GD&T WEB Tutor

Symphony Technologies
www.symphonytech.com

Learning Sessions Summary

Name:	Mr. Rohit Shah
Course period:	15 March 2009 to 29 March 2009

SAMPLE

Topic	Learning Time (minutes)
GD&T System	
Feature Control Frames	10
Definitions of Terms	38
Classification of Features	12
Virtual Conditions	
Understanding MMC and LMC	25
Virtual Conditions with MMC	85
Virtual Conditions with LMC	35
Defining Tolerances RFS	28
Bonus Tolerance	
Understanding Bonus Tolerance	32
Bonus Tolerance for MMC Virtual Conditions	38
Bonus Tolerance for LMC Virtual Conditions	22
Rules of GD&T	
Rule #1	5
Rule #2	4
Datums	
Introduction to datums	31
Definitions Related to Datums	39
Principles of Datum Specification	49
Surface Datums	45
Datums on Features of Size	28
Datums applied with MMB	27
Datums applied with LMB	10
Datums applied RMB	12
Form Tolerances	
Overview of Form Tolerances	13
Straightness Tolerance	44
Flatness Tolerance	16
Roundness Tolerance	12
Cylindricity Tolerance	11
Orientation Tolerances	
Overview of Orientation Tolerances	11

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Parallelism Tolerance	12
Perpendicularity Tolerance	12
Projected Tolerance Zone	14
Angularity Tolerance	16
Location Tolerances	
Overview of Location Tolerances	12
Positional Tolerance	32
Positional Tolerance Applied at MMC	18
Positional Tolerance Applied at LMC	14
Positional Tolerance Applied RFS	16
Composite Positional Tolerancing	43
Concentricity Tolerance	18
Symmetry Tolerance	12
Runout Tolerances	
Circular Runout Tolerance	14
Total Runout Tolerance	17
Profile Tolerances	
Profile of a Line	22
Profile of a Surface	16
Formulas for determining Positional Tolerances	
Floating Fastener Case	12
Fixed Fastener Case	10
Functional Gage Design	
Principles of Functional Gage Design	14
Example of a Functional Gage	14
GD&T Symbols overview	
Symbols covered in the course above	14
Additional Symbols	16
Total learning time (minutes)	**1050**
Total learning time (Hours)	**17.5**