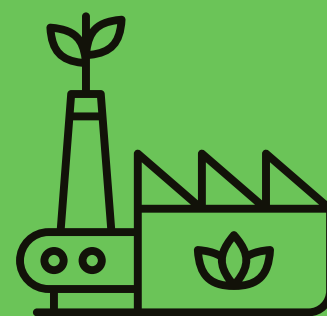


CII VIRTUAL WORKSHOP ON "GREEN MANUFACTURING"

27th –28th June 2024 (Thursday & Friday)
02:00 p.m. to 05:00 p.m.



The **future of manufacturing is green**. Manufacturing is a key contributor to India's economic growth as well as **reduction of CO2 footprint**. Given **India's ambitious commitment of achieving net zero by 2070**, focus is on *Green manufacturing with green products, processes and green Energy*

Manufacturing, as we know, is the process of turning raw materials into finished goods. That, by definition, is not sustainable. **A sustainable business is thus expected to create interchangeable inputs and outputs.**

Green Manufacturing, as a **method of manufacturing, minimizes waste and pollution**. Green Manufacturing **aims at utilizing minimum natural resources and conserve them for future generations**. The process refers to how goods and services are produced with **limited effects on the environment under present technological and economic challenges**.

Green Manufacturing, also known as **Lean & Green**, is an **approach to evaluating and improving the manufacturing process**. It's based on Lean manufacturing principles and thus **provides a dynamic, proven, and successful approach to going green**.

Ideally, a sustainable manufacturing plant would:

- Produce more with less time and cost
- Use green energy less carbon footprint
- Value addition in every activity
- Sustain in the competitive environment
- Produce zero waste
- Cleaner air and water with less Environment impact
- Improved customer satisfaction

Reaching any of the criteria mentioned above is indicative of a company's leadership in the domain of sustainability.



[Pic Courtesy : themanufacturer.com]

CII Naoroji Godrej Centre of Manufacturing Excellence (CII CME) is organizing a **2-day Virtual Session** on this crucial topic of **Green Manufacturing on 27th and 28th June 2024 (Thursday & Friday), from 2.00 p.m. to 5.00 p.m. on both days.**

Learning Objective

- Understand the various aspects of green manufacturing and the measures organization's may adopt to achieve sustainability across manufacturing processes, thus enabling resource efficiency and production network resiliency.

Key Takeaways

- Knowing green initiatives
- Developing green skills
- Ways to conserve fewer natural resources and Energy
- Calculating carbon foot print
- Cutting carbon emissions
- Reduce Waste Wherever possible
- Full Time Costing and reduced Costs
- Brand Recognition
- Ways to Leverage Renewable Energy
- Sustained growth of industry
- Future Developments and preparedness

Who Should Attend?

- Plant Head/Factory Head, Heads of R&D / Research Engineers.
- Senior and Middle level Managers, Engineers, Supervisors.
- CTO, Senior Technical Personnel Engineers supervisors, Process Specialists.
- Senior Technicians involved in Maintenance and Production Engineering.
- Industrial and Process Engineers, Total Quality Management (TQM)
- Products and Services providers in Smart Manufacturing Space / System Integrators / Consultants

Faculty: Dr M Velan, Environment Sustainability Expert with 40 years Industrial Experience

A **Renowned Environment / Sustainability Expert** with more than **four decades of industrial Experience** in the **field of Pollution Control, Power Generation and Green Energy Project** in MNCs. Empaneled as an **EIA Assessor, NABET, GOI. Member, State Environment Impact Assessment Authority, Govt of Puducherry.** Currently Adjunct professor., Indian Institute of Information Technology, Design and Manufacturing, Kancheepuram (IIITDM).

Platform and Methodology:

- Programme will be held virtually over the **Microsoft Teams platform.**
- **Power point presentation, Videos, Interaction with participation, Experience Sharing with examples of industrial life. Industrial case studies** will be shared.
- The **Session will be conducted in English.**

Content and Coverage

| Day | Module and Topics |
|--------------------------|--|
| Thursday, 27th June 2024 | <p>Module 1: Cleaner and Greener Production</p> <p>Topics:</p> <ul style="list-style-type: none"> • Introduction to Green Manufacturing, Principles, Goals and Objectives, Green energy, Green Process and Green Products • Lean manufacturing – Integrating lean manufacturing with Green Manufacturing • Sustainable Manufacturing • Greening the Supply Chain • Green Materials and Substitution • Life Cycle Analysis • EMS Framework • Full Cost Accounting • ESG Reporting • Energy Efficiency Strategies • Q&A |
| Friday, 28th June 2024 | <p>Module 2: Energy, Environment and Carbon Footprint</p> <p>Topics:</p> <ul style="list-style-type: none"> • Environmental laws and regulations related to Pollution and Prevention • Value Stream Mapping with case studies • Moving beyond the traditional 3 R's (Reduce, Reuse and Recycle) • Green Design and products • Carbon Intensity of Energy Sources • Why Carbon Matters to Manufacturers • How Manufacturers Pay for Energy • Energy conservation and Energy Efficiency Strategies • Carbon footprint calculations and reduction methods • Future Trends: IoT and AI in Green Manufacturing • Q&A |

Participation Fees

| Type of Organization | Fees per Participant |
|------------------------------------|------------------------|
| CII Small Scale Members (SSI) | INR. 6,500/- + 18% GST |
| CII Large and Medium Scale Members | INR. 7,500/- + 18% GST |
| Non-Member Companies of CII | INR. 8,500/- + 18% GST |

Special Discount:

- 5% on 2 nominations from an organization
- 10% to 3 and more nominations

Instructions

Payment of fees is to be drawn in favour of "Confederation of Indian Industry". Alternatively, it can also be made by NEFT /RTGS.

Please note that:-

- Prior registration for participation by the companies is necessary
- Nominations will be purely enrolled on first come first serve basis.
- Change in nomination(s) is/ are accepted
- There will be no refund of fees or adjustment against any other program
- Soft copy of the presentation will be shared with the participants post Session
- The Session will not be recorded

For Nominations & Enquiries, Please Contact:

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