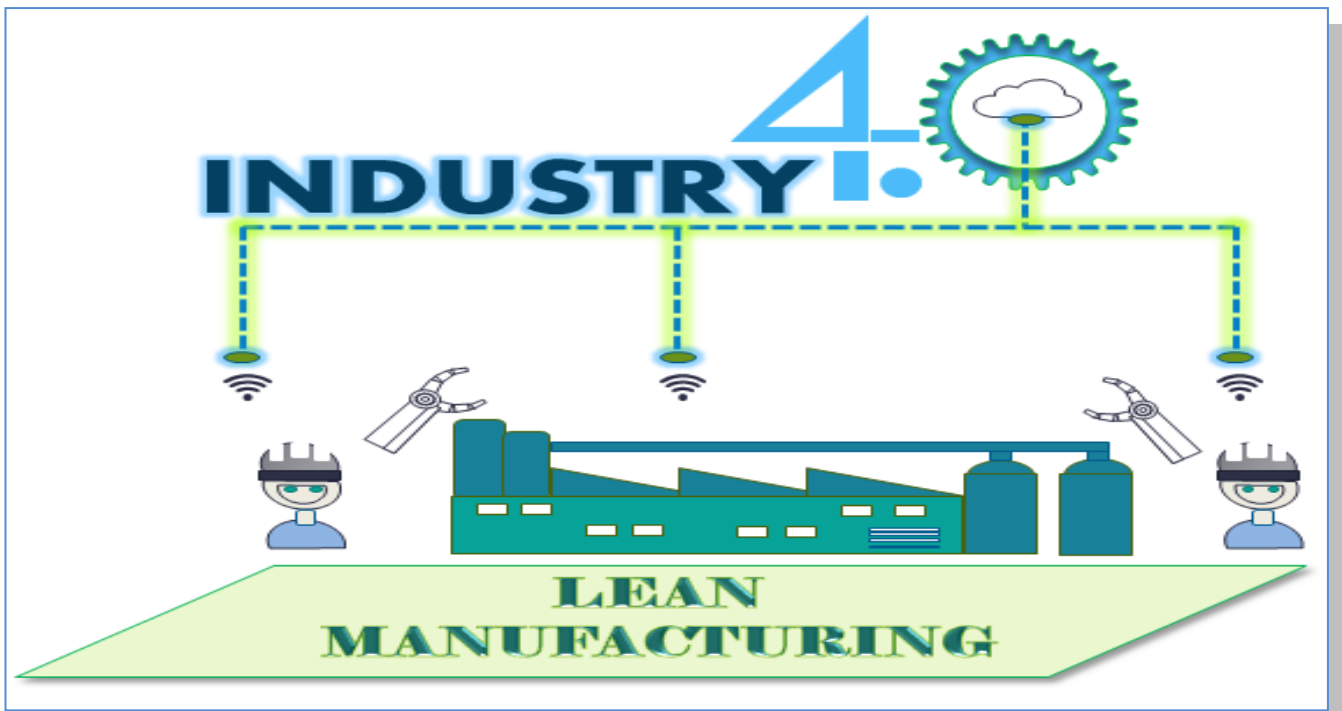




Training Program

on

Integrating Lean Manufacturing System and Industry 4.0 Concepts



13th to 17th February' 2023

Delhi

1. ABOUT NPC

National Productivity Council (NPC) is an autonomous organization under the Department of Promotion of Industry and Internal Trade, Ministry of Commerce & Industry, Government of India. The present expertise available in NPC has a resource base of professionals from fields such as Economics, Industrial Engineering, Human Resource Management, Energy, Environment, IT, Project Monitoring and Evaluation, Research Studies and Baseline Surveys. In addition, services of external professionals and subject matter specialists are also sought on need basis, depending upon the nature and scope of work. NPC extends services from its headquarter at New Delhi and 12 regional offices across the country manned by more than 100 full time professionals. NPC has professionals from diverse fields to provide Consultancy, Capacity Building and Project Monitoring Unit (PMU) services to various organisations including Central Government Ministries and State Governments.

2. PROGRAMME THEME

- Lean Manufacturing is a manufacturing philosophy which shortens the time line between the customer order and the product shipment by eliminating waste. The lean approach strengthens the foundation for achieving operational excellence by process standardization, sustaining a culture of Kaizen (continuous improvement) and empowering the workforce. The manufacturing landscape is fast changing and moving towards Industry 4.0 for enhancing productivity through digital capabilities.
- Industry 4.0 is characterized by the increasing digitization and interconnection of products, value chains and business models and is driven by an amalgamation of emerging technologies like data volumes, computational power, Internet of Things (IoT) etc.
- The systems and processes should be in place for effective implementation of Industry 4.0 concepts which may be achieved through Lean Manufacturing concepts.
- The training programme on Integrating Lean Manufacturing System & Industry 4.0 Concepts has thus been designed to apprise the participants with the latest technology trends in manufacturing i.e. Industry 4.0 and Lean Manufacturing concept. The world as we know and experience it today has been shaped by three major technological revolutions - Steam Engine, Mass Production and Computers & Electronics. Today we stand on the cusp of a fourth industrial revolution or Industry 4.0 which aligns the worlds of production and network connectivity with "Internet of Things" enabled manufacturing scenario. It is characterized by the increasing digitization and interconnection of products, value chains and business models.

3. LEARNING OBJECTIVES

- To acquaint the participants with an understanding of key concepts, tools and techniques of Lean Manufacturing through presentations, case studies, success stories, games etc.
- To impart knowledge of Industry 4.0 technologies, challenges & benefits, key strategic drivers etc.
- To enrich the participants about Integrating Lean Manufacturing System and Industry 4.0.

4. BROAD PROGRAMME COVERAGE

The following topics shall be covered during the training Program

- Lean Manufacturing-Its concepts and Applications
- Lean Manufacturing-Toolkit and Techniques
- 5S, Kaizen, PDCA, Poka Yoke, SMED, OEE, Root Cause Analysis, VSM etc.

- Implementation of Lean Manufacturing
- Industry 4.0-Concepts and Challenges
- Industry 4.0-Technologies
- Advanced Robotics, Additive Manufacturing (3D manufacturing), Data Analytics, Big Data, Cyber Security, Cloud Computing, IoT etc.
- Sensors, Controls and Drive Technology
- Smart Manufacturing Domains
- Use Cases: Industry 4.0 in Industry

5. METHODOLOGY

Methodology of the training program would be participative in nature. The sessions would be based on conceptual deliberations, case studies, success stories and group exercises/discussions.

6. PARTICIPANTS' PROFILE

All employees in Middle & Senior Management, working in Ministries, Central & State Government Departments, Central and State PSUs, Banks and financial institutions, Boards, Administrative Bodies, Co-operative Sector, MNCs and Private Sector, Universities, Academic Institutions etc.

7. FACULTY

The faculty for the training programme will comprise of senior NPC Experts and other renowned and experienced Trainers from the respective field.

8. PROGRAMME FEE & VENUE

Venue	DELHI
Programme Fee	Non-Residential: INR 20,500/- + GST (Rs. Twenty Thousand Five Hundred only) Plus GST @ 18%

Incentive for bulk nominations - For nominations along with receipt of **Online Payment or Demand Draft**, at least 20 days before the program date, NPC shall offer:

- 10% discount on programme fee for sponsoring 3-5 participants and
- 15% discount of programme fee for sponsoring more than 5 participants

9. CHECK-IN/CHECK-OUT INFORMATION

Check in at Hotel/Resort: 12 Noon Onwards on 13th February, 2023

Check out at Hotel/Resort: Before 12 Noon on 17th February, 2023

10. PAYMENT DETAILS

Programme fee inclusive of GST to be paid in advance and proof of payment to be attached along with application form

- **ECS Payment Details:** Indian Overseas Bank, 70, Golf Link, New Delhi Branch; A/c No. 026501000009207, IFSC Code. IOBA0000265
- Demand Draft should be drawn in the name of NATIONAL PRODUCTIVITY COUNCIL payable at NEW DELHI NPC'S PAN No: AAATN0402F, NPC'S GSTIN: 07AAATN0402F1Z8

As per GOI notification No. 9/2017-Integrated Tax (Rate) dated 28.06.17, Sr. No. 75, Heading 9992 (at page no. 19 of the notification) No GST is applicable where Services provided to the Central Government, State Government, UT Administration under any training programme for which total expenditure is borne by the Central Government, State Government, UT Administration.

11. HOW TO APPLY

Please apply in prescribed application format enclosed with this brochure. Nominations may be sent to the following address:

<p>The Training Coordinator National Productivity Council (NPC) 5-6 Institutional Area, Lodhi Road, New Delhi – 110003 Email Id: npctraining@npcindia.gov.in; Tel: 011-24607319</p>	<p>Program Coordinator Shri Aman Gulati Deputy Director-HRM National Productivity Council (NPC) 5-6 Institutional Area, Lodhi Road, New Delhi – 110003 Email Id: aman.gulati@npcindia.gov.in Mobile: 7982348583</p>
---	---

LAST DATE FOR RECEIVING CONFIRMED NOMINATIONS: 06.02.2023

The nominating authority of the participant's organisation may kindly ensure that the nomination(s) are sent within the prescribed deadline in the enclosed nomination form. For any correspondence related to this programme please mention the reference no.: **NPC/HQ/HRM/T7/22-23**

12. GENERAL INSTRUCTIONS

- Due to limited number of seats, the nominating authority of the participant's organisation may kindly ensure that the nomination(s) are sent within the prescribed deadline in the enclosed nomination form. Acceptance of the nominations is subject to the seat availability and receipt of programme fee latest by the last date for nominations.
- The Residential programme fee covers the professional fees towards training, board & lodge of the Participant(s). The fee once deposited is non-refundable, however, substitutions are allowed.
- The Non-residential programme fee covers the professional fee towards training, lunch and refreshments during the training program. The fee once deposited is non-refundable, however, substitutions are allowed.
- Each participant should carry their ID cards and necessary letters / orders issued by their department for attending the training program.

- NPC shall not bear any charges towards participants' to & fro travel from their residence / place of stay and the training program venue. All participants shall make their own arrangement towards to-and-fro travel from the venue on time as per the programme schedule.
- Participants are requested to assure their health and safety during the training period and NPC will not be liable for medical expenses incurred by the participants during the program.
- NPC will not provide boarding and lodging before and after the dates of programme. Participants planning to stay longer than the scheduled duration should arrange the same at their own cost.
- Settlement of additional bills: The hotel will be instructed to open separate folio for each participant. Participants may directly settle their additional dues regarding family member, laundry, telephone, mini bar, room service, overstay etc. with the hotel before checkout.
- The participants shall be awarded Certificate of Participation on successful completion of programme.
- Any other terms and conditions apply as may be notified by NPC at any point of time.
- Referring to GST guidelines, you are requested to confirm the applicability of GST payment for your department.
- Participants are required to follow the necessary COVID protocols during training.

FORTHCOMING TRAINING PROGRAMMES

Programme	Venue	Dates	Last Date	Participation Fee Per Person
Negotiation & Conflict Resolution Strategies NPC/HQ/HRM/T8/22-23	Goa	February 20-24, 2023	13/02/2023	55,000+ GST for Residential 30,500+ GST Non- Residential
Transformational Leadership & Team Building NPC/HQ/HRM/T9/22-23	Gangtok	March 13-17, 2023	06/03/2023	55,000+ GST for Residential 30,500+ GST Non- Residential
Negotiation & Conflict Resolution Strategies NPC/HQ/HRM/T10/22-23	Port Blair	March 13-17, 2023	06/03/2023	55,000+ GST for Residential 30,500+ GST Non- Residential

For further details of programme, please visit -
<https://www.npcindia.gov.in/NPC/User/TrainingHeadQuater>



NATIONAL PRODUCTIVITY COUNCIL

APPLICATION FORM FOR NOMINATIONS

Title of Programme: Integrating Lean Manufacturing System and Industry 4.0 Concepts at Delhi

Programme Duration: 13th to 17th February' 2023

I. Details of Nominated Participants:

S. No	Name of Delegate	Designation	Mobile No.	Email ID	Official Address for correspondence
1					
2					
3					
4					
5					

II. Details of Nominating Authority:

Name:

Designation:

Organization:

GST No:

Address

Contact Number:

Email ID:

Signature

III. Details of Proof of payment of Programme fee (RTGS / NEFT Details; Cheque, DD):_____

Payment Particulars

- **ECS Payment Details:** Indian Overseas Bank, 70, Golf Link, New Delhi Branch; A/c No. 026501000009207, IFSC Code. IOBA0000265
- In case of ECS Payment, the payment details should be intimated accordingly along with UTR number and Programme Code
- DD/Cheque should be drawn in the name of NATIONAL PRODUCTIVITY COUNCIL payable at NEW DELHI
- Programme Fees per Participant plus GST to be paid in advance
- PAN No: AAATN0402F, GSTIN: 07AAATN0402F1Z8