



India Bhutan Foundation

INDIA – BHUTAN COLLABORATION SWM EXCHANGE PROGRAM

Collaborative Outlook on Technological Innovations and Synergies in Solid Waste Management (SWM): Learning Across Borders



AIMS & OBJECTIVES

- Provide staff and students with an overview of the SWM landscape in Bhutan and India
- Cover technical, environmental, social, financial, institutional, planning and policy dimensions
- Identify solutions to persistent waste management challenges in Bhutan through expert engagement
- Support future decision-making and similar collaborative programs on SWM



ORGANISING INSTITUTIONS



Jigme Namgyel Engineering College
Royal University of Bhutan



College of Science and Technology
Royal University of Bhutan



National Institute of TechNoLogY RourkeLA
Odisha, India



Indian Institute of Technology Guwahati
India



PARTICIPANTS



BHUTAN:

JNEC (3 Profs, 10 students)
and CST (1 Profs, 5 students)



INDIA:

NIT Rourkela (2 Profs, 10 students)
and IIT Guwahati (1 Profs, 5 students)



Participants are mainly from Environmental Biotechnology / Environmental Engineering backgrounds.



APPLY FOR STUDENT EXCHANGE!!!

Interested students can reach out to the contact persons with the following details:

- CV
- Statement of Purpose
- One passport-size photograph
- Self-declaration and undertaking



PROGRAM STRUCTURE

The department of Biotechnology And Medical Engineering is inviting expression of interest from students for Indo-Bhutan Student Faculty Exchange Program scheduled in two phases, Phase I: 20th April to 22nd April 2026, and Phase II: 30th April to 9th May 2026. The program has been funded by Indian Embassy in Bhutan.

The student-faculty exchange program involves collaboration between NIT Rourkela, IIT Guwahati, and two partner institutes in Bhutan, Jigme Namgyel Engineering College, Royal University of Bhutan (JNEC-RUB), and the College of Science and Technology, Royal University of Bhutan (CST-RUB).

Phase	Session	Venue	Dates
Phase I	Session 1	IIT Guwahati	20 – 22 April 2026
	Session 2	Jigme Namgyel Engineering College	30 April – 1 May 2026
Phase II	Session 3	College of Science and Technology	04 – 05 May 2026
	Session 4	Thimphu	6 – 9 May 2026



DURATION AND LOCATION



Approximately 15 days across home and partner institutions



Activities span Bhutan and India



KEY ACTIVITIES



Capacity building sessions, expert talks and workshops



Field visits to landfill sites, material recovery facilities, compost plants and waste collection points



Networking sessions, group work and data analysis exercises



Cultural visits, cultural programs and exchange events



COLLABORATION AREAS

- Waste quantification, MSW data generation, processing and review
- Solid waste management chain: segregation, collection, transportation, processing and recycling
- Waste-to-energy systems, community composting and biodigester models
- Circular economy, policy, governance and design thinking for social innovation



EXPECTED OUTCOMES

- Joint research opportunities across partner institutions
- Replication of community-based and integrated SWM models
- Curricular development, certificate modules and academic exchanges
- Entrepreneurship, skill development and technology-enabled waste solutions



CONTACT



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