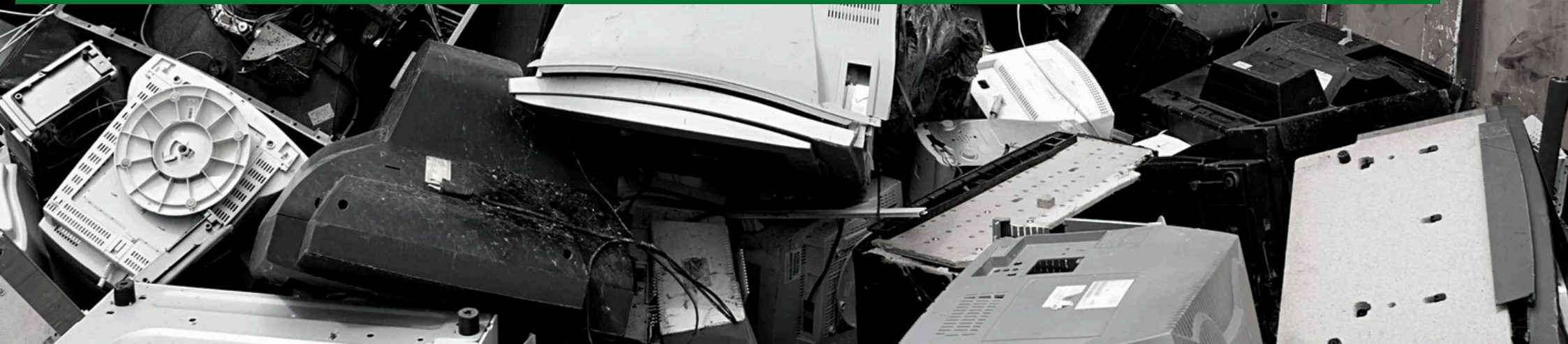# SUSTAINABLE E-WASTE VALUE CHAIN CONCLAVE

26-27 September 2025 at Goa

REGISTRATION BROCHURE

Conveners: Dr. Ravi Sankannavar, Dr. Shakthi Prasad D,
IIT Goa Dr. Sharad Sinha, IIT Goa, Shri Sundeep Nayak, IIT
Goa

About the Institution

Indian Institute of Technology Goa (IIT Goa) is a premier educational and research institution established in 2016, under the aegis of the Ministry of Education, Government of India. Situated in the transit campus at Farmagudi, Goa, IIT Goa offers state-of-the-art facilities in science, engineering, and technology and promotes a dynamic academic environment through its rigorous curriculum and emphasis on interdisciplinary research to enable the students to contribute effectively to solving real-world challenges. With its collaborations with global institutions, the institute aims to promote global academic exchanges, joint research projects, and cultural immersion, enriching the institute's academic environment.

About the Schools

The Schools of Chemical and Materials Science (SCMS), Electrical Sciences (SES) and Mathematics and Computer Science (SMCS) deliver high quality education across diverse fields of Chemical and Materials Engineering, Electrical Engineering and Computer Science and Engineering. The schools have a mix of young and experienced faculty members. Both the faculty and research scholars of the Schools actively address open-ended research challenges in cutting-edge areas. Primary research areas include electrochemical energy conversion and storage devices, soft matter and colloidal science, functionalized nanostructured materials, power electronics and motor drives, high voltage and plasma engineering, communication, algorithms, complexity theory, machine learning, formal methods, automata, semigroups and functional programming, IoT, system simulation, software verification, compilers, reconfigurable and AI hardware, cybersecurity and applications in healthcare and marine tech. The Schools have established state-of-the-art laboratories to support UG and PG students and emphasize world-class training with hands-on learning experiences tailored to students' interests and aligned with industry needs, fostering their growth and readiness to meet professional demands. The Mission LiFE Cell at IIT Goa pursues the objectives of sustainable development.

About the Workshop

The "Sustainable E-Waste Value Chain Conclave" workshop will be a 2-day event focused on addressing the growing challenge of electronic waste through sustainable practices, innovative strategies, and community involvement. As the consumption of electronic devices continues to rise globally, so does the volume of e-waste, which contains hazardous substances and valuable materials. Proper management of this waste is crucial for minimizing environmental and health risks, as well as for recovering precious resources.

This workshop will bring together experts, practitioners, and participants from diverse sectors to explore effective and responsible e-waste management. Through a series of interactive sessions and discussions, participants will gain insights into the current e-waste landscape, emerging recycling technologies, and the legal frameworks surrounding e-waste. By the end of the workshop, participants will be equipped with the knowledge, skills, and best practices to contribute to sustainable e-waste solutions, reduce environmental harm, and promote a circular economy. This collaborative event offers a platform for learning, networking, and developing action plans that can help shape a more sustainable future for our electronic world.

MINISTRY OF ELECTRONICS AND INFORMATION TECHNOLOGY

भारतीय तंत्रगिन्यान संस्था गोंय
भारतीय प्रौद्योगिकी संस्थान गोवा
INDIAN INSTITUTE OF TECHNOLOGY GOA

अनुसंधान नेशनल रिसर्च फाउंडेशन
Anusandhan National Research Foundation

Resource Persons

Dr. R. Ratheesh
Director
CMET Hyderabad

Dr. Suneel Pandey
Director, TERI
Circular Economy and Waste
Management Division

Prof. B. K. Mishra
Distinguished Visiting Professor, IIT
Bhubaneswar
Former Director, IIT Goa
Former Director, CSIR IMMT

Prof. Sundeep Kumar Nayak, IAS (Rtd.)
Professor of Practice, IIT Goa and
Chair, Mission LiFE Cell, IIT Goa
Former DG, National Productivity
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Assistant Professor
School of Electrical Sciences
IIT Goa

Dr. Ravi Sankannavar
Assistant Professor
School of Chemical and Materials
Science, IIT Goa

Dr. Brighty Dutta
Post-Doctoral Researcher, School of
Minerals, Materials and Metallurgical
Engineering, IIT Bhubaneswar

Topics Covered

- Understanding the e-waste value chain, and Environmental and health impacts
- E-waste policies, legal framework, lifecycle, and circular economy
- E-waste recycling technologies and Business models for e-waste management
- Blockchain-based traceability management, and
- Sustainable e-waste collection and disposal strategies

Who should attend?

Tech and electronics sectors industry stakeholders, professionals in waste management, students, policy professionals, environment-related NGOs, government officials, CPSEs, multilateral/bilateral organizations, financial institutions, etc.

Registration and General Information

- Registration fee (Limited seats):
  - Students: Rs. 1,000/- + 18% GST
  - Faculty: Rs. 3,000/- + 18% GST
  - Industry: Rs. 7,000/- + 18% GST
- Students should submit the registration form, duly signed by the head of the institution.
- Last date of registration: **21st August 2025**
- Date of intimation of selection: **25th August 2025**
- **Last Date for Payment after Intimation of Selection:** 31st August 2025
- No accommodation can be arranged by IIT Goa
- Lunch and tea will be provided on both days of the workshop.

How to Register?

The registration should be done through the Google Form:
URL: https://forms.gle/FsHXkcfDo64yTrNTA
QR CODE

Scan the QR code to access the registration form.
Last date for registration is 21st August 2025.
For any queries, write to:
ravi@iitgoa.ac.in, shakthi@iitgoa.ac.in

Sustainable E-Waste Value Chain Conclave
26-27 September 2025 at Goa

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