

1. Title of the Best Practice

Mainstreaming Sustainable Development Goals (SDGs) into Higher Education: Curriculum, Research, and Institutional Practices at Nehru Institute of Technology

2. Institution Name & Address

Nehru Institute of Technology (Autonomous)
Kaliyapuram, Coimbatore – 641105, Tamil Nadu, India
Website: www.nitcbe.ac.in

3. Submitted by

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5. Thematic Area

Sustainability, Environmental Protection, Social Inclusion, and Institutional Commitment to UN SDGs

6. Context / Need for the Practice

The **United Nations Sustainable Development Goals (SDGs)** are a global framework designed to tackle poverty, inequality, environmental degradation, and promote prosperity by 2030. As a forward-looking institution, **Nehru Institute of Technology (Autonomous)** recognized the need to embed sustainability into its academic, research, and community practices. Engineering and technology graduates are uniquely positioned to innovate solutions for clean energy, climate change, and sustainable infrastructure. To prepare them, Nehru Institute of Technology has aligned its curriculum, institutional framework, and campus operations with the **17 UN SDGs**. This ensures students gain not only technical expertise but also the awareness, leadership, and responsibility to contribute to global sustainability challenges.

7. Description of the Practice

Objectives:

- To integrate SDGs into academic curriculum and research projects.
- To develop sustainability-focused graduates who can lead global change.
- To foster eco-conscious campus culture through green initiatives.
- To contribute to national and international sustainability rankings.

Key Actions Taken & Timelines:

- 1. SDG Framework and Plan/Policy (2023 onwards):**
 - Institutional framework created to integrate SDGs into teaching, learning, and extension activities.
 - Policy aligned with economic, social, and environmental sustainability pillars.
- 2. Curriculum Integration (2024–25):**
 - Introduction of courses linked with SDG themes such as renewable energy, sustainable design, waste management, and ethical engineering.
 - A dedicated **SDG-based course** designed to prepare students to apply sustainability concepts in real-world contexts.
- 3. SDG Cell & Student Engagement:**
 - Student ambassadors engaged in awareness campaigns and projects aligned with SDGs.
 - Annual events highlighting climate change, social equity, and innovation.
- 4. Impact Rankings Participation:**
 - Active participation in **National Sustainability Impact Institutions Ranking (NSIIR)** and **Sustainable Institutions of India Green Rankings**.
- 5. SDG 17 Goals Report 2024–25:**
 - Annual reporting mechanism established to track institutional contributions toward all 17 SDGs.

Stakeholders Involved:

Faculty, students, alumni, research collaborators, NGOs, industries, and community partners.

Timeline: Structured implementation began in 2023; curriculum integration and reporting framework operationalized in 2024–25 with continuous monitoring.

8. Evidence of Impact

The **integration of SDGs into curriculum** has significantly improved student awareness of sustainability issues. Students now undertake projects addressing renewable energy, waste management, and sustainable infrastructure. Faculty report increased **interdisciplinary research collaborations** focused on environmental and social sustainability. Nehru Institute of Technology's participation in **national sustainability rankings** has positioned the institution as a leader among green campuses. The introduction of the **SDG 17 Goals Report (2024–25)** demonstrates institutional accountability and transparency. Graduates trained under this model exhibit strong competencies in sustainability, leadership, and collaborative problem-solving, making them highly valued by industries and society. The initiatives have also enhanced Nehru Institute of Technology's institutional reputation as a promoter of global citizenship and responsible innovation.

9. Potential for Replication

The Nehru Institute of Technology model can be replicated by higher education institutions by creating a **structured SDG framework**, integrating sustainability into curriculum, and establishing transparent reporting mechanisms such as an **annual SDG goals report**. By linking academic learning with the UN's global agenda, institutions can foster graduates equipped for real-world sustainability challenges. Simple practices like green campus drives, interdisciplinary SDG projects, and ranking participation can be scaled across diverse institutions, ensuring collective contributions to the 2030 agenda.

10. Photos / Supporting Links / References (Annexures)

- <https://www.nitcbe.ac.in/the-sustainable-development-goals/>
- [NEHRU INSTITUTE OF TECHNOLOGY SDG Framework & Policy](#)
- SDG 17 Goals Report (2024–25) – Institutional repository
- Rankings: National Sustainability Impact Institutions Ranking, India Green Rankings





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SUSTAINABLE EDUCATION, THIS CERTIFICATE IS AWARDED TO

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Institutional Grade : **A**

Institutional Band / Category : **Gold**

R
World Institutional
RANKING ■■■


Executive President

30 March 2023

1 NO POVERTY



GOAL – 1 NO POVERTY

“Skill Up, Rise Up: Skills for a Poverty -Free Future”

Name of the faculty: Prof. A. Prabhakaran
Venue : Nehru Institute of Technology,
Coimbatore
Date : 29 -04-2025
No of Students participated : 15
Implementation : To teach small labour works
among the sanitation worker **by Ms. Sundari**
Beneficiary : Sanitation workers benefited out of
this program that how they can start their own small
scale business



2 ZERO HUNGER



GOAL – 2 ZERO HUNGER

“PLATE OF HOPE”

Name of the faculty: Dr. P. Selvakumar
Venue : Assisi Snehalya Ashram,
Rottigoundanur, Coimbatore
Date : 23- 04-2025
No of Students participated : 15
Implementation : They have consistent access to
nutritious meals, which helps reduce hunger and
food insecurity. Children's health and growth are
supported.
Beneficiary : This activity focused on
reducing poverty by half, and ensuring access to
basic services and social protection.



3 GOOD HEALTH AND WELL-BEING



GOAL – 3 GOOD HEALTH AND WELL BEING

“Achieve Universal Health Coverage And Access To Quality Health Services”

Name of the faculty: Dr. C. Alice Evangaline Jebaselvi
Venue : Mayilamparai Village
Date : 22 -02-2025
No of Students participated : 20
Implementation : Empowering Women’s Health in Mayilamparai village through Medical Kit Distribution
Beneficiary : Improved hygiene and health awareness among women and girls.



4 QUALITY EDUCATION



GOAL – 4 QUALITY EDUCATION

“Ensure Free, Equitable And Quality Education”

Name of the faculty: Prof. J. Princy
Venue : Mayilamparai Village, Coimbatore
Date : 22 -04-2025
No of Students participated : 20
Implementation : Quality Education through the distribution of education kits in Mayilamparai village
Beneficiary : Promotion of equal educational opportunities, especially for girls and marginalized children.



5 GENDER EQUALITY



GOAL – 5 GENDER EQUALITY

“Equal Rights, Equal Opportunities: The Path To Gender Equality”

Name of the faculty: Prof. M. Ilakkiya
Venue : Kaliyapuram village, Coimbatore
Date : 07 -03-2025
No of Students participated : 14
Implementation : Gender Equality in Kaliyapuram village, with a focus on legal awareness and support through an Advocate Mrs. V. Anushuya
Beneficiary : More women exercising their rights and accessing justice. A reduction in gender-based violence and discrimination.



6 CLEAN WATER AND SANITATION



GOAL – 6 CLEAN WATER AND SANITATION

“Every Drop Counts: Clean Water For A Healthy Tomorrow”

Name of the faculty: Prof. D. Narmatha
Venue : Nehru Institute of Technology, Coimbatore
Date : 26 -04-2025
No of Students participated : 12
Implementation : Clean Water and Sanitation at an NIT campus, specifically through the installation and use of a Clean Water Doctor Machine (a water purification/vending system) by our students.
Beneficiary : 24/7 access to safe drinking water for the entire campus community through our NIT students



7 AFFORDABLE AND
CLEAN ENERGY



GOAL – 7 AFFORDABLE AND CLEAN ENERGY “Solar Lights & Brighter Nights”

Name of the faculty: Dr. G. Satheesh Kumar
Venue : Rottigoundanur Village,
Coimbatore
Date : 23 -04-2025
No of Students participated : 10
Implementation : Installing solar lights in a village
directly contributes to this goal under **Unnat Bharat
Abhiyan**.
Beneficiary : This activity improves energy security,
reduce dependence of fossil fuels and promotes
sustainable development.



8 DECENT WORK AND
ECONOMIC GROWTH



GOAL – 8 DECENT WORK AND ECONOMIC GROWTH

“Economic Productivity Through Diversification”

Name of the faculty: Prof. M. S. Umamaheswari
Venue : Thirumalayampalayam Village,
Coimbatore
Date : 24 -01-2025
No of Students participated : 10
Implementation : For a project to teach mushroom
cultivation to the people of Thirumalayampalayam
village by Resource person **Mr. Sanjeev**
Beneficiary : Small and marginal farmers,
Women Self-Help Groups (SHGs), Unemployed rural
youth, Elderly individuals and homemakers learned
Mushroom Cultivation for home-based income.



9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



GOAL – 9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

“Develop Quality, Reliable, Sustainable And Resilient Infrastructure

Name of the faculty: Dr. T. Jayaprakash
Venue : NIT, Coimbatore
Date : 28 -03-2025 to 30 -03-2025
No of Students participated : Around 2000
Implementation : The International Conference on New Gen Technology for Sustainable Development (ICNGTS 2025) is officially underway at Nehru Institute of Technology!
Beneficiary : Gained exposure to global research trends and professional networking. Collaboration opportunities with international experts.



10 REDUCED INEQUALITIES



GOAL – 10 REDUCED INEQUALITIES

“Rise and Start: Entrepreneurship for All”

Name of the faculty: Prof. S. Amali Theresa
Venue : Palathurai, Madukkarai, Coimbatore
Date : 30 -04-2025
No of Students participated : 10
Implementation : The session focused on essential topics such as entrepreneurship, startup opportunities, GSD processes, and MSME loan schemes, aimed at promoting inclusive growth and equal economic opportunities by the resource person
Mr. R. Allocious Britto Rajkumar.
Beneficiary : Aspiring entrepreneurs who need seed funding or micro-loans to start or expand businesses at Palathurai



11 SUSTAINABLE CITIES AND COMMUNITIES



GOAL – 11 SUSTAINABLE CITIES AND COMMUNITIES

“Breath Fresh, Live Green: Urban Planting For A Sustainable Tomorrow ”

Name of the faculty: Dr. K. Janani
Venue : Palathurai, Madukkarai, Coimbatore
Date : 06 -03-2025
No of Students participated : 10
Implementation : This goal aims to impart sustainable urbanization to develop deforestation
Beneficiary : Thirumalayampalayam Village people got benefitted about recycling old clothes and reduce waste



12 RESPONSIBLE CONSUMPTION AND PRODUCTION



GOAL – 12 RESPONSIBLE CONSUMPTION AND PRODUCTION

“Ensure Sustainable Consumption And Production Patterns”

Name of the faculty: Dr. P. Lavanya
Venue : Thirumalayampalayam Village, Coimbatore
Date : 06 -03-2025
No of Students participated : 10
Implementation : We described about how to utilize products in right way and how to recycle old clothes, food items, plastic waste. Also the ways to minimize the usage of electricity, water and other natural resources.
Beneficiary : Thirumalayampalayam Village get benefit about recycling old clothes and reduce waste



13 CLIMATE ACTION



GOAL – 13 CLIMATE ACTION

“Nature’s Packaging: Fresh, Green and Waste-free for Climate Action”

Name of the faculty: Dr. T. Anupriyanka
Venue : Palathurai, Madukkarai, Coimbatore
Date : 06 -03-2025
No of Students participated : 10
Implementation : This goal aims to reduce the impact of climate change in the Environment by promoting the transition to renewable energy
Beneficiary : Eco -friendly packaging to reduce waste and made cities Greenery



14 LIFE BELOW WATER



GOAL – 14 LIFE BELOW WATER

“The Hidden World : Understanding Life Below Water”

Name of the faculty: Prof. J. Brindha Devi
Venue : Valankulam Lake, Sungam, Coimbatore.
Date : 21-02-2025
No of Students participated : 10
Implementation : We taught to people the importance of protecting our oceans, marine life and ecosystems. This insights shared on sustainable practices and ocean conservation were truly eye-opening and people feel more motivated than ever to get involved in preserving our planet's waters in associated with **LION Services, Coimbatore.**
Beneficiary : Educational Campaigns – Teach communities about the importance of clean water at Valankulam lakes in protecting marine life and preventing ocean pollution.



15 LIFE ON LAND



GOAL – 15 LIFE ON LAND

“NIT-Biodiversity Hub - WINGS TOMORROW ”

Name of the faculty: Prof. M. Gowri Manohari
Venue : NIT, Coimbatore.
Date : 14 -02-2025
No of Students participated : 60
Implementation : Enhance biodiversity on campus and create a space for learning and research about local flora and fauna.
Beneficiary : Birds Community Benefited to get shelter during the Climatic variations



16 PEACE, JUSTICE AND STRONG INSTITUTIONS



GOAL – 16 PEACE, JUSTICE, AND STRONG INSTITUTIONS

“Human Rights Violations And The Need For International Justice”

Name of the faculty: Dr. M. Kumaresan
Venue : Kaliapuram village, Coimbatore.
Date : 03 -05-2025
No of Students participated : 10
Implementation : To give awareness about consumer rights to the kaliapuram village people by **Dr. N. Pradeep Kumar, Advocate, General Secretary, Tamil Nadu Consumer Association , Coimbatore.**
Beneficiary : People of Kaliapuram village learnt Consumer Rights which will help Lowincome and vulnerable populations –who are often the most exploited and benefit from equitable access to justice and information.



17 PARTNERSHIPS
FOR THE GOALS



GOAL – 17 PARTNERSHIPS FOR THE GOALS

“Global Partnerships: The Backbone of
Achieving the SDGs”

Name of the faculty: Dr. N. Vithya
Venue : Kaliapuram village, Coimbatore.
Date : 03 -05-2025
No of Students participated : 10
Implementation : To conduct eye camp for kaliapuram
village people in collaboration with **Eye foundation,
Coimbatore**
Beneficiary : People from rural background
benefitted by checking their eyesight and their health
condition through collaboration with “Eye Foundation,
Coimbatore”

