# Design your Destiny!

Who are we?

Mission: **Imparting Practical Domain knowledge to Mechanical Engineering Graduates and Automotive enthusiasts by our seasoned industry experts. Empowering our students to become an expert in the domain of their choice.**

3,00,000 mechanical engineers graduate every year in India and only a few get into core companies. Mechanical engineers find it difficult to get employed in the industry due to their sole focus on learning the design software, without proper domain knowledge. We Disenosys, are working to bridge this skill gap between students and the industry requirements. We have a team of industry experts, with over a decade of experience who empower our students to land their dream jobs. We connect to our students

from all the corners of the world through live, interactive and virtual classrooms.

Disenosys is bootstrapped by Praveen Kumar, who has worked with many multinational OEMs like Ford, Daimler, Ashok Leyland. Together as a team,

we are constantly working to provide Automotive industrial domain training to young and aspiring design engineers around the globe.

Our students are our Hope. We are dedicated to making their dreams into reality.
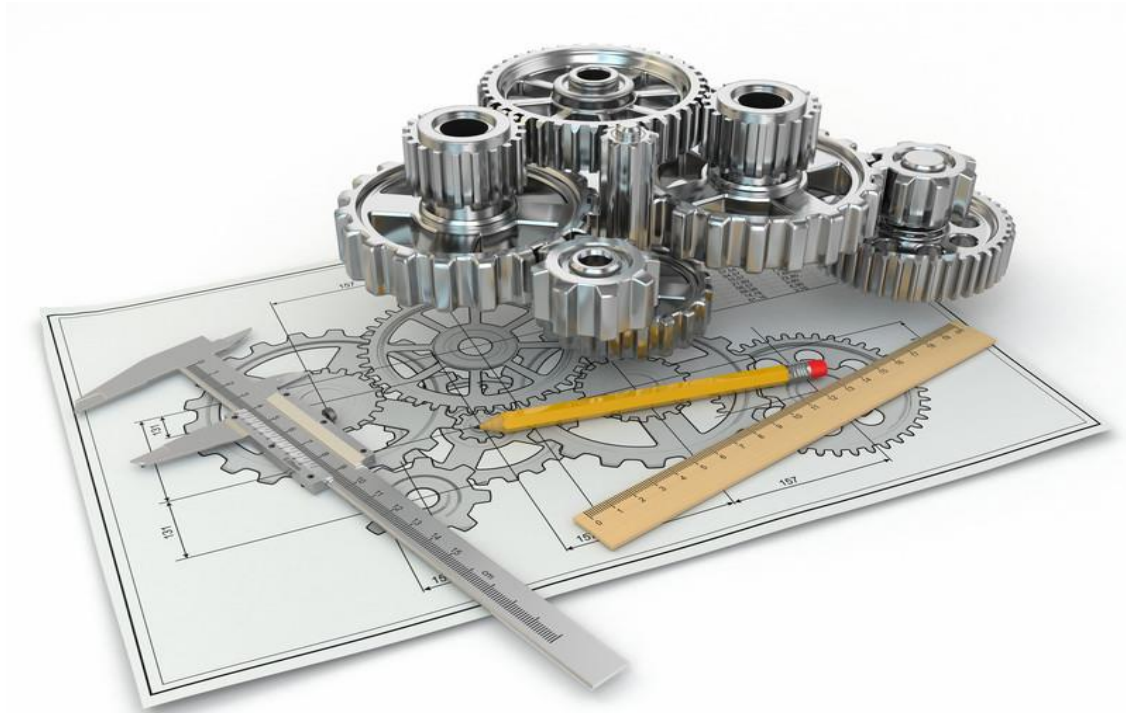
Geometric Dimensioning and Tolerance (GD&T) - Foundation

What is GD & T?

Geometric dimensioning and tolerancing (GD&T) is a system for defining and communicating engineering tolerances. It uses a symbolic language on engineering drawings and computer-generated three-dimensional solid models that explicitly describe nominal geometry and its allowable variation. It tells the manufacturing staff and machines what degree of accuracy and precision is needed on each controlled feature of the part. GD&T is used to define the nominal (theoretically perfect) geometry of parts and assemblies, to define the allowable variation in form and possible size of individual features, and to define the allowable variation between features.

- Dimensioning specifications define the nominal, as-modelled or as-intended geometry. One example is a basic dimension.
- Tolerancing specifications define the allowable variation for the form and possibly the size of individual features, and the allowable variation in orientation and location between features. Two examples are linear dimensions and feature control frames using a datum reference (both shown above).

Who can take this course?

- BE/B.Tech final year students.
- M.tech students.
- Freshers looking for a job in the automotive industry.
- Experienced designers who are interested in gaining domain knowledge.
- Automotive enthusiasts.

Why should I take the GD & T Foundation course with Disenosys?

Top benefits of GD&T Foundation course:

- You will learn about geometrical tolerancing symbols, the importance of tolerance, manufacturing allowances, and various fits and functions.

- **You will learn to apply tolerance to design parts.**

- You will be able to perform root cause analysis using actual measured data and statistical analysis.

- Get trained by seasoned industry **experts working in OEMs**.

- We help **in building your resume** after completion of the course.

- Get a **course completion certificate** from Disenosys.

- **Mock interviews** will be conducted after completion of the course, to clear Industrial Technical rounds for placement.

- Excellent performers will be **referred to top OEMs** through our internal contacts.

- We assist you in clearing GD&T certification.

- Stand out among your peers in getting a job as a GD&T expert Engineer.

OUR TRAINERS

Our team comprises of design experts, working in top OEMs around the globe. We stand apart from others with the quality we deliver to our students. Our seasoned industry experts impart their knowledge for the betterment of the future generation.

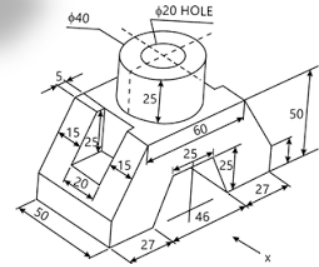## Course Duration

- **1 month Live, Online and Interactive Sessions**

Certification

- **A digital certificate will be provided by Disenosys after successful completion of the course.**

INTERPRETATION OF ENGINEERING DRAWING

- Introduction to Engineering Drawing
- View Projections (First angle and third angle)
- Different types of views

INTRODUCTION TO GEOMETRIC DIMENSIONING AND TOLERANCING

- What is GD&T?
- When, why and how we use GD&T?
- Types of dimensions and tolerances
- Part features, non-size features and Features of size
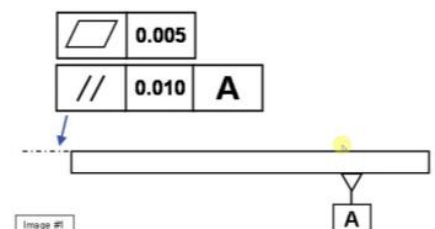- Symbols, terms and rules
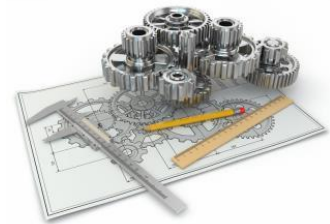
DATUM

- Application of Datums
- Datum Features
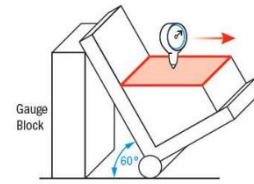- Datum feature identification and selection
- Datum targets

Datum feature "A"
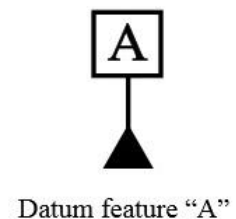
FORM CONTROL

- Straightness
- Flatness
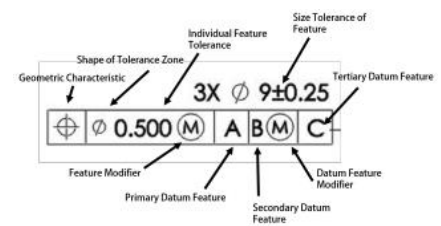- Circularity
- Cylindricity

ORIENTATION CONTROL
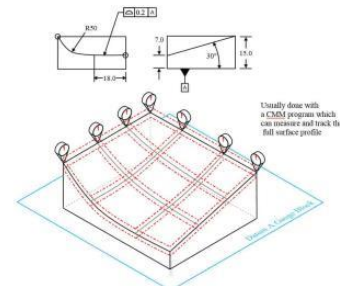
- Parallelism
- Perpendicularity
- Angularity

POSITION CONTROL

- Positional tolerance
- RFS
- MMC
- LMC

PROFILE CONTROL AND RUNOUT

- Profile specification
- Circular runout
- Total runout

DISENOSYS

CERTIFICATE

DISENOSYS

CERTIFICATE
OF ACHIEVEMENT
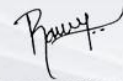
This certificate is presented to

Arun H

for successfully completing the 1 month program on

Geometric Dimensioning and Tolerancing Foundation

Certificate UDIN: 20019585

Completion Date: 19-10-2020

Praveen Kumar
Director, Disenosys

CONTACT US

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