



Geometric Dimensioning and Tolerancing Basics Course:

» **Geometric Dimensioning and Tolerancing (GD&T)** is a method for stating and interpreting design requirements. GD&T is an international system of symbolic language, and is a crucial tool for making engineering drawings and computer-generated three-dimensional solid models more reliable means of communication, starting with the initial design through manufacturing and inspection.

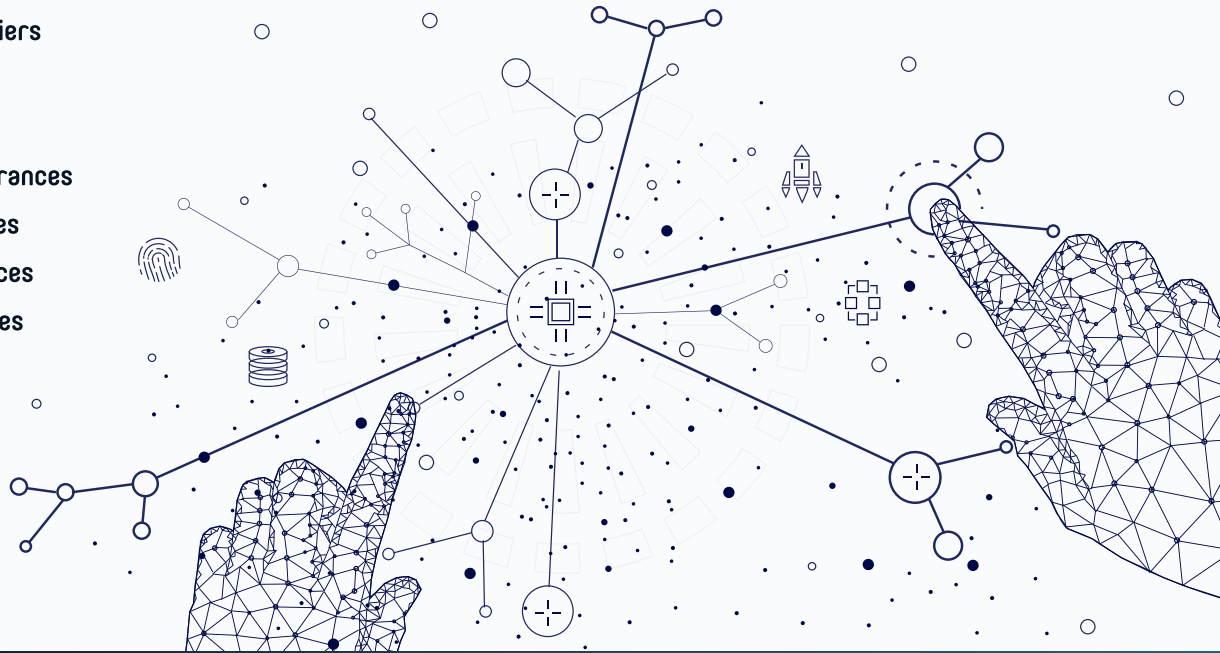
The aim of this course is to help participants understand **“Geometric Dimensioning and Tolerancing”** with basic principles and builds on these principles with applications-oriented concepts.

» Participants Profile:

This course has been prepared for R&D engineers, production engineers, quality control engineers and other technical staff who contribute to at every stage from product design to assembly processes.

» Course content:

- > What is Tolerancing?
- > Basics of GD&T
- > First Rule of GD&T
- > Tolerance Modifiers
- > Form Tolerances
- > Datums
- > Orientation Tolerances
- > Profile Tolerances
- > Position Tolerances
- > Runout Tolerances



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» Educational gains

- ✓ Uniformity in design practice, fewer misinterpretations, ensured interchangeability, and maximum tolerance allocation. Also, with GD&T, design requirements are specified explicitly and the latest gaging techniques are accommodated to better ensure fit, form, and function. These advantages contribute to higher production yields with less rework or scrap.

Course Duration: 2 days (09:00 - 17:00, 1 hour lunch break)



ALPER UYANIK

MECHASOFT STC Inc. - Manager
Expert Mechanical Engineer
Geometric Dimensioning and Tolerancing Instructor
Part Time Lecturer at Atılım University

» Our Instructor's References:

- » Turkey Society of Mechanical Engineers
- » AKG Thermotechnik Systems - Turkey
- » Hidrofil Engineering Inc
- » Harp Defense Systems
- » Milpower Defense Inc.
- » Kaban Machine Inc
- » Frekans Energy Inc.
- » Uzer Machine Inc.
- » Athapack Packaging Machines Inc.
- » Unova Engineering Inc.
- » B/S/H Home Appliances
- » GSI SLV-TR Welding Technology Center
- » CES Advanced Composites and Defense Technologies
- » Fiskksan Defense and Aerospace Inc.
- » Salman Engineering
- » MFK Machine
- » Aselsan - Sivas
- » Baykar Technologies

A certificate of participation is given at the end of the training.



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