



AJEENKYA
D Y PATIL UNIVERSITY
THE INNOVATION UNIVERSITY

**School of
Engineering**

Activity Report

Event Title: Seminar on Geometric Dimensioning and Tolerancing (GD&T)

Organized by: Mechatol Engineering Solutions in collaboration with Ajeenkya D Y Patil University.

Date: 26 July 2022

Venue: 407 SOE, ADYPU

Faculty Coordinator: Prof. Sameer Agrawal

Participants: Students (3rd, and final year).

Objective:

The seminar aimed to:

- Provide in-depth knowledge of Geometric Dimensioning and Tolerancing (GD&T) concepts.
- Equip participants with practical insights into interpreting and applying GD&T in engineering design and manufacturing processes.
- Enhance industry-relevant skills in dimensioning and tolerancing to ensure accuracy, consistency, and cost-effectiveness in product development.

Agenda:

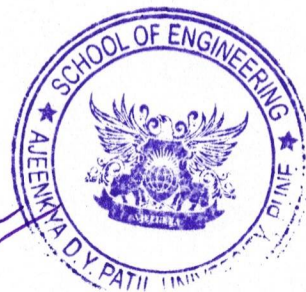
Day 1: Introduction to GD&T and Fundamental Concepts

1. Opening Remarks & Inauguration

- Welcoming note by Mechatol Engineering Solutions
- Inaugural speech by Ajeenkya D Y Patil University representatives

2. Introduction to GD&T

- History, importance, and applications in industries



3. Fundamental Symbols and Terminology

- Overview of key symbols: Feature Control Frames, Datums, and Material Condition Symbols

4. Hands-on Session

- Basic exercises in interpreting GD&T drawings

Day 2: Advanced GD&T Applications and Practical Implementation

1. Advanced GD&T Principles

- Tolerances of form, orientation, and position

2. Case Studies & Real-Life Applications

- Examples from the automotive, aerospace, and manufacturing sectors

3. Workshop: Practical Implementation

- Participants work on applying GD&T principles to real-world scenarios

4. Panel Discussion & Q&A

- Industry experts answering participant queries

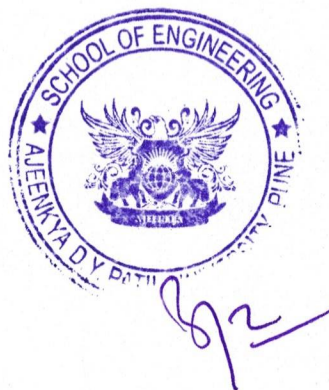
5. Closing Remarks & Certificate Distribution

- Feedback session and distribution of certificates to attendees

Outcomes:

1. Enhanced understanding of GD&T concepts, terminologies, and their practical applications.
2. Participants gained hands-on experience in interpreting and applying GD&T in product design.
3. Industry-academia collaboration fostered innovative learning and practical exposure for students.
4. Participants are better equipped to implement GD&T for improving quality control, reducing costs, and optimizing design processes in their respective fields.

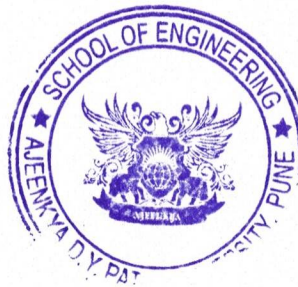
This seminar successfully bridged the gap between academic learning and industrial application, contributing to the skill development of engineering professionals and students.



Glimpses of the Activity



Fig: Seminar on Geometric Dimensioning and Tolerancing (GD&T)



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