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Engineering Drawings and Standards (3days)

Date	Topic
Day-1	Overview of Engineering Design and Drawings
	Fundamental Drawing Rules; Drawing Standards; Drawing Sheet Layout
	Orthographic Projection and Interpretation of Views; Section views, Partial views and Isometric views
	Fundamentals of Engineering Measurement
	General Principles of Dimensioning on Technical Drawings
	Exercises; Questions & Answers
Day - 2	Differences between Millimeter and inch Dimensioning; Dimensioning Examples of Machined Parts
	Fundamental Tolerancing Principles of Parts and Assemblies; Differences between Millimeter and inch Tolerancing; Allowable deviations for dimensions without specified tolerances
	Taylor's Principle; Fundamentals of gauges ISO System of Limits and Fits; Selection of shaft & hole fits for some specific applications
	Exercises; Questions & Answers
Day - 3	Fundamentals of Manufacturing Processes
	Casting and Forging drawings
	Sheet Metal drawings
	Drawing practice for simplified presentation of features like screw threads, gears & splines, etc
	Representation of Surface Roughness in technical drawings
	Representation of Welding symbols in technical drawings
	Exercises; Questions & Answers