



# Geometric Dimensioning and Tolerancing(GDT-2019)

Based on ASME Y14.5-2009 Standard

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## Schedule

### Day 1

08:30-09:30 Registration  
09:30-10:00 Inauguration  
10:00-10:30 *Tea Break*  
10:30-11:45 Introduction to GD&T, Terminology of GD&T, Drafting Symbols, Dimensioning Styles  
11:45-13:00 MMC, LMC and RFS  
**LUNCH BREAK**  
14:30-16:00 What is FCF and how to read Feature Control Frame (FCF)  
16:00-16:15 *Tea Break*  
16:15-17:30 Rules and Concepts of GD&T

### Day 2

08:30-10:00 Datums (Planar)  
10:00-11:30 Datums (Axis and Center plane), Datum Feature of Size Representation  
11:30-11:45 *Tea Break*  
11:45-13:00 Human values and Ethics  
**LUNCH BREAK**  
14:30-16:00 Bonus Tolerance Exercises  
16:00-16:15 *Tea Break*  
16:15-17:30 14- Geometric Characteristics Symbols

### Day 3

08:30-10:00 Virtual Condition  
10:00-11.30 Resultant Condition Boundaries and Calculations  
11:30-11:45 *Tea Break*  
11:45-13:00 Lab session 1  
**LUNCH BREAK**  
14:30-16:00 Lab session/Practice 2  
16:00-16:15 *Tea Break*  
16:15-17:30 Lab session/Practice 2

### Day 4

08:30-10:00 Form Controls  
10:00-11:30 Orientation Controls  
11:30-11:45 *Tea Break*  
11:45-13:00 Tolerance of Position, Location Controls  
**LUNCH BREAK**  
14:30-16:00 Lab session/Practice 3  
16:00-16:15 *Tea Break*  
16:15-17:30 Lab session/Practice 3

### Day 5

08:30-10:00 Runout and Profile Controls  
10:00-11:30 Fixed and Floating Fastener  
11:30-11:45 *Tea Break*  
11:45-13:00 Projected Tolerance Zones & Part Tolerancing  
**LUNCH BREAK**  
14:30-16:00 Lab session/Practice 4  
16:00-16:15 *Tea Break*  
16:15-17:30 Lab session/Practice 4

### Day 6

08:30-10:00 Introduction to Advanced GD&T  
10:00-11:30 Introduction to Tolerance Analysis and Stack-up Analysis  
11:30-11:45 *Tea Break*  
11:45-13:00 First Article Inspection (FAI)  
**LUNCH BREAK**  
14:30-16:00 Paper Gauging and Functional Gauging  
16:00-16:15 *Tea Break*  
16:15-17:30 Post Assessment, Question and Answers, Valedictory