



# Aditi Consultancy Services

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## Advanced Geometrical Dimensioning & Tolerancing

(2 days)

Topics
Review of Fundamentals of GD&T
Straightness and Flatness on Unit Basis
Geometric Controls With Free State Variation
Specialized Datum Applications; Inclined Datum Features Datum Targets
Datum Features with MMC Modifier ( Datum Shift)
Least Material Principle
Tangent Plane Modifier
Virtual Condition and Functional gauge Examples
Projected Tolerance Zone Modifier
Difference between concentricity and Coaxiality Controls
Position Tolerancing for Symmetrical Relationships
Composite position tolerance applied to Linear and Circular Pattern of features
Unequal/Unilateral Profile Modifier; All around and In-between Profile Tolerances
Composite Profile Tolerancing
Review Exercises; Question and Answers