



# Aditi Consultancy Services

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## Geometrical Dimensioning & Tolerancing

(3day GD&T Training)

Date	Topic
Day1	Introduction to GD&T; Benefits of GD&T; GD&T Definitions
	Geometric Tolerance Symbols; Modifier Symbols; Feature Control Frame; Features & Features of size; Actual Mating Envelope; Material Conditions
	Exercises
	Straightness Control of Surfaces and Lines
	Maximum Material Principle; Bonus tolerance; Virtual condition; Functional Gauges
	Exercises
Day2	Flatness, Circularity and Cylindricity
	Datum Features; Datum Reference Frame; Datum Precedence; Datum targets
	Exercises
	Parallelism; Perpendicularity: Angularity
	Concentricity; Symmetry Tolerance; Circular and Total Run-out
	Exercises
Day3	Comparison between Co-ordinate and Round Tolerance Zones; Fundamentals of Position Tolerancing; Coaxial Features
	Position Tolerancing of Patterns of Features; Composite Position Tolerance Controls; Projected Tolerance Zone
	Exercises
	Profile of Line and Profile of Surface Controls
	Profile Tolerance With and Without Datums
	Exercises
	Evaluation Test
	Questions and Answers