



IIT Madras CODE and
School of Sustainability IITM
offer Certificate Program on

SUSTAINABILITY FOR INDIAN BUSINESSES



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Why this course?

- 1) Build confidence & competence in actioning Sustainability from a cradle-to-grave
- 2) Shape the right mindset via refreshing the nuts and bolts of Sustainability
- 3) Develop a critical knowledge of the existing and upcoming sustainability frameworks and of business implications of India's shifting Policy Landscape

About this course:

The goal of this 4-week program is to familiarize learners with the multi-dimensional nature of sustainability in connection with its real-world implications. Through communicating the existing (and upcoming) toolkit for imagining sustainable Industry Landscape in India at the backdrop of India's changing policy frameworks, the course inculcates a systemic view into sustainability in tandem with equipping learners to ideate practical sustainable scenarios for their respective industries.

Mode:

25 hours of recorded videos and 10 hours of online live interactive sessions with the faculty.

Eligibility:

There are no prerequisites to the program, however, the criterion for the intended audience may automatically assume a technical or managerial background essential for the respective industry.

Intended audience:

This "refresher" certificate program is open to any 'mid career' industry professional in India.

Course Fees:

Rs 15000/- + GST

[Register Here](#) >>

Course Instructors



Prof. Satyanarayanan Seshadri
Dept. of Applied Mechanics and
Biomedical Engineering, IIT Madras



Dr Charuta Kulkarni
Principal Scientist, School of
Sustainability, IIT Madras



Prof. Venkatraman Srinivasan
Dept. of Civil Engineering, IIT Madras



Prof. Indumathi Nambi
Dept. of Civil Engineering,
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Adjunct Faculty, Dept. of Engineering Design, IIT Madras,
CEO, Center for Excellence in Energy and
Telecommunications (CEET), IIT Madras



Dr Rahul Muralidharan
R & D Specialist,
The Energy Consortium, IIT Madras



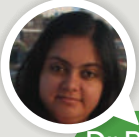
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Visiting Professor, Indo-German
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Dept. of Civil Engineering, IIT Madras



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Mr E. Nandkumar
CEO, International Centre for
Clean Water, IIT Madras



Module 1: Essentials of Sustainability

Instructors

Prof. Satyanarayanan Seshadri

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Biomedical Engineering, IIT Madras

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Principal Scientist, School of Sustainability,
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Module description

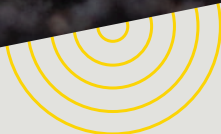
This introductory module speaks about the nuts and bolts of Sustainability and dives into the concept of circularity in the context of today's world. It scaffolds into brainstorming why sustainability makes sense for the businesses, helping shape the mindset essential for ideating real-world sustainable business strategies.

Concepts covered

- What is Sustainability and what is NOT Sustainability
- Climate Change, Risks, Adaptation
- Water Resources and Management
- Waste Management and Circular Economy
- Renewable Energy and Energy Efficiency
- Natural Resource Management
- Socio-cultural Dimensions and Resources for Sustainable Transformations
- The Business Case for Sustainability

Learning outcomes

- Systemic view into sustainability
- Elements of circularity in the system
- Sustainability-profitability trade-offs and synergies



Module 2: Measuring, Reporting and Re-assessing Sustainability

Instructors

Mr Madhavan Nampoothiri

Dept. of Management Studies,
IIT Madras
Co-Founder, NordESG, Germany.

Dr Parama Roy

Adjunct Faculty, Dept. of Civil Engineering, IIT Madras
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Mr Raghuttama Rao

CEO, Gopalakrishnan-Deshpande
Centre for Innovation & Entrepreneurship,
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Prof. Santosh Kumar Sahu

Dept. of Humanities and Social Sciences,
IIT Madras

Module description

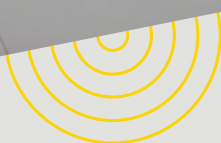
The module provides a critical review of the existing sustainability frameworks (e.g. ESG) to support envisioning practical sustainable scenarios beyond ESG. The module unfolds the Corporate Scenario Analysis toward Climate-related Risks and Opportunities as an intrinsic mechanism, thereby making a way for weaving external mechanisms (e.g. Public Private People Partnerships; Small-Medium Enterprises and Grassroot-level Innovations) in implementing sustainability. The discussion is rooted in the geopolitical context of India and its shifting Policy Landscape that, in turn, has implications for industries.

Concepts covered

- ESG Assessment
- Intrinsic and Extrinsic Sustainability Scenarios
- State and Fate of Reporting Frameworks
- India's Policy Landscape and its Business Implications

Learning outcomes

- How can we measure sustainability better using existing frameworks, both quantitatively and qualitatively?
- Why is it essential to go beyond the existing ESG reporting frameworks?
- How fine-tuning the intra-organizational policies can make a way for implementing external and socially-just means of implementing sustainability?
- Where is India in terms of defining climatic and environmental goals and what are its business implications?



Module 3: Sustainability Toolkit

Instructors

Prof. Ashwin Mahalingam
Dept. of Civil Engineering, IIT Madras

Prof. Vinu R
Dept. of Chemical Engineering, IIT Madras

Prof. Sivakumar Palaniappan
Dept. of Civil Engineering, IIT Madras

Prof. Ravindra Gettu
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Prof. Sathyanarayanan Seshadri
Dept. of Applied Mechanics and
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Prof. Rajnish Kumar
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CEO, International Centre for Clean Water,
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Dept. of Humanities and Social Sciences,
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Module description

As the name suggests, the module offers the toolkit for ideating Sustainability pathways from a cradle-to-grave. The discussion goes on introducing upcoming toolkits toward carbon and water measurements and gets into the mechanics of environmental economics, thinking aloud its limitations and ways forward.

Concepts covered

- Life Cycle Assessment (LCA): Significance, Stages, Tools, Challenges, Examples
- Carbon and Water Footprint Measurement Frameworks
- Environmental Policies and Practices

Learning outcomes

- Existing and upcoming frameworks for measuring and reporting sustainability
- Elements of environmental economics



Module 4: Actioning Sustainability

Instructors

Prof. Sathyanarayanan Seshadri

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Mr Raghuttama Rao

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Prof. Rajnish Kumar

Dept. of Chemical Engineering, IIT Madras

Prof. Ashwin Mahalingam

Dept. of Civil Engineering, IIT Madras

Module description

The final module is embedded with hands-on strategies on actioning Sustainability in the respective business settings. It will help put Sustainability in context of Indian and global scenarios to the extent that can positively influence the process of ideating, planning, implementation, and troubleshooting.

Concepts covered

- Case Studies from the Developed and Developing Worlds
- Crafting a Sustainable Strategy for Your Business
 - Selecting Relevant Framework(s)
 - Delineating Key Result Areas/Key Responsibility Areas
 - Identifying Periodic Review and Troubleshooting Mechanisms
- Review of Best Sustainability Practices and Key Takeaways

Learning outcomes

- International and national view into sustainability management
- Peer-learning through industry-specific case studies
- Development of action items for effectively implementing sustainable pathways



Contact Us

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