



**National Level One Week**  
**Faculty Development Program**  
**on**  
**“DIMENSIONAL MANAGEMENT**  
**AS PER ASME Y 14.5 1994**  
**&**  
**2009 STANDARD”**  
**15<sup>TH</sup> – 20<sup>TH</sup> March, 2021**

Organised  
By

**School of Mechanical and Civil  
Engineering**

**MIT** | **Academy of  
Engineering**  
(An Autonomous Institute Affiliated to Savitribai Phule Pune University)

AND



**MECHATOL ENGINEERING SOLUTIONS**

**OBJECTIVES:**

- ✓ To facilitate up-gradation of knowledge, skill and intends to provide opportunities for induction training to faculty involved in Engineering Design related courses
- ✓ To bring Researchers, Academia and Technocrats from different parts of the country to a common gathering for educating on future of manufacturing drawings
- ✓ To Share the latest improvement in 3MBD & PMI
- ✓ To improve ability of faculty in reading and implementing drawings in academics.

**SPEAKER:**

**Mr. Anand Bhise, Director**  
**Mechatol Engineering Solutions, Pune**

**PATRONS:**

**Dr. M. D. Goudar, Director, MITAOE**  
**Dr. P.R.Hatte, Dean, School of Mech and Civil Engg, MITAOE**

**CONVENOR**

**Dr. P.S.Kalos, Asso. Prof., SMCE, MITAOE**

**CO-CONVENOR:**

**Dr. V.A.Bhosale, Asst.Prof., SMCE, MITAOE**

**COORDINATOR:**

**Ms. M.J.Munot, SMCE, MITAOE**

For more details, contact the  
Convenor:

Dr. Pritam Kalos ([pskalos@mitaoe.ac.in](mailto:pskalos@mitaoe.ac.in))

Coordinator:

Ms. Mayuri Munot  
([mjmunot@mech.maepune.ac.in](mailto:mjmunot@mech.maepune.ac.in))

Or

Visit the webpage at <https://www.mitaoe.ac.in/mitaoe-school-of-mechanical-and-civil-engineering.php#>

*“We have learned to live in a world of mistakes and defective products as if they were necessary to life. It is time to adopt a new philosophy” with ASME & ISO standards*

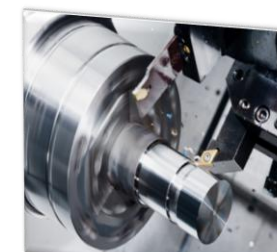
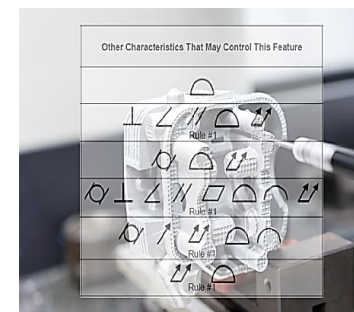
**PROGRAM DETAILS:**

- ✓ Experience Sharing
- ✓ Difference between position tolerance and plus minus tolerance.
- ✓ Datum selection process from assembly & manufacturing approach.
- ✓ Concept & calculations of bonus tolerance, position tolerance.
- ✓ Concept & reading of feature control frame.
- ✓ Blue-print reading techniques for assembly drawings and part drawings.
- ✓ Inspection process through different process equipment's like Vernier calliper, CMM etc.
- ✓ Acceptance or rejection reports for QC based on gauge.
- ❖ **2 projects each on GD&T and tolerance stack up analysis will be demonstrated**
- ❖ **12 hours of training with daily 120 minutes session**

(MON-SAT: 3p.m. - 5p.m.)

**Teaching Methodologies:**

- **Use of the ICT Based tools**
- **On-Line Mode of Conduction**
- **Case studies / Project Demonstration**



Integrate drawings with Mfg.

## About the Department

### ACCREDITED BY

#### **National Board of Accreditation (NBA) and ISO 9001:2015 CERTIFIED**

School of Mechanical & Civil Engineering is established in 2018 with amalgamation of core engineering branches of Mechanical & Civil. The Department of Mechanical Engineering was established in 2006. The total intake in department is 180 (120 First Year+60 Direct Second Year) students.

The school of Mechanical Engineering has established Project Based LAB enables them to work on live Industry sponsored projects and know the Industry standards. School also provides facilities like minor tracks- CAE, Robotics & Automation, IEM. Students can also opt for skill courses like Business Strategies / Catia/ Inventor/Piping Design/ Six Sigma/ Energy Audit.

**Vision:** To become advance center of learning by synergizing teaching, learning and cutting edge research activities to produce ethical, competent Mechanical Engineers who are innovative and immediate contributor with an exposure to multidisciplinary knowledge.

#### **Mission:**

- 1.To prepare students for lifelong learning by developing cognitive and non-cognitive skills.
- 2.To produce industry ready students in the field of mechanical engineering by imparting liberal education and advanced engineering technology.
3. To nurture students for creativity, innovation, critical thinking, complex problem-solving skills, leadership and entrepreneurship skills to develop out-of-the-box thinking.
- 4.To create research ecosystem to conduct multidisciplinary research.

## ABOUT

### MECHATOL ENGINEERING SOLUTIONS, Pune

Mechatol Engineering Solutions is an engineering design solution and consulting company based in Pune, India. Mechatol provides end-to-end designing solutions using world's best in class technology, Mechatol has created direct impact to several organizations by exponentially increasing design efficiencies through training/implementation of GD&T, and Tolerance stackup analysis with a wide expertise in implementation and manufacturing drawing customization of varied industries – from automotive, construction, hydraulics, process, oil & gas, power to electrical & electronics, medical, material handling, robotics.

**Free Registration is available on First Come First Served Basis.**

#### **Registration URL:**

<https://attendee.gotowebinar.com/rt/9096939608196169998>

**Webinar ID 815-316-763**

**After successful registration please join the  
whatapp group link:  
<https://chat.whatsapp.com/BLVfrIoECerHwRwGXIIWyB>**

#### **Certification:**

**On successful completion of the program, a Certificate will be provided to all the participants.**

## ABOUT

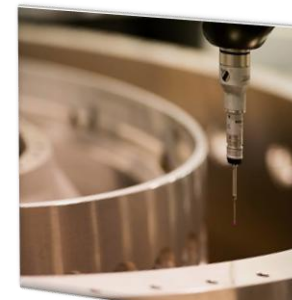
### MIT Academy of Engineering (MITAOE) Alandi, Pune

MITAOE was established in 1999 under MAEER by the honorable Prof. Dr. Vishwanath D. Karad, Founder and Executive President of MIT Group. The institute offers seven UG programs (B.Tech) and three PG programs (M.Tech). Recently, the UGC has honored the institute with 'Academic Autonomy' considering the quality of pedagogical practices, research, faculty and the state-of-the-art infrastructure that meets global standards.

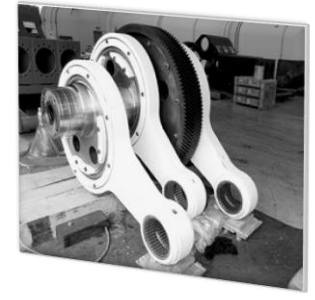
Savitribai Phule Pune University (SPPU) has honored the institute with the 'Best Engineering College (Professional Courses) award.

**Vision:** To develop MITAOE into a world-class learning center with an excellent ambience for academics and research conjugated with vibrant environment for honing the extra and co-curricular skills of all its stake holders to enable them to meet the challenge of a fiercely competitive world

**Mission:** To leave no stone unturned in our endeavour to ensure that every alumnus looks back at us and says MITAOE has not merely taught us, it has educated us.



Integrate drawings with  
Inspection



Integrate drawings with  
assembly