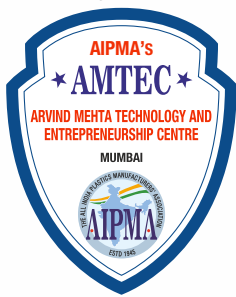


Organizer



www.amtecedu.org

Knowledge Partner



INDUSTRIAL MANAGEMENT PROGRAMMES

AIPMA's AMTEC

**ARVIND MEHTA TECHNOLOGY AND
ENTREPRENEURSHIP CENTRE (MUMBAI)**

A-53, Road No. 1, MIDC, Opp. Marol Bus Depot, Andheri (East), Mumbai - 400 093

T : 022 6777 8899 | E : contact@amtecedu.org

About AMTEC

AIPMA's AMTEC - ARVIND MEHTA TECHNOLOGY AND ENTREPRENEURSHIP CENTRE, MUMBAI

AIPMA with a goal to bring best practices and new improved technology to Manufacturing Industry has launched AIPMA's AMTEC - Arvind Mehta Technology & Entrepreneurship Centre (AMTEC). The setting up of the 'Centre of Excellence for Plastics Product Innovation and Application' with a vision to promote high quality knowledge and industrial services for rapid growth of the plastics and its application industry. The Centre of Excellence would help the MSME's in reducing overall time to design, develop and rapid roll out of products thereby increasing speed to global market. The Centre would help the industry to graduate from Micro to Small, Small to Medium and Medium to Large Enterprises in increasing its global market share in the next 3 years.

Mission

To disseminate emerging innovations, technologies and knowledge to make India global sourcing hub.

Vision

To become '**Institute of Eminence**' empowering rapid growth of Indian Plastic Industry.

About SSA

SSA is an international, domain agnostic management consulting company partnering for profit leadership by arresting profit leakages and improving competitive advantage.

It's competencies lie in fields such as envisioning & strategizing, research, business analytics, systems-engineering approach and problem solving. SSA enhances profit by arresting Profit Leakages through various interventions such as vendor integration, design optimization, quality improvement, business process optimization and IT enablement. In its journey for over two decades, SSA contributed value creation for more than 1000 industries in over 20 countries.



Mission

Inspire the Indian Plastic Industry Manufacturers to become the best in class global provider by setting a new benchmark in 'Quality & Excellence'.

Vision

To educate & ignite the minds of 50% of the Indian Plastic Manufacturers towards world class delivery by 2025, while the journey continues thereafter..



CERTIFICATION TRAINING PROGRAMS (VIRTUAL MODE)

EXCELLENCE IN LEADERSHIP

Envisioning and Strategy Planning

28TH & 30TH JUL, 2021
8 HRS / 4 HRS PER DAY
0.8 IACET CEUs

Objective

To develop the Leadership skills to challenge the status quo, envision & strategize for growing their business

Learning Outcome

1. Development of Mission & Vision statement
2. Short term & long-term goal setting
3. Strategy plan for 3 years & roadmap for actions
4. Leadership skills to engage & lead people
5. Create a performance culture

Who Should Attend?

- Business Owners, Senior Leadership Team, Functional Head, Middle Management Executive, People stepping into Leadership Position
- People who will be groomed as Change Leaders and Improvement Manager
- Internal Business Excellence Executives

Course Outline

1. What is leadership?
2. Why leadership is important to grow the enterprise
3. The roles & responsibilities of a leader
4. What are leadership skills & how to develop them?
5. Envisioning exercise – hands on
6. Goal setting – short & long term
7. Strategy planning – hands on exercise
8. Preparation of action plan for implementation



Profit Leadership & Profit Leakage Identification Workshop

25TH & 27TH AUG, 2021
8 HRS / 4 HRS PER DAY
0.8 IACET CEUs

Objective

To identify and estimate profit leakages across the various business processes

Learning Outcome

1. Learn Value Stream Mapping (VSM) techniques
2. Definition of profit leakage and estimation methods
3. Opportunity identification for improvements
4. Prioritization of projects
5. Benefit estimation

Who Should Attend?

- Business Owners, Senior Leadership Team, Functional Heads, Middle Management Executives, Improvement Managers, Internal Business Excellence Executives

Course Outline

1. Overview of mapping techniques
2. Value stream mapping of business processes
3. Identification of profit leakage points
4. Estimation of profit leakages
5. Action plan for implementation



New Product Introduction Lead Time Reduction

30TH NOV, & 1ST DEC, 2021

8 HRS / 4 HRS PER DAY

0.8 IACET CEUs

Objective

To prepare industries for achieving growth through "Make-In-India" opportunities by developing first time right new products with the shortest lead time.

Learning Outcome

1. Importance of new product development for growth & profitability of the business
2. Preparation of the 3S (Strategy, Structure & System) for product development

Who Should Attend?

- HODs and Managers from R&D, Product Development, Quality, Manufacturing, Engineering, Product Managers and Mold Design

Course Outline

1. The opening economy for "Make-in-India" and learnings from China
2. What NPI (new product introduction) means in industry and its objectives such as Lead time & First-time-right (FTR) quality
3. Importance of new products in growth and profitability of the business
4. Current deficiency in the current product development process
5. As is process scenario - technical deficiencies, system deficiency and other resources
6. What is the future state - Probable solutions
 - a. Technology of the product development process
 - b. The 3 S (Strategy, Structure & System) for product development
 - c. AIPMA's AMTEC resources for NPI (reverse engineering)
7. Hands-on exercise for designing NPI process for your industry



Scientific Process Validation for Cycle Time Reduction

27TH & 28TH JAN, 2022

8 HRS / 4 HRS PER DAY

0.8 IACET CEUs

Objective

To learn the scientific statistical techniques for establishing cycle time during new mold validation

Learning Outcome

1. Traditional validation process and disadvantages
2. Design of Experiments (DOE) for process validation

Course Outline

1. Importance of cycle time optimization for cost control
2. Traditional validation process and limitations
3. Cost impact due to higher cycle time
4. Critical process parameters that affect quality and productivity
5. Design of Experiments (DOE) technique for process validation
6. Case Study to compare cycle time before and after
7. Technical Session - Data science for process control and analysis (Industry 4.0)

Who Should Attend?

People from the following department:

- R&D, Product Development, Quality, Manufacturing and Engineering
- HODs and Managers from Stores & SCM
- Mold Designers, Process Engineers, Line Supervisors, Production In charge, Tool Room In charge



EXCELLENCE IN INFORMATION FLOW

Inventory Management for Working Capital Optimization

19TH & 21ST JAN, 2022
8 HRS / 4 HRS PER DAY
0.8 IACET CEUs

Objective

To design a Forecasting & Planning system for optimizing inventory

Learning Outcome

1. Product classification analysis
2. DDMRP principles & methods
3. Raw material planning design based on Forecasting & Planning
4. Production scheduling design based on Forecasting & Planning
5. Finished goods stocking design based on Forecasting & Planning
6. Change management methods

Who Should Attend?

- CxOs, Business Owners, SCM Head and Direct Reportees, People at the Tactical level, supervisors, quality personal, delivery incharge
- Key decision makers from the following functions: Marketing, SCM, Operations, Manufacturing, Quality assurance, Stores and Distributions.

Course Outline

1. Traditional planning methods & its disadvantages.
2. DDMRP design principles
4. Runner – Repeater – Stranger concept
5. Lean, Forecasting & Planning alignment
6. MTS / MTO classification methods.
7. Design of RM Forecasting & Planning planner
8. Design of Mfg Forecasting & Planning planner
9. Design of FG Forecasting & Planning planner
10. Implementation strategy & action plan.



Performance Management System (MIS)

16TH & 18TH FEB, 2022
8 HRS / 4 HRS PER DAY
0.8 IACET CEUs

Objective

To design and implement performance tracking and monitoring system through balanced scorecard

Learning Outcome

1. The importance of MIS
2. The cultural problems in implementing MIS
3. Data based governance system
4. Concept of Balanced scorecard and benefits

Course Outline

1. Conventional MIS systems and its disadvantages
2. The Management by Objectives (MBO)
3. Goal setting and creating accountability
4. Basics of Balanced scorecard
5. Design of MIS
6. Computerisation of MIS
7. Technical Session - Software available for performance management

Who Should Attend?

- CxOs, Business owners, Management team, Departmental heads from Finance and HR



MANUFACTURING EXCELLENCE

16TH & 18TH MAR, 2022

8 HRS / 4 HRS PER DAY

0.8 IACET CEUs

Reduction in breakdown through TPM

Objective

To learn the total productive maintenance (TPM) techniques, and apply for reducing machine downtime.

Learning Outcome

1. Traditional breakdown maintenance and its disadvantages
2. Estimating loss of productivity due to break down
3. Learning the Overall Equipment Effectiveness (OEE) measures
4. How to develop TPM culture

Course Outline

1. Basic idea of TPM and its origin
2. Equipment condition evaluation techniques
3. Data collection for OEE estimate
4. Calculation of OEE and its meaning
5. Root cause analysis of Major breakdowns
6. Autonomous maintenance methods
7. Preventive and predictive maintenance techniques
8. Spare parts optimization techniques
9. Technical Session - advanced technology available for spare parts optimization

Who Should Attend?

- CxOs, Business owners, HOD from Quality and Maintenance and their Direct Reportees, Quality engineer, product managers, supervisors, maintenance managers



Lean Mfg System for Plastic Processing Industry

20TH & 22ND APR, 2022

8 HRS / 4 HRS PER DAY

0.8 IACET CEUs

Objective

To learn the lean methodology, tools & techniques for optimizing manufacturing cost.

Learning Outcome

1. Diagnosing the baseline KPIs that control conversion cost.
2. KPIs governing manufacturing cost
3. Principles of Lean manufacturing systems
4. SSA's RMAOR approach for systematic Lean factory design.
5. Prepare a roadmap for factory design to improve throughput
6. Time and motion study techniques

Who Should Attend?

- CxOs, Management team, Departmental heads from quality, manufacturing - Key decision makers from the following functions: Operations, Manufacturing, Quality assurance, Maintenance dept
- Plant Heads & Managers
- Business Owners

Course Outline

1. Traditional manufacturing system and its disadvantages.
2. Background of Lean principles – History & evolution
3. Data collection and analysis of existing system and baselining.
4. Time & Motion study techniques to collect data.
5. How to identify product family?
6. How to create Flow manufacturing?
7. Plant Layout design for Lean flow line
8. Visual management systems
9. Material handling system principles.
10. Kanban principles & WIP buffer design
11. Case study from plastic processing industry
12. Technical session - Manufacturing technology equipments that will aid lean manufacturing



Material Cost Optimization System Design

18TH & 20TH MAY, 2022

8 HRS / 4 HRS PER DAY

0.8 IACET CEUs

Objective

To learn the tools & techniques for applying to optimize Material cost to improve Material to sales ratio (MS Ratio)

Learning Outcome

1. Material wastage area identification
2. Improvement Projects
3. Available technology for material optimization
4. Material accounting system

Who Should Attend?

People from the following department:

- R&D, Product Development, Quality, Manufacturing, Engineering, Store, SCM, Procurement, Maintenance, Quality Assurance.
- People from the Tool Room.
- Process Engineers from shop floor.
- Machine Manufacturers.
- People who are involved in machinery Accessories, Equipment and Ancillaries.

Course Outline

1. Types and sources of material wastages
2. Quantification of profit leakage
3. Available technology for material optimization
4. Role of new development process that effects material efficiency
5. How to make people accountable for material consumption
6. How to carry out cost benefit analysis
7. Performance tracking of material consumption (KPIs)
8. Technical session - Advanced material optimization technology in manufacturing



5S Implementation

22ND & 24TH JUN, 2022

8 HRS / 4 HRS PER DAY

0.8 IACET CEUs

Objective

To learn the importance of housekeeping for improving productivity through waste elimination

Learning Outcome

1. The importance of housekeeping
2. Role of shop floor personnel
3. 5S techniques and how to apply them
4. Change Management
5. Quality circle

Course Outline

1. Problems due to poor housekeeping
2. How housekeeping affects productivity and quality
3. 5 step approach for house keeping
4. Employee involvement in housekeeping
5. Design and implementation of quality circles
6. Introduction to Kaizen

Who Should Attend?

- CxOs, Business owners, Management team, Departmental heads from quality, manufacturing - Key decision makers from the following functions: Operations, Manufacturing, Quality assurance, Maintenance
- Plant Heads & Managers
- Business Owners, Operators



Reduction & rejection in rework through systematic problem solving (Six Sigma)

28TH & 30TH JUL, 2022

8 HRS / 4 HRS PER DAY

0.8 IACET CEUs

Objective

To learn the tools & techniques for applying six sigma technique for zero defect manufacturing

Learning Outcome

1. Six sigma DMAIC approach
2. Lean six sigma for problem solving
3. Cost of Poor Quality (COPQ) estimation methods

Who Should Attend?

- Business Owners, Functional Heads from Engineering, Manufacturing, Quality and R&D Department

Course Outline

1. Six sigma - RDMAIC
2. Project selection methods.
3. Basic statistical tools for analysis
4. Hands on for statistical tools.
5. A3 report
6. Key Task scheduler for project management
7. Role of Champions
8. Change management
9. Case study Discussion



FACULTY



NC NARAYANAN

Founder Chairman, SSA Group

- NC Narayanan, fondly known as 'NC', is the Founder Chairman of SSA Group. His personal mission when he founded SSA back in 1999 was to help industries achieve "Prosperity through Quality" – a goal that he has pursued with passion throughout his career spanning almost five decades.
- As a CEO coach and mentor for leadership teams, NC has made significant contributions to hundreds of industries and thousands of individuals across South Asia, Middle East and Africa where he has earned the reputation of a 'Transformation Catalyst'.
- He has authored many books on organizational transformation; his popular books include "Enigma of Lean", "Lean Six Sigma in a Nutshell" and "Statistical Guide for Six Sigma". McGraw Hill Education has published his latest book "Pragmatic Leadership" in which he deals with a systematic approach to mastering leadership through personal, team and organisational leadership.
- NC is a Gold Medallist in Mechanical Engineering from Anna University, and holds an MS (Research) in Computer Aided Design from the prestigious Indian Institute of Technology, Madras.



GANESH IYER

Vice Chairman, SSA Group

- Mr. Ganesh is a graduate Chemical Engineering from Mumbai University with Leadership Management Program from INSEAD, France. He is also a certified Demand Driven Planner Professional from Demand Driven Institute, USA and a certified PMP (Project Management Professional)
- He has more than 20 yrs of Industrial Experience, spanning across diverse sectors where led several assignments globally in the fields of manufacturing (plastics, pharma/ chemical/ refinery/ transformer/ white goods/ retail, oil & gas), services (logistics / finance / retail / ITES), business application systems)
- Mr. Ganesh has personally coached thousands of breakthrough improvements projects such as improved time to market, optimization of inventory, throughput improvement, HRM re-engineering, strategic lean transformation, systematic problem solving, business process re-engineering to name a few.



NAVEEN NARAYANAN

MD, SSA International

- Mr. Naveen is the Managing Director of SSA International LLC
- He has over 15 years of global management consulting experience in world of Lean Manufacturing, Strategy and Change Management.
- Mr. Naveen has led several corporate-wide transformation programs, mentored change agents, and produced Sustainable business results for clients across diverse sectors throughout Asia Pacific, Middle East and Africa.
- Mr. Naveen is currently pursuing his doctoral research in Lean Operational Excellence from the University of Buckingham. He is also a certified Demand Driven Planner Professional from Demand Driven Institute, USA and a certified PMP (Project Management Professional)



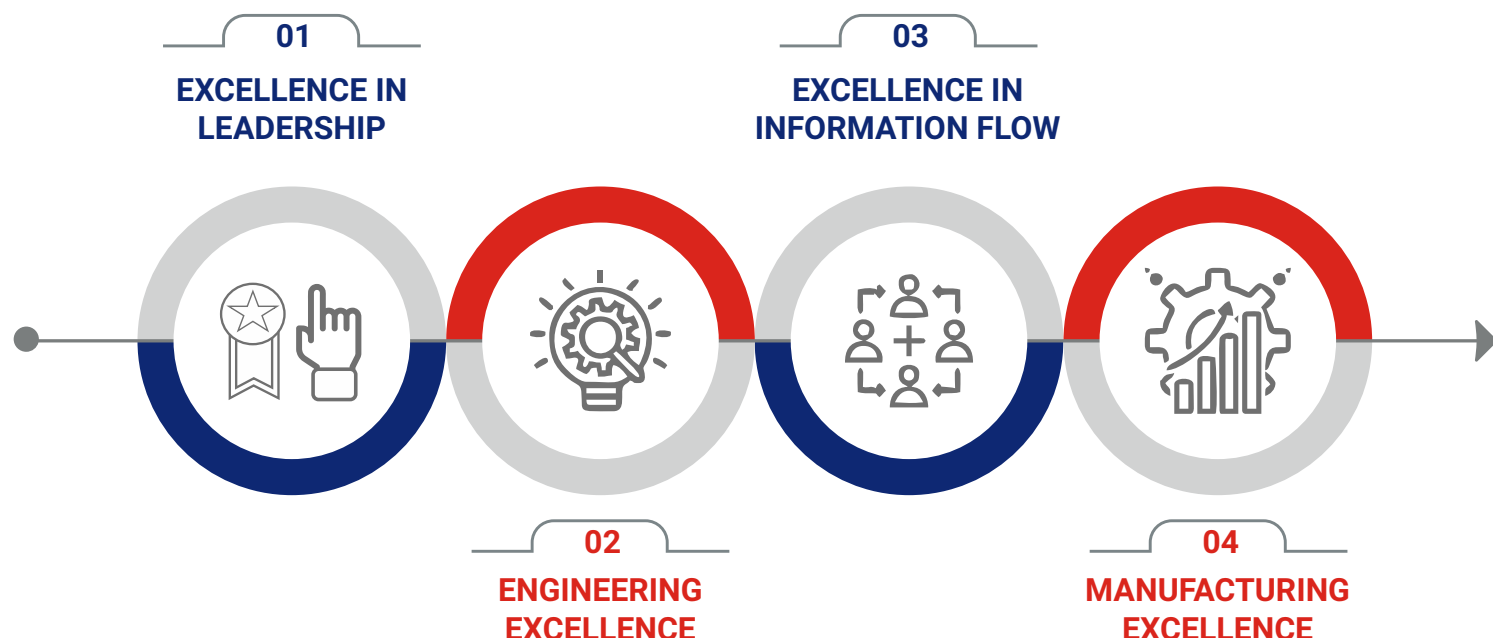
VIJAY DHONDE

CEO, SSA APAC

- Mr. Vijay Dhonde, CEO at SSA Business Solutions has over 24 years of industry experience with 15 years of experience in global management consulting in the area of Operational Excellence.
- Since last 15 years Mr. Vijay has led several transformation programs for hundreds of clients across diverse sectors where he has successfully implemented Lean, Six Sigma, TPM and various other tools & methodologies
- Prior to joining SSA Mr. Vijay held various key positions in the area of Quality with companies like Reliance Industries and Godrej Aerospace
- Mr. Vijay is a Mechanical engineer from Mumbai University with an MBA from IIM Ahmedabad.

PHASE 1	PHASE 2
THEME: EXCELLENCE IN LEADERSHIP Training Topics: <ol style="list-style-type: none"> Envisioning & Strategy Planning - 28TH & 30TH JUL, 2021 Profit Leadership & Profit Leakage Identification Workshop- 25TH & 27TH AUG, 2021 	THEME: ENGINEERING EXCELLENCE Training Topics: <ul style="list-style-type: none"> New Product Introduction Lead Time Reduction - 20TH & 22ND OCT, 2021 Scientific Process Validation for Cycle Time Reduction - 24TH & 27TH NOV, 2021
PHASE 3	PHASE 4
THEME: EXCELLENCE IN INFORMATION FLOW Training Topics: <ul style="list-style-type: none"> Inventory Management for Working Capital Optimization - 19TH & 21ST JAN, 2022 Performance Management System (MIS) - 16TH & 18TH FEB, 2022 	THEME: MANUFACTURING EXCELLENCE Training Topics: <ul style="list-style-type: none"> Reduction in breakdown through TPM - 16TH & 18TH MAR, 2022 Lean Manufacturing System for Plastic Processing Industry - 20TH & 22ND APR, 2022 Material Cost Optimization System Design - 18TH & 20TH MAY, 2022 5S Implementation - 22ND & 24TH JUN, 2022 Reduction in rejection in rework through systematic problem solving (Six Sigma) - 28TH & 30TH JUL, 2022

PHASES IN PROGRAM



For Registration Enquiries, please call Mr. Parag Kudle - +91 72089 96158



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