energy, emissions and green cover

Policy-on-Climate-Change.pdf

NET Zero Commitment



Solar panels / energy-efficient facilities



Campus plantation / green cover

Climate planning and disaster preparedness

Policies and supporting documents

Policy-on-Climate-Change.pdf & NET Zero Commitment
crt.html
Microsoft PowerPoint - ecotag

4 Partnerships and Outreach

Plantation drives, Earth Day, field surveys and environmental programmes build climate awareness among students and nearby communities:

26 Jan 2025	Republic Day Celebration and Plantation 2025 Plantation drive
18–19 Apr 2025	1st International Conference on Sustainable Future through Innovations in Agriculture, Food and Allied Science: Healing Earth While Feeding World Participation: Dr. Manish Kumar
21 Apr 2025	Wings of Hope: Celebrating Earth Day with Our Avian Allies SOBAS · SDG 4, 13, 15
1 Jul 2025	Short Term Program on Environmental Issues (Dr. Abhishek Nagar) SOHAS · SDG 6, 13, 15
26 Jul 2025	Plantation for a Better Environment Plantation drive
4 Sep 2025	Conference: Environmental Pollution Challenges and Solutions Participation: Dr. Bhavna Mehla
3 Dec 2025	Geographic Survey Tour – villages Kewal Nagar and Alaniya SOAH · SDG 4, 11, 13, 15



Plantation drive



Earth Day – Wings of Hope

Career Point University, Kota is committed to the UN Sustainable Development Goals. We advance them through teaching, research, our institutional practices, and partnerships.



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