ASME PD694 – Training on Fundamentals of Geometric Dimensioning and Tolerancing (GD&T) in Design through Manufacturing (for ASME Y14.5-2009 GDTP Technologist Level - Virtual Classroom)

In today's high-precision manufacturing landscape, clear design communication is non-negotiable. Ambiguous drawings lead to costly scrap, inspection bottlenecks, and missed launch deadlines.
Geometric Dimensioning and Tolerancing (GD&T) is the universal language that bridges the gap between design intent and the shop floor. By establishing a unified standard across design, manufacturing, and quality teams, GD&T directly reduces rework, optimizes inspection costs, and accelerates time-to-market.

SCHEDULE AND MODE

- 10th to 13th August 2026
- 09:00 AM - 02:00 PM IST
- Live Instructor-led Virtual Classroom
- Course materials are included

INVESTMENT

Per participant [per login]

- Indian Participants: ₹20,000/- + GST
- International Participants: 750 USD

10% Discount available for:

- ASME Profesional members
- Group registrations [3+ attendees]

📌Why Train with an ASME Authorized Training Provider (ATP)?

Prolotek Technologies is a specialized engineering training and consulting organization committed to making engineering education practical, industry-relevant, and easy to apply. **Prolotek Technologies** is an **ASME Authorized Training Provider**. We deliver rigorous, industry-proven programs strictly aligned with the **ASME Y14.5-2009 standard.**

🎓Dual certification:

Upon successful completion, participants receive a prestigious **Certificate of Completion** jointly issued by **ASME and Prolotek Technologies**, a powerful milestone for professional validation.

🎯Who should attend?

This foundational course is ideal for engineers, draftspersons, machinists, and quality inspectors with minimal or no prior GD&T experience who want to build an unshakeable technical foundation using industry best practices in GD&T in accordance with ASME Y14.5M-2009 standard.

🔍Core Focus Areas:

- **The Blueprint:** Translating functional design intent into clear geometric controls.
- **The Practicality:** Real-world case studies, physical assembly examples, and hands-on exercises.
- **The Exam:** Target-driven preparation for the official ASME GDTP Technologist certification.

✏️Learning Outcome

- Explain GD&T terms and definitions
- Describe the relationship of geometric characteristics and feature types, such as RFS, MMC and LMC conditions, and calculate bonus tolerance
- Inspect GD&T features using conventional, CMMs & Functional gages
- Apply GD&T to drawings
- Apply GD&T controls for new product development using case studies
- Describe ASME Y14.5-2009 standard rules
- **4 months complimentary ASME professional membership** for non-member participants

👩‍🏫Instructor profile:

Palaniyappan Kailasam (Palani Kailash), is the Founder Director of Prolotek Technologies and an internationally recognized expert in Geometric Dimensioning and Tolerancing (GD&T) with over 25 years of industry and training experience. He holds the prestigious **ASME GDTP Senior Certification** and is an empanelled **ASME Authorized Training Instructor (ATI)**, placing him among an elite group of educators qualified to deliver official ASME curriculum.

Palani Kailash began his professional journey as a Junior Technical Consultant in IMTMA Design Institute, establishing a deep foundation in machine tool design. His Industry career includes engineering leadership roles in Bosch Limited, managing concept engineering, detailed design, proposal engineering, and new product development projects. Building on this extensive experience, he has trained over 6,700 engineering professionals and students worldwide. He has developed and delivered specialized programs in GD&T, Tolerance Stack-up Analysis, and Engineering Drawing Interpretation for some of the world's most rigorous engineering organizations like ISRO (VSSC & LPSC), Tata Advanced Systems, Ather Energy, Royal Enfield, BorgWarner, Toyota Industries, Renishaw, Knorr-Bremse, Wabtec to name a few. Bridging ASME standards and real-world engineering practice to develop the next generation of GD&T professionals.

REGISTRATION

Prior registration with an online advance payment is must. Number of participants is limited and will be accepted on 'First Come First Serve' basis.

Contact:

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