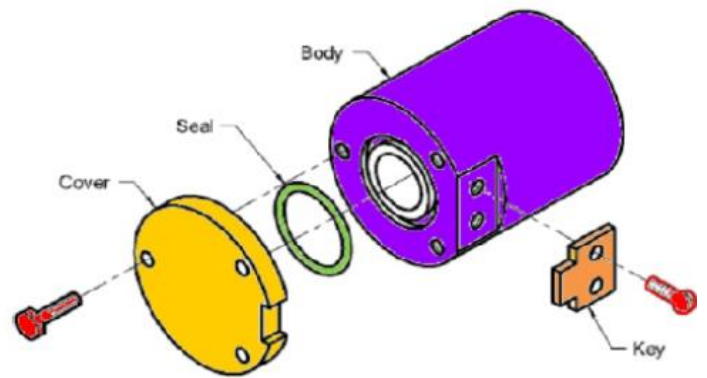




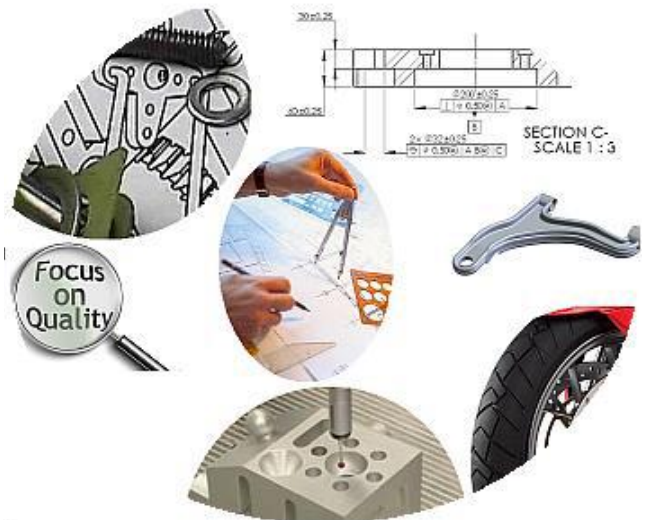
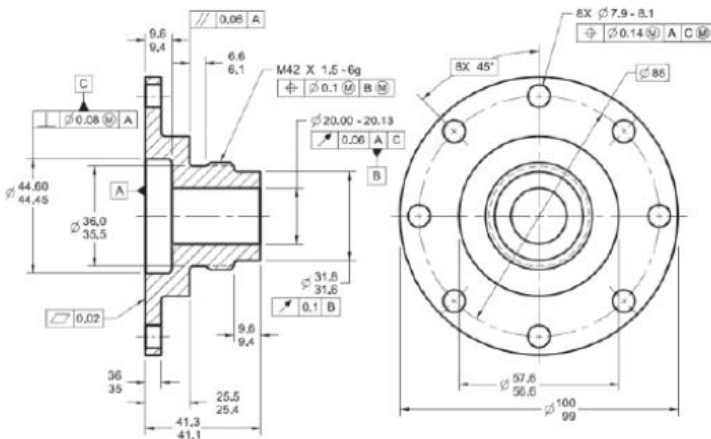
Complimentary 1 year  
SAEINDIA membership  
for non-member  
participants



# TOPTECH

## Geometric Dimensioning and Tolerancing

### Advanced Training by SAEISS Experts



Focus  
on  
Quality

SECTION C-  
SCALE 1:3

**Venue:**

**SAEINDIA Southern Section**

Block-1, Modules 29 & 30, SIDCO Electronic Complex

| Thiru-Vi-Ka Industrial Estate, Guindy, Chennai 600032

Phone: 044-42188651-52 Mobile: +91-90430 01718

E-mail Id: [toptech@saeiss.org](mailto:toptech@saeiss.org) Website: [www.saeiss.org](http://www.saeiss.org)

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## Course Date& Time

**Geometric Dimensioning and Tolerancing**

**13<sup>th</sup> & 14<sup>th</sup> May 2014**

**Start: 9:00 am to 5:00 pm**

## Course Content

Introduction to Geometric Dimensioning and Tolerancing -Introduction to ASME Y 14.5 (1994) tolerancing standard -Feature Control Frame -Comparison of conventional and GD& T approach to tolerancing -Feature of Size

Levels of Control -Material Modifier and its implications -GD&T Standard rules

Datum Definition -Datum, Datum Features and Simulators -Datum Symbol placement and implications -Datum Targets -Virtual Condition Boundary

Free State -Datum Precedence

Types of Form, Orientation, Location controls –Implications in Design, Manufacture and Inspection –Interpretation of Tolerance Zones –Incorporating GD & T in Gauge Development

Application of GD & T in Real-World –Practical problem resolution –Worked examples –Exercises in GD & T as applied to Automobile systems

## About the Course

GD & T course is focused on training practicing engineers to apply ASME Y 14.5 Standard towards automotive product design for conveying Design Specifications. Understanding of the symbols, syntax and rules are emphasized while highlighting the nuances of application towards lowering product cost while comprehensively enhancing product quality.

## Who should attend?

GD & T Training is designed for practicing designers and engineers involved in development of design, purchase, manufacture, estimation or inspection of parts or assemblies. Particular emphasis is on Team Managers who influence the bottom-line in the Design and Manufacturing processes.

## Objectives

GD & T course is intended to give an insight into best practices in Engineering Design and Drawing development for the Automotive Industry towards achieving higher levels of perfection in developing new products and technologies

## Course prerequisites

Basic knowledge of engineering drawing development and awareness of functions of automotive systems

## Benefits of attending the Course

Benefits of implementing GD & T Standards have helped organizations to converge on better design and development processes. Some of the immediate benefits include the following:

- Reduces Manufacturing costs
- Avoids and / or Eliminates Re-work
- Ensures higher product quality
- Eliminates ambiguity in drawing representation and interpretation
- Reduces Product Development Time
- Preserves Intended Function
- Eliminates Assembly Mismatch

## Facilities provided during course

- Networking Tea/Snacks
- Networking Lunch
- Delegate Kits

## How to enroll

### Fee Structure (Two days)

Non-Member	INR 13000/-	Last date of Registration 10 <sup>th</sup> MAY 2014
Member	INR 10000/-	
Faculty Advisor	INR 4000/-	
Registration fee for two days		

- Admissions would be on first come first serve basis and will be strictly through enrolment Procedure
- Limited seats per batch
- Special discount to Teaching Faculty advisor
- Special discount on group booking (minimum 5 attendees for same session- 15% Discount)

## Enrollment Procedure

- Send us following details to [toptech@saeiss.org](mailto:toptech@saeiss.org) for registration
- Registration form enclosed or [Click here](#)

Pay course fee through DD/Cheque or Transfer to our account

**Name of the account holder: SAEINDIA Southern Section Toptech**

**Account No. : 32506111653**

**Bank Name : State Bank of India**

**Branch Name : Kottur, Chennai**

**IFSC Code : SBIN0001669**

# Trainers Information

## Shri. R. Natarajan/ Director of EGS Computers India Private Limited

He Graduated with an MSME Degree from The University of Toledo, Ohio, USA and then worked at Ford Motor Company, Dearborn, Michigan USA in the areas of Design and Development of Automotive sub-systems ranging from Body Structure, Chassis to Full-vehicle Systems. He has trained Engineering professionals belonging to various Automotive Companies in India on the basic tenets of GD&T and its relevance to Challenging Design and Development objectives of Indian Companies. He has conducted GD & T training programs at Delphi-TVS, Ford India, Ingersoll Rand, Honeywell (Formerly MK Electric), FCI, UCAL Fuel Systems, Power Management Institute, ELGI Equipments among others. He specializes in Engineering Design, Validation and implementation. He through his Company, actively consults with Indian Engineering Enterprises towards new product development, Simulation using Finite Element Analysis and Value Engineering in Design. He also had been a visiting faculty at Crescent Engineering College (affiliated to Madras University) for 3 years to teach Finite Element Analysis for ME (CAD/CAM) Students. He has delivered lectures at AU-FRG Institute of CAD/CAM (Anna University), IIT (Chennai), NTTF (Bangalore) in addition to working on projects as a Consultant with Reliance Industries, Ford India, Delphi-TVS, BARC, Saipem India, IDEA, Thermax, Cethar Vessels, TI Group, Rane Group, Borg-Warner among others.

## About SAEINDIA Southern Section

SAEINDIA Southern Section is a premier society that serves the cause of mobility engineering. It is a unique society that includes professional engineers who serve different OEMS and Suppliers, academia as well as budding engineers (students) who aspire to be part of the professionally attractive field of mobility engineers. We believe that Mobility Engineering is a knowledge rich field and that learning and sharing can be fun and rewarding. To this end, SAEISS organises several events throughout the year, runs programmes that enrich and engage and conducts lectures and symposia. It is a part of SAEINDIA.

SAEINDIA is a Premier Professional society that serves the Mobility Engineering Community engaged in the design, manufacture and service of self-propelled vehicles and systems that move in land, sea, air and space. It is an affiliate society of SAE International which is head quartered in USA and has a glorious record of over 100 years of service to the mobility community. SAEINDIA works closely with other fraternal societies such as Society of Indian Automobile Manufacturers (SIAM), Automotive Component Manufacturers of India (ACMA) and American Society of Engineers of Indian Origin (ASEI) for spreading knowledge and relevant information to a wider cross section of the Indian community. It is also a member of International Federation of Automotive Engineering Societies (FISITA)

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Further pls contact:

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SAEINDIA Southern Section

Mobile No: 9043001718

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