



**PSG Institute of Advanced Studies  
Coimbatore 641 004**

## **Announces**

### **One Day Workshop on**



### **CMM Applications on GD & T**

**10<sup>th</sup> September, 2022**

#### **Venue:**

**Centre for Advanced Tooling & Precision Dies  
PSG INSTITUTE OF ADVANCED STUDIES  
PSG Tech Campus  
I - Block, Room No.112, Avinashi Road  
Peelamedu  
Coimbatore-641 004.**

## **PSG INSTITUTE OF ADVANCED STUDIES**

### **Announces**

### **One Day Workshop on CMM Applications on GD & T**

In our one day **Workshop** Participants will learn to:

- Explain the benefits of GD&T
- Evaluate tolerances for size, form, orientation, and location
- Interpret feature control frames for each GD&T symbol
- Determine correct datum usage and how it affects manufacturing and inspection
- Calculate "bonus" tolerance for MMC and LMC
- Apply geometric tolerances to drawings
- Know how to Inspect the GD&T and other dimensions in CMM and evaluate the results

#### **TARGET AUDIENCE**

This programme is designed for personnel to get familiarize and proficient with the concepts and practices of GD&T. Particular emphasis is placed on those who are responsible for specifying and interpreting technical documentation in design field.

#### **WHO CAN ATTEND**

Teaching Professionals, Quality Engineers, Design Engineers, Final Year PG/UG Engineering students are to name the few who can get benefited through this programme and subsequently taken to the next level.

#### **OBJECTIVES**

- To provide participants with the knowledge of proper datum feature selection and specification.



- To provide understanding of the more difficult GD&T symbols such as profile, form and position.
- To provide hands on training on CMM to show how the GD&T are measured and analyzed for improvement.

#### **REASONS FOR ATTENDING**

Your drawings have GD&T on them! If you have been through the GD&T Basic Level, and you need more knowledge and skill to increase your effectiveness, this course is for you. In this programme, we focus on the advanced concepts of GD&T - another step closer to becoming a GD&T expert. And also we emphasize on how it can be measured and how to analyze the results

#### **PROGRAMME OUTLINE**

The programme begins with a review of GD&T, continues with lecture and exercises designed to enhance knowledge and build confidence. The programme also deals about Coordinate Measuring Machine, Functions and Applications and with a practical demo on inspection of various components for dimensions and GD&T requirements.

This class consists of lecture and participation format.

**You can download the brochure from the website:**

**[www.psgias.ac.in](http://www.psgias.ac.in)**

#### **Coordinators of the Workshop:**

**Dr. V. Krishnaraj – 0422 4344750**

**Email: [catp.ias@psgtech.ac.in](mailto:catp.ias@psgtech.ac.in)**

**Dr. M. Parthiban – 9025072727**

**Email: [mpn.mech@psgtech.ac.in](mailto:mpn.mech@psgtech.ac.in)**

Please write "CMM Applications on GD&T Workshop" on the envelope and send your registration form along with D.D. in favour of "PSG Institute of Advanced Studies" payable at Coimbatore on or before 07<sup>th</sup> September 2022 to:

The Co-ordinator  
Centre for Advanced Tooling and Precision Dies  
PSG INSTITUTE OF ADVANCED STUDIES  
PSG Tech Campus  
I - Block, Room No.I 112, Avinashi Road,  
COIMBATORE 641 004.  
Ph: 0422 4233000 / 4344750

### REGISTRATION FEE

Per participant: Rs. 1250/- (Incl. of GST)

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## PROGRAMME SCHEDULE

Session	Timings	Details
	8:30 - 09:00	Registration
	09:00 - 09:15	Welcome Address Chief Guest Address Vote of Thanks
	09:15-09:30	Tea
Session 1	09:30 - 10:30	Introduction of GD&T MMC & LMC Principles
	10:30-10:45	Break
Session 2	10:45-11:15	Introduction to CMM
Session 3	11:15 - 12:00	5 Groups of GD & T : Interpretation of drawings with GD&T
Session 4	12:00 - 13:00	CMM Parts & Functions [Theory]
	13:00 - 14:00	Lunch
Session 5	14:00 - 15:15	Practical Demo
	15:15 - 15:30	Tea
Session 6	15:30 - 17:00	Practical Demo & further analysis
Session 7	17:00 - 17:30	Q&A Session
-		Issuing Certificates Conclusion

## REGISTRATION FORM

### PSG INSTITUTE OF ADVANCED STUDIES COIMBATORE – 641 004.

#### One Day Workshop on CMM Application on GD & T 10<sup>th</sup> September, 2022

First Name \_\_\_\_\_

Designation \_\_\_\_\_

Department \_\_\_\_\_

Organization \_\_\_\_\_

City \_\_\_\_\_

Mailing address \_\_\_\_\_

\_\_\_\_\_

Phone/Mob. No. \_\_\_\_\_

Email ID \_\_\_\_\_

Demand draft No. \_\_\_\_\_

\_\_\_\_\_ dated \_\_\_\_\_ in favour of  
"PSG Institute of Advanced Studies" for an amount of  
Rupees One Thousand Two hundred Fifty (Rs.1250/-)  
drawn on bank \_\_\_\_\_ payable at  
Coimbatore, India.

Date:

Place: \_\_\_\_\_ Signature of the applicant

Approving authority  
(Signature and Seal)