
Manufacturing Technology Training
An IMTMA initiative
ANNUAL
TRAINING CALENDAR
Online
2025-26
Training Registration Link: Click Here

Sl No	April 2025	May 2025	June 2025
1	ASME Certified Geometric Dimensioning & Tolerancing (GD&T) in Design through Manufacturing - Senior Level	Enhancing productivity in Grinding operations	ASME Certified - PD: 694 –Training on Geometric Dimensioning and Tolerancing in Design thru Manufacturing (for GDTP-Technologist Level)
2	How to reduce Cost of Poor Quality (COPQ)	Implementing Toyota Production System Why What and How?	Measurement System Analysis (MSA)
3	"Fundamentals of Advanced Product Quality Planning (APQP)	Defects Analysis and Troubleshooting of Injection Moulded Plastic Parts	Metallurgy for Non-Metallurgists
4	and Implementation of the Production Part Approval Process (PPAP)"	Design for welding - Scientific approach for strength and cost optimization	TRIZ: Shortcut to Innovative Solutions
5	Good Earthing Practices	DNA of a Star Sales Performer	Implementing Industry 4.0 in Indian context
6	Design and Processing Techniques for Plastic Parts	Design For Manufacturing and Assembly (DFMA) – Plastics, Sheetmetal, Castings, Forgings and Machined Parts	Advanced Heat Treatment Processes in Metal Working
7	Best Practices in Supply Chain Management for Survival and Growth	Defect analysis and troubleshooting of casting	Best Practices for Manufacturing Cost Reduction
8	Workplace Organization Productivity	Primer Course on Sheet Metal Forming Technology	Engineering Materials and their selection - Key to Successful Design
9	Operational excellence through QCD improvement	How to bring in energy efficiency at Plant level?	Design and Processing Techniques for Sheet Metal Parts
10	Lean Daily Work Management (DWM) System	Welding Technology for Practicing Engineers	
11	Implementing SPC, a Game Changer for Cost Reduction	Certified specialist in Root cause analysis	
12	A3 Problem solving methodology – As Per Toyota Production System		

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Sl No	July 2025	August 2025	September 2025
1	Effective new product development (NPD) process	ASME Certified Geometric Dimensioning & Tolerancing (GD&T) in Design through Manufacturing - Senior Level	Enhancing productivity in Grinding operations
2	How to become an effective FMEA Practitioner as per combined AIAG & VDA Version	How to reduce Cost of Poor Quality (COPQ)	Implementing Toyota Production System Why What and How?
3	Value engineering and value analysis (VA/VE)	"Fundamentals of Advanced Product Quality Planning (APQP)	Defects Analysis and Troubleshooting of Injection Moulded Plastic Parts
4	8D Problem Solving Methodology and 7QC Tools	and Implementation of the Production Part Approval Process (PPAP)"	Design for welding - Scientific approach for strength and cost optimization
5	How to Improve OEE and Achieve Manufacturing Excellence	Good Earthing Practices	DNA of a Star Sales Performer
6	Light-Weighting of Automobiles	Design and Processing Techniques for Plastic Parts	Design For Manufacturing and Assembly (DFMA) – Plastics, Sheetmetal, Castings, Forgings and Machined Parts
7	Induction Hardening and Other Surface Heat Treatment Processes	Best Practices in Supply Chain Management for Survival and Growth	Defect analysis and troubleshooting of casting
8	CE Marking - Compliance requirements for Export Markets - Europe, North America & GCC countries	Workplace Organization Productivity	Primer Course on Sheet Metal Forming Technology
9	War on Waste	Operational excellence through QCD improvement	How to bring in energy efficiency at Plant level?
10	Cleaning of Machined Parts - Need, Process, Do's and Don'ts	Lean Daily Work Management (DWM) System	Welding Technology for Practicing Engineers
11	Machining Aerospace Materials		A3 Problem solving methodology – As Per Toyota Production System
12			Antifriction Bearings - Selection, Types, Applications and Evaluation Bearing Life
15			
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Sl No	October 2025	November 2025	December 2025
1	ASME Certified - PD: 694 –Training on Geometric Dimensioning and Tolerancing in Design thru Manufacturing (for GDTP-Technologist Level)	Effective new product development (NPD) process	ASME Certified Geometric Dimensioning & Tolerancing (GD&T) in Design through Manufacturing - Senior Level
2	Measurement System Analysis (MSA)	How to become an effective FMEA Practitioner as per combined AIAG & VDA Version	How to reduce Cost of Poor Quality (COPQ)
3	TRIZ: Shortcut to Innovative Solutions	Value engineering and value analysis (VA/VE)	"Fundamentals of Advanced Product Quality Planning (APQP)
4	Implementing Industry 4.0 in Indian context	8D Problem Solving Methodology and 7QC Tools	and Implementation of the Production Part Approval Process (PPAP)"
5	Advanced Heat Treatment Processes in Metal Working	How to Improve OEE and Achieve Manufacturing Excellence	Good Earthing Practices
6	Best Practices for Manufacturing Cost Reduction	Metallurgy for non-metallurgists	Design and Processing Techniques for Plastic Parts
7	Engineering Materials and their selection - Key to Successful Design	Light-Weighting of Automobiles	Best Practices in Supply Chain Management for Survival and Growth
8	Design and Processing Techniques for Sheet Metal Parts	Induction Hardening and Other Surface Heat Treatment Processes	Workplace Organization Productivity
9		CE Marking - Compliance requirements for Export Markets - Europe, North America & GCC countries	Operational excellence through QCD improvement
10		War on Waste	Lean Daily Work Management (DWM) System
11		Machining Aerospace Materials	
12		Certified specialist in Root cause analysis	

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Sl No	January 2026	February 2026	March 2026
1	Enhancing productivity in Grinding operations	ASME Certified - PD: 694 –Training on Geometric Dimensioning and Tolerancing in Design thru Manufacturing (for GDTP-Technologist Level)	Effective new product development (NPD) process
2	Implementing Toyota Production System Why What and How?	Measurement System Analysis (MSA)	How to become an effective FMEA Practitioner as per combined AIAG & VDA Version
3	Defects Analysis and Troubleshooting of Injection Moulded Plastic Parts	TRIZ: Shortcut to Innovative Solutions	Value engineering and value analysis (VA/VE)
4	Design for welding - Scientific approach for strength and cost optimization	Implementing Industry 4.0 in Indian context	8D Problem Solving Methodology and 7QC Tools
5	DNA of a Star Sales Performer	Advanced Heat Treatment Processes in Metal Working	How to Improve OEE and Achieve Manufacturing Excellence
6	Design For Manufacturing and Assembly (DFMA) – Plastics, Sheetmetal, Castings, Forgings and Machined Parts	Best Practices for Manufacturing Cost Reduction	Metallurgy for Non-Metallurgists
7	Defect analysis and troubleshooting of casting	Engineering Materials and their selection - Key to Successful Design	Light-Weighting of Automobiles
8	Primer Course on Sheet Metal Forming Technology	Design and Processing Techniques for Sheet Metal Parts	Induction Hardening and Other Surface Heat Treatment Processes
9	How to bring in energy efficiency at Plant level?	Cleaning of Machined Parts - Need, Process, Do's and Don'ts	CE Marking - Compliance requirements for Export Markets - Europe, North America & GCC countries
10	Welding Technology for Practicing Engineers		War on Waste

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ANNUAL TRAINING CALENDAR Classroom-Bangalore 2025-26

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Sl No	April 2025	May 2025	June 2025	July 2025
1	VFD Technology for Industrial Applications and Energy Saving	Design of Fixtures for Machining Applications - A practical approach	Defect Analysis and Trouble Shooting in Painting and Powder Coating Applications	Design of Servo Axis
2	Geometric Dimensioning and Tolerancing (GD&T) in Design through Manufacturing	Hands-on training in Industrial Robot Programming & Operation	Negotiate To Win	Effective deburring of metallic, machined components
3	Kaizen Methodology and Poka Yoke	Surface Plating and Protection Technology	Artificial Intelligence for Smart Manufacturing	ISO 14001:2015 Internal Auditor (IA) Training Program
4	Essentials of VDA 6.3 implementation	INDUSTRY 4.0 CHAMPIONSHIP PROGRAM	Hands-on training in PLC Programming and Networking	Quick changeover techniques (SMED) in Discrete Manufacturing
5	Fundamentals of Injection Mould Design	Maintenance Troubleshooting & Design of Hydraulics & Pneumatics Systems	Advanced Concepts of GD&T	Metal Casting Technology- Processes, DFM, Quality and Cost Consideration
6	Introduction to Digital Factory	Systematic Shopfloor Management (SSM)	ISO 45001: 2018 (Occupational Health and Safety Management System- Internal Auditor)	Selection and sizing of Motors for Industrial Applications
7	Design Thinking	ISO 9001:2015 (QMS IA) Internal Auditor	Design of Gear Box	Advanced Purchase and Procurement Practices to Enhance Competitiveness
8	LM Guideways and Ball screws- Types, Applications, Selection, Assembly and Troubleshooting	Materials Management and Inventory Control	5 Axis CNC Programming using Mastercam	Electrical Engineering Fundamentals for Non-Electrical Engineers
9	Plant maintenance – Electrical aspects	Hands-on training in Operation and Programming of CNC Co-ordinate Measuring Machines (CMMs)	World Class Manufacturing - What, Why and How; Tools and Techniques	Hands-on training on Designing and Operating Electrical Control panels
10	Business Planning and Budgeting for Sustained Profitibility	Motion Control & Servo Technology	Tolerance Stack-Up Analysis	Care for Machine Tool Spindles - Systematic Approach for Spindle Maintenance
11		Finite Element Methods(FEM) for Structural Design - How and Why?	Value Stream Mapping	Surface Finishing
12		Industrial Sensors- Types, Selection, Applications for process Control	Heat Treatment- Metallurgy and Processes	

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Sl No	August 2025	September 2025	October 2025	November 2025
1	Geometric Dimensioning and Tolerancing (GD&T) in Design through Manufacturing	Design of Fixtures for Machining Applications - A practical approach	Surface Plating and Protection Technology	Design of Servo Axis
2	Effective Maintenance Towards Zero Down Time (ZDT) - Electrical Aspects of CNC Machines	Hands-on training in Industrial Robot Programming & Operation	Hands-on training in PLC Programming and Networking	Negotiate To Win
3	Essentials of VDA 6.3 implementation	VFD Technology for Industrial Applications and Energy Saving	Advanced Concepts of GD&T	Artificial Intelligence for Smart Manufacturing
4	Fundamentals of Injection Mould Design	INDUSTRY 4.0 CHAMPIONSHIP PROGRAM	ISO 45001: 2018 (Occupational Health and Safety Management System- Internal Auditor)	Effective Maintenance Towards Zero Down Time (ZDT) - Electrical Aspects of CNC Machines
5	Introduction to Digital Factory	Maintenance Troubleshooting & Design of Hydraulics & Pneumatics Systems	Design of Gear Box	ISO 14001:2015 Internal Auditor (IA) Training Program
6	Reliability Engineering - Concept, Calculations, Techniques and Tools	Systematic Shopfloor Management (SSM)	Hands-on training in Operation and Programming of CNC Co-ordinate Measuring Machines (CMMs)	Selection and sizing of Motors for Industrial Applications
7	LM Guideways and Ball screws- Types, Applications, Selection, Assembly and Troubleshooting	ISO 9001:2015 (QMS IA) Internal Auditor	Motion Control & Servo Technology	Tolerance Stack-Up Analysis
8	Lean 4.0 Integration & Enhancement of Lean with I4.0	Materials Management and Inventory Control	World Class Manufacturing - What, Why and How; Tools and Techniques	Value Stream Mapping
9	Finance for Non-Finance	Kaizen Methodology and Poka Yoke	Finite Element Methods(FEM) for Structural Design - How and Why?	Industrial Sensors- Types, Selection, Applications for process Control
10	Creativity and Innovation	Cost and Cycle Time Reduction in CNC Machining applications (Milling and Hole Making Operations)	Heat Treatment- Metallurgy and Processes	Plant maintenance – Electrical aspects
11		Design Thinking		
12		Business Planning and Budgeting for Sustained Profitibility		

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Sl No	December 2025	January 2026	February 2026	March 2026
1	Defect Analysis and Trouble Shooting in Painting and Powder Coating Applications	Design of Fixtures for Machining Applications - A practical approach	Hands-on training in PLC Programming and Networking	Design of Servo Axis
2	Geometric Dimensioning and Tolerancing (GD&T) in Design through Manufacturing	Hands-on training in Industrial Robot Programming & Operation	Advanced Concepts of GD&T	Surface Plating and Protection Technology
3	Quick changeover techniques (SMED) in Discrete Manufacturing	Effective deburring of metallic, machined components	ISO 45001: 2018 (Occupational Health and Safety Management System- Internal Auditor)	Artificial Intelligence for Smart Manufacturing
4	Metal Casting Technology- Processes, DFM, Quality and Cost Consideration	VFD Technology for Industrial Applications and Energy Saving	Design of Gear Box	Effective Maintenance Towards Zero Down Time (ZDT) - Electrical Aspects of CNC Machines
5	Advanced Purchase and Procurement Practices to Enhance Competitiveness	INDUSTRY 4.0 CHAMPIONSHIP PROGRAM	Cost and Cycle Time Reduction in CNC Machining applications (Milling and Hole Making Operations)	ISO 14001:2015 Internal Auditor (IA) Training Program
6	5 Axis CNC Programming using Mastercam	Maintenance Troubleshooting & Design of Hydraulics & Pneumatics Systems	Motion Control & Servo Technology	Kaizen Methodology and Poka Yoke
7	Electrical Engineering Fundamentals for Non-Electrical Engineers	Systematic Shopfloor Management (SSM)	World Class Manufacturing - What, Why and How; Tools and Techniques	Selection and sizing of Motors for Industrial Applications
8	Essentials of VDA 6.3 implementation	ISO 9001:2015 (QMS IA) Internal Auditor	Hands-on training on Designing and Operating Electrical Control panels	Hands-on training in Operation and Programming of CNC Co-ordinate Measuring Machines (CMMs)
9	Fundamentals of Injection Mould Design	Materials Management and Inventory Control	Design Thinking	Tolerance Stack-Up Analysis
10	Introduction to Digital Factory	Reliability Engineering - Concept, Calculations, Techniques and Tools	Heat Treatment- Metallurgy and Processes	Finite Element Methods(FEM) for Structural Design - How and Why?

11	Finance for Non-Finance	LM Guideways and Ball screws- Types, Applications, Selection, Assembly and Troubleshooting	Lean 4.0 Integration & Enhancement of Lean with I4.0	Business Planning and Budgeting for Sustained Profitibility
12	Care for Machine Tool Spindles - Systematic Approach for Spindle Maintenance	Creativity and Innovation	Surface Finishing	

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ANNUAL TRAINING CALENDAR Classroom-Pune 2025-26

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Sl No	April 2025	May 2025	June 2025	July 2025
1	Mastering 5-Axis CNC Programming Advanced Techniques and Strategies	Manufacturing Drawing Interpretation Retrieving Quality Parameters and Measurements	Mastering Manufacturing Process: Optimization through the right selection of Cutting Tools and Cutting Parameters in Milling Applications	Assembly, welding and inspection fixtures - Design and manufacturing
2	Quick changeover techniques (SMED) in Discrete Manufacturing	Process Planning and Programming in CNC Turning Applications	Care for Machine Tool Spindles - Systematic Approach for Spindle Maintenance	Effective CNC Maintenance-Electrical Aspects
3	Gear Manufacturing - Hobbing and Shaping Processes	Advanced Programming for CNC Machining Centres	Machine Tool Spindles - Design Approach	Hands-on training in Operation of CNC Co-ordinate Measuring Machines (CMMs)
4	Hands-on Training in Dimensional Metrology and Inspection	Programming for CNC Turning and Milling – Siemens and Fanuc Controller	"Maintenance, Troubleshooting of Hydraulics & Pneumatics	Curriculum development based on ability structure (CUDBAS)
5	Fundamentals of Painting Technology	Burr Management in Machining- Burr Minimization and Finishing of Edges	systems"	16 Major Losses in TPM
6	28 Major Losses in WCM	"Geometric Dimensioning & Tolerancing (GD&T) in Design	"Selection, Assembly & Trouble shooting of Linear Motion	Low Cost Automation
7	Advanced Quality Tools	through Manufacturing"	Guideways & Ball Screws for Industrial Machinery"	Design of Gears & Gears Boxes
8	FEA / FEM Using ANSYS - A Practical Approach Training	Defects Analysis of Paint & Powder Coating Applications	Gear Metrology & Measurement Methods	Machine design- Automation
9		Design of Stamping Dies for Sheet Metal Parts	Stamping Die Maintenance: A Way Forward for Enhancing Die Life and Product Quality	CONVERT CONTACTS TO CONTRACTS
10		Programmable Logic Controller (PLC) - Basic Programming and Troubleshooting	Process and Die Design - Hot Forging Applications	

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Sl No	August 2025	September 2025	October 2025	November 2025
1	Training Programme on Braking (CBS) Mechanical & Hydraulic	Cost and Cycle time reduction in CNC Turning applications	Mastering 5-Axis CNC Programming Advanced Techniques and Strategies	Cost and Cycle Time Reduction in CNC Machining applications (Milling and Hole Making Operations)
2	Surface Plating and Protection Technology	Challenges & solutions in Thread cutting	"Geometric Dimensioning & Tolerancing (GD&T) in Design through Manufacturing"	Burr Management in Machining-Burr Minimization and Finishing of Edges
3	IDR approach - Trouble Shooting Component Defects in a Press Shop	Quick changeover techniques (SMED) in Discrete Manufacturing	Gear Manufacturing - Hobbing and Shaping Processes	Machine Tool Spindles - Design approach
4	Tube Forming - Equipment, Process, Applications and Latest Trends	Importance of Safety in Maintenance	"Strategies for Learning & Winning Organization"	Maintenance, Troubleshooting of Hydraulics & Pneumatics Systems
5	Hot Forging Technology - Processes, DFM, Quality and Cost Considerations	Machining Defects Analysis and Troubleshooting	28 Major Losses in WCM	Hands-on Training in Dimensional Metrology and Inspection
6	5S for Operational Excellence	Defects Analysis of Paint & Powder Coating Applications	Zero defects in welding applications	Hands-on training in Operation of CNC Co-ordinate Measuring Machines (CMMs)
7	"Growth Mindset	Latest Trends & Applications in Fine Blanking Technology		Communication Fitness for Corporate Professional
8	Development"	Programmable Logic Controller (PLC) - Basic Programming and Troubleshooting		SCADA Interpretations
9	Human Error Prevention	Hands On Training on Machine Tool Design - CNC GPM / SPM		Aluminium Forging
10	Visual management and control	Cutting Tool Management		OEE & Productivity Improvement Techniques
		How to reduce setup time in machining centre		Laser Cutting
		Machine Breakdown Analysis		

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1	Interpretation of manufacturing drawing and Measurements	Mastering Manufacturing Process: Optimization through the right selection of Cutting Tools and Cutting Parameters in Milling Applications	Advanced Programming for CNC Machining Centres	Cost and Cycle Time Reduction in CNC Machining applications (Milling and Hole Making Operations)
2	Manufacturing processes and Programming in CNC turning Centres	Cost and Cycle time reduction in CNC Turning applications	Programming for CNC Turning and Milling – Siemens and Fanuc Controller	Geometric Dimensioning & Tolerancing (GD&T) in Design through Manufacturing
3	Design of Gauges	Design of Fixtures for Machining Applications - A practical approach	Challenges & solutions in Thread cutting	Importance of Safety in Maintenance
4	Selection, Assembly & Trouble shooting of Linear Motion Guideways & Ball Screws for Industrial Machinery	Surface Finish - Measurement and Improvement	Mastering 5-Axis CNC Programming Advanced Techniques and Strategies	
5	Gear Metrology & Measurement Methods	Assembly, welding and inspection fixtures - Design and manufacturing	Quick changeover techniques (SMED) in Discrete Manufacturing	
6	Fundamentals of Painting Technology	Effective CNC Maintenance-Electrical Aspects	Training Programme on Braking (CBS) Mechanical & Hydraulic	
7	Advanced Technologies in Sheet Forming	Surface Plating and Protection Technology	Machining Defects Analysis and Troubleshooting	
8	Design of Stamping Dies for Sheet Metal Parts	Tube Forming - Equipment, Process, Applications and Latest Trends	IDR approach - Trouble Shooting Component Defects in a Press Shop	
9	Inventory & Logistic Cost Reduction	Hot Forging Technology - Processes, DFM, Quality and Cost Considerations	Latest Trends & Applications in Fine Blanking Technology	
10	Basics of Metallurgy			
11	Customer Complaint Management			

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Sl No	April 2025	May 2025	June 2025	July 2025
1	Statistical Process Control (SPC)	Measurement System Analysis (MSA) - 4th edition	FMEA	7 QC Tools
2		Industrial Robot programming	Basic GD&T	Measuring Instruments & Metrology
3			PLC, HMI, SENSORS, SCADA	Additive Manufacturing

Sl No	August 2025	September 2025	October 2025	November 2025
1	Problem Solving Tools and Techniques	Design of Experiment (DOE)	Statistical Process Control (SPC)	Measurement System Analysis (MSA) - 4th edition
2	Heat Treatment & Metallurgy	Tolerance Stackup Analysis	CNC programming for Machining Centres	CMM and Metrology
3	Non-Destructive Testing (NDT)	Hydraulics & Pneumatics		Problem Solving Tools and Techniques

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1	FMEA	7 QC Tools	Problem Solving Tools and Techniques	Design of Experiment (DOE)
2	Basic GD&T	Measuring Instruments & Metrology	Heat Treatment & Metallurgy	Tolerance Stackup Analysis
3	Non-Destructive Testing (NDT)	Welding Technology & Inspection Methods	How to improve OEE and achieve Manufacturing Excellence	

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