



Central University of Tamil Nadu
School of Social Sciences and Humanities
Department of Economics
Organises
A Two-Day National Conference
on

**Climate Change and Renewable Energy: Synergies
for Viksit Bharat @2047**



October 9-10, 2025



J.M. Keynes Conference Hall
Dept. of Economics

Sponsored by

Indian Council of Social Science Research-Southern Regional Centre (ICSSR-SRC)



Conference– An Overview

The National Conference on Climate Change and Renewable Energy: Synergies for a Viksit Bharat@2047 aims to serve as an interdisciplinary forum for researchers, academicians, policymakers, industry leaders, and environmental practitioners to discuss the pressing challenges of sustainability and explore innovative solutions for a greener future by 2047. As the world grapples with the adverse effects of climate change, resource depletion, and unsustainable industrial practices, transitioning towards a green economy has become imperative. A sustainable, low-carbon economy requires transformative policies, technological advancements, and behavioral shifts across all sectors. This conference seeks to facilitate collaborative discussions, knowledge exchange, and research-driven policy recommendations to promote environmental sustainability, economic resilience, and social well-being. With climate change posing serious threats to agriculture, water security, public health, and biodiversity, there is a growing urgency to develop effective adaptation and mitigation strategies. This conference will provide a platform to assess the socio-economic implications of climate change, discuss the role of indigenous knowledge systems in climate resilience, and analyze the impact of climate policies at local, national, and global levels. Additionally, the role of media, governance, and public awareness in shaping climate action will be a key focus area. A sustainable and resilient India by 2047 requires long-term strategies that integrate sustainable economic growth, climate action, and renewable energy innovation, ensuring a prosperous and environmentally responsible future for all.

The transition towards renewable energy sources is fundamental to reducing carbon emissions and fostering sustainable development. The conference will facilitate discussions on innovations in solar, wind, and bioenergy technologies, examine the financial and infrastructural barriers to renewable energy expansion, and discuss policy frameworks that support a decentralised, community-driven renewable energy model.

Core Objectives of the Conference

The National Conference aims to foster discussions on sustainable development, climate resilience, and renewable energy with a focus on sustainable growth, technology, and policy interventions. It will address key challenges and opportunities in environmental sustainability while contributing to India's SDGs and Viksit Bharat @2047. The core objectives of the conference are;

1. To explore the green economy's role in sustainable development, resource efficiency, and employment generation.
2. To discuss climate change mitigation and adaptation strategies, including the impact on agriculture, water, and human health.
3. To explore technological advancements in renewable energy and assess the challenges hindering its widespread adoption.
4. To evaluate India's progress toward Sustainable Development Goals (SDGs) and policy interventions for net-zero targets.
5. To analyze the role of media, ethics, and governance in shaping sustainability narratives and policies.
6. To promote cross-disciplinary research and foster collaborations between academia, industry, and government bodies.

Themes & Sub themes of the Conference

1. ECONOMY AND SUSTAINABLE DEVELOPMENT

- Circular Economy and Sustainable Production (Resource Efficiency)
- Financing and Investments for a Low-Carbon Future
- Sustainable Business Practices and Corporate Social Responsibility (CSR)
- Role of Public Policy in Economic Growth
- Employment and Livelihood Opportunities in an Economy

2. CLIMATE CHANGE AND ITS IMPACT

- Climate Change Adaptation and Mitigation Strategies
- Impact of Climate Change on Water, Agriculture and Food Security
- Coastal and Marine Ecosystem Vulnerabilities
- Climate Resilient Infrastructure and Sustainable Urban Development
- Carbon Markets, Net Zero Goals, and Global Climate Agreements
- Role of Indigenous and Traditional Knowledge in Climate Adaptation
- Effects of Climate change on Health

3. RENEWABLE ENERGY: INNOVATIONS, POLICIES, AND FUTURE PROSPECTS

- Innovations in Solar, Wind, and Bioenergy Technologies
- Energy Storage and Grid Integration for Renewable Energy
- Policy and Economics of Renewable Energy in India
- Community-Based Renewable Energy production and consumption
- Financial and other Barriers in Renewable Energy Expansion

4. SUSTAINABLE DEVELOPMENT GOALS (SDGS) IN THE INDIAN CONTEXT

- Affordable and Clean Energy for All (SDG: 7)
- Sustainable Cities, Infrastructure, and Smart Urban Development (SDG: 11)
- Climate Action and Resilience Building in Vulnerable Regions (SDG: 13)
- Policy Interventions for Achieving Net Zero and SDG Synergies
- Integrating Environmental, Social, and Governance (ESG) Goals in Development

5. INNOVATIONS IN SCIENCE AND TECHNOLOGY FOR SUSTAINABILITY

- AI, IoT, and Big Data for Climate and Environmental Sustainability
- Eco-friendly Innovations for Waste Management and Pollution Control
- Smart Agriculture and Climate-Resilient Farming Techniques
- Digital and Technological Solutions for Sustainable Energy Management
- Role of Startups and Entrepreneurship in the Sustainable Transition

6. MEDIA, ETHICS, AND ENVIRONMENTAL GOVERNANCE

- Role of Media in Climate Change Awareness and Action
- Media as a Tool for Sustainable Advocacy and Activism
- Role of Digital Media in Promoting Sustainable Development Goals (SDGs)
- Ethical and Philosophical Perspectives on Sustainability and Development
- Human-Nature Relationships and Sustainable Living Practices
- Environmental Justice and the Rights of Future Generations
- Education, Public Awareness, and Behavioral Change for Sustainability
- Interdisciplinary Approaches to Environmental Policy and Governance

Guidelines for Submission of Full Paper cum Abstract

Full Research Paper: The paper should be written in Microsoft Word using Times New Roman, 12-point font, with 1.5 spacing. Please use APA style for all citations and references.

Abstract: The abstract must include the research gap, problem statement, research questions, objective(s), hypothesis, methodology, major findings, and suggestions.

Please submit your full paper along with the abstract to cutneco2025nc@gmail.com.

The Screening Committee will shortlist the submitted papers based on content, quality, and relevance to the seminar. The selected papers will be intimated to the corresponding authors for payment of the registration fee to consider for Oral Presentation and to include in the Compendium.

Note: a) Sufficient time will be allotted for presentation and discussion.

b) Selected papers will be considered for publication in a special issue of the journal indexed in ABDC/SCOPUS or an Edited a Book with an ISBN by a reputed publisher with a publication fee.

Important Dates

- Last date for submission of full paper cum abstract : 30th September, 2025
- Intimation of selected paper on or before : 1st October, 2025
- Conference Dates : 9th and 10th October, 2025

Best Presentation Award

Under each technical session, two best presentation award certificates will be given, one for category-A (Students and Research Scholars) and the other for category-B (Academicians and Researchers)

Registration Fee

1. CUTN PG Students: Rs. 400 per person
2. UG/PG Students and Research Scholars: Rs. 800 per person
3. Academicians and Researchers: Rs. 1200 per person

Accommodation and Food

The authors (only two in the case of multiple authors) of a selected research paper will be provided with modest accommodation in the University Guest House on a shared basis (two persons per room) from 8th October, 2025 (Evening) to 11th October, 2025 (Morning). Food will be provided during the conference dates.

Organizing Committee

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Registrar, CUTN

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Assistant Professor of Economics, CUTN

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4. Dr. J. Vineesh Prakash - Assistant Professor of Economics, CUTN

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About the University

The Central University of Tamil Nadu (CUTN), Thiruvavur, is a prominent educational institution in India, ranked 99th in the NIRF, 12th in the IIRF, and 55th in the Nature Index. It is located in the temple region of Tamil Nadu. It is with 13 Schools and 28 Departments, offering a broad range of 64 academic programs. These include 29 research, 22 specialised, 6 integrated, 2 undergraduate, and multiple PG diploma courses. The university stands as a beacon of hope, bridging the gap between aspirations and opportunities for all sections of society. It maintains a deep-rooted commitment to inclusivity, sustainability and diversity, the cultural heritage of Indian society.

About the Department

The Department of Economics, established in 2011, was one of the first in the School of Social Sciences and Humanities. The department offers a four-year BA Honours, five-year integrated, two-year MA and PhD program in Economics as per NEP 2020. It has 9 regular and 1 guest faculty from various parts of India with diverse specialisations. The department emphasises both theory and application in learning with the latest technologies and software. It offers value-added courses for employability and promotes interdisciplinary learning and overall development of the students. The Department of Economics is renowned for its excellent internship and placement opportunities.
