



Faculty of Science

Shree Ramkrishna Institute of Computer Education & Applied Sciences

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Annual activity report 2024-25

The academic year 2024–25 shows a particularly visible combination of environmental outreach, soil science, applied research, student development and placement activity. World Soil Day programme in December 2024 in which Dr. Ratna Trivedi delivered a keynote lecture at the Kamdhenu University Centre of Excellence, Ukai, Tapi District, on soil conservation, sustainable practices and soil degradation. SRKI's placement records also document Environmental Science placements for 2024–25, demonstrating the department's continued professional orientation.

Departmental Activities

Sr. No.	Activity / Programme	Nature	Academic / Social Outcome
1	World Environment Day celebration e-quiz	Quiz was UNEP registered event	E-quiz for student awareness
	World Soil Day	Expert outreach / soil conservation awareness under PSG	
2	Geospatial and environmental laboratory training	Hand's on Session with IIRS and ISRO	Students participation of ISRO program 30 students in both program.
3	Research on phototrophic microorganisms as biofertilizers	Interdisciplinary research	Environmental Science and Biotechnology faculty collaborated on sustainable agricultural biotechnology by Dr. Bhavin Bhatt and Dr. Deepesh Bhatt.
4	Environmental Science student placement activity	Career development	Placement records document 23 students selected for positions in education and pharmaceutical sectors.
5	NEP 2024–25 academic implementation	Academic development	The department's updated curriculum strengthened applied environmental science, climate, waste, legislation and sustainability competencies.

Environmental Outreach activities:

One of the most clearly documented environmental outreach activities of 2024–25 was the World Soil Day programme. SRKI's indexed social-media record reports that Dr. Ratna Trivedi delivered a keynote lecture at the Kamdhenu University Centre of Excellence in Ukai, Tapi District. The lecture addressed the importance of soil for sustaining life, soil conservation, sustainable practices and soil degradation.

The activity is closely aligned with the department's academic strengths in soil science, environmental microbiology, sustainable agriculture and environmental biotechnology. It also demonstrates the department's role in taking environmental knowledge beyond the campus to professional and educational audiences. Total 6

lectures given in various schools and colleges regarding environmental awareness and PSG to Dang and Tapi districts of Gujarat.

Research and Innovation in Sustainable Soil Management

During the period, SRKI Environmental Science faculty were associated with research addressing soil sustainability. A 2024 study involving students examined an esterified conditioner and repairing agent for salinity-affected agricultural soils. A related 2024 paper addressed phototrophic microorganisms as biofertilizers isolated from South Gujarat. These publications demonstrate an applied research direction linking environmental science, soil health, microorganisms, biotechnology and sustainable agriculture. Dr. Bhavin Bhatt and Dr. Ratna Trivedi involved in BT-CBC capacity building program under GSBTM and given lectures at P.P.Savani, VNSGU and Government Science College, Vankal.

Student Development, Employability and Placement

SRKI's Environmental Science placement page records 2024–25 placement activity. The listed selections include Jha Swasti Krishna at P.P. Sawani School and Utsav Ketankumar Naik at Amneal Pharmaceuticals, with on-campus placement routes and salary figures reported by the institute. Such placement activity reflects the department's broad career orientation, where environmental-science graduates may develop pathways into environmental laboratories, education, consultancy, industry, compliance and allied technical roles. Placement records document 23 students selected for positions in education and pharmaceutical sectors. Students educational visit at PEPL and Biodiversity Park at Surat. More than 110 students visited both of the places. PG students also took part in Public Hearing of PEPL and real-time experience of environmental clearance and environmental audit.