



# GIAN Course on Smart, Sustainable and Resilient Economy

DEPARTMENT OF HUMANITIES AND SOCIAL SCIENCES  
INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR,  
INDIA

**06<sup>th</sup> – 10<sup>th</sup> JANUARY, 2025**

The recent pandemic and cyclic recessions have put the business world at an alarming situation. Hence, it is essential that industries across India and globe promote a smart, sustainable and resilient economic approach to their practices and develop standards and frameworks for achieving sustainable excellence in business. This course examines alternative conceptions and theoretical underpinnings of the notion of a "Smart, Sustainable and Resilient Economy".

This course will discuss the various aspects of building a smart and resilient economy to predict and encounter any kind of threat to the dynamic business environment. It focuses on the sustainability problems of industrial countries (i.e., aging of populations, sustainable consumption, institutional adjustments, etc.); and of developing states and economies in transition (i.e., managing growth, sustainability of production patterns, pressures of population change, etc.). It will also explore the sociology of knowledge around sustainability, the economic and technological dimensions and institutional imperatives along with implications for the political constitution of economic performance.



## Objectives of the course

- ✓ To help participants understand the latest smart economic transitions shaping global business.
- ✓ To help participants understand the impact of Industry 4.0 and digitalization, particularly post-COVID-19.
- ✓ To help participants explore how start-ups and small businesses contribute to economic growth.
- ✓ To enable participants to learn how to build sustainable organizations and engage stakeholders in sustainability efforts.
- ✓ To develop participants' ability to measure performance and research sustainability for long-term results.
- ✓ To build participants' confidence in applying sustainable practices using a Sustainable Management framework.
- ✓ To enhance participants' skills in diagnosing sustainability-related issues in organizations.
- ✓ To help participants develop risk assessment and mitigation strategies for economic resilience.
- ✓ To guide participants in understanding how organizations function in multiple value chains and foster sustainability through "perspective, place, and people."
- ✓ To expose participants to practical problem-solving through case studies and live projects in sustainable management.

## Teaching Faculty

**Prof. Atanu Chaudhuri**  
**Durham University**  
**Business School**



Prof. Atanu Chaudhuri is a renowned Professor of Technology and Operations Management at Durham University Business School with over 20 years of academic and industry experience. His research spans digital supply chains, additive manufacturing, and sustainability, with more than 2,570 citations and an impressive h-index of 26. Dr. Chaudhuri's work has been featured in top-tier journals such as Production Planning & Control, Annals of Operations Research, and the Journal of Business Research. He has led several high-impact projects, including collaborations funded by the European Regional Development Fund and the British Council. A leading expert in blockchain and circular economy, Dr. Chaudhuri's incredible academic contribution to the field has received multiple awards such as the Outstanding Research Impact Award from Durham University in 2022, further solidifying his status. For more details: <https://www.durham.ac.uk/business/our-people/atanu-chaudhuri/#publications>

**Dr. Vikas Thakur**  
**Indian Institute of**  
**Technology, Kharagpur**



Dr. Vikas Thakur, Assistant Professor at IIT Kharagpur, brings over 10 years of academic and research expertise in Operations and Supply Chain Management. With a PhD from IIT Roorkee, Dr. Thakur has published over 29 papers in internationally recognized journals, including Journal of Cleaner Production, Business Strategy and the Environment, and Sustainable Cities and Society. His research on healthcare waste management and resilient supply chains has been influential not only for academia but also for practitioners and policymakers for a sustainable future. He has also led several projects funded by reputed organizations like ICSSR and the Ministry of Law and Justice, addressing critical issues like MSME development and municipal waste management. For more details: <https://www.iitkgp.ac.in/departments/HS/faculty/hs-thakur/>

## Important Details

- Course Schedule: 6<sup>th</sup> January to 10<sup>th</sup> January, 2025
- Last date for course registration: 15<sup>th</sup> Dec., 2024
- Confirmation of successful registration by email: 20<sup>th</sup> Dec. 2024
- Last date for fee submission (Only for selected participants): 15<sup>th</sup> Dec. 2024
- Confirmation of successful payment & other details by mail: 20<sup>th</sup> Dec. 2024
- Venue: Offline Mode (IIT Kharagpur)
- Certificates will be provided to the participants

## Accommodation

Participants can be provided accommodation in the institute guest house inside the campus on a first-cum-first basis (extra charges apply as the registration fee does not include lodging)

## Registration fee

- Students (BTech/MSc/MTech/PhD): Rs 1000 + 18% = Rs 1180
- Faculty: Rs 2000 + 18% = Rs 2360
- Corporate: Rs 2500 + 18% = Rs 2950

\*Payment should be made only after receiving the registration confirmation mail

## How to apply:

<https://erp.iitkgp.ac.in/CEP/courses.htm>  
(use the link to apply online)



Payment: if applicable, is to be done **ONLINE** after getting shortlisted for the program.

## Course Content

- Smart economic transformation
- Digital Transformation in Business and Economics
- Industrial Developments in the Era of Smart Economy
- Global Sustainable Development Goals (SDGs):
- Planning for a Sustainability Management System
- Implementing Sustainability in an Organization
- Circular Economy Principles
- Social Entrepreneurship and Impact Investing
- Resilience and Adaptation Strategies
- Frameworks for Smart Economy
- Problems solving sessions with case studies

## Who can attend?

Executives, engineers and researchers from manufacturing, service and government organizations including R&D laboratories

Students at all levels (BTech/MSc/MTech/PhD) or Faculty from reputed academic institutions and technical institutions

## Contact us

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