

# A Workshop on “INDUSTRIAL AUTOCAD DRAFTING, 3D MODELLING AND GD&T

26/02/2026

## ➤ Introduction

Mechanical Engineering Department organised a workshop on “Industrial AutoCAD Drafting and GD&T” for Semester IV students with expert Mr. Mukesh Yogi and Team, Sr. Industry Person From Mehsana. After the end of workshop students are able to understand:

- **To develop fundamental and advanced drafting skills** using AutoCAD for creating accurate 2D industrial drawings.
- **To understand industrial drawing standards** including dimensioning, tolerancing, symbols, layers, blocks, and plotting as per BIS/ISO standards.
- **To create 3D solid models** of mechanical components using CAD tools and commands.
- **To interpret and apply Geometric Dimensioning and Tolerancing (GD&T)** as per International Organization for Standardization (ISO) standards.
- **To understand GD&T symbols and feature control frames** for form, orientation, location, run out, and profile tolerances.
- **To enhance visualization skills** for converting 2D drawings into 3D models and vice versa.

## ➤ Key Features:

- **Organizing Department:** Mechanical Engineering Department
- **Expert Details:** *Mr. Mukesh Yogi, Sr. Industry Person*
- **Date:** 23/02/2026 to 25/02/2026 (11:00 AM to 04:00 pm)
- **No. of Participants:** 52
- **Faculty Coordinators:** Dr. Dinesh Mevada, Dr. Rashmi Patel, Prof. Vinod Patni

## ➤ Workshop Schedule:

### Day 1 – Drafting Fundamentals

- Introduction to drafting interface and tools
- Line, Rectangle, Circle
- Offset, Copy, Move
- Rotate, Mirror

### Day 2 – Editing and Dimensioning Tools

- Scale
- Dimension and Dimension Style
- Fillet, Trim, Extend
- Explode, Stretch

- Area and measurement tools

### Day 3 – Mechanical-Oriented Practical Project

- Preparation of a basic mechanical component or part drawing
- Application of proper dimensions and scales
- Common drafting errors and corrections
- Final ISO & Orthographic drawing review

### Training Methodology

- Command demonstrations with examples
- Individual hands-on practice
- Guided exercises
- Project-based learning approach

### Software & Certification

- Drafting software to be used in the computer laboratory
- Participation certificates will be provided to all attendees

➤ Photograph:



➤ **Event Brochure:**

**GOVERNMENT ENGINEERING COLLEGE, SECTOR -28,  
GANDHINAGAR**

**SUNRISE  
DESIGN STUDIO**

**Mechanical Department Organizes**  
“ **Workshop on  
INDUSTRIAL AUTOCAD DRAFTING  
3D MODELING AND GD & T** ”

**23 FEB. TO 25 FEB. 2026**  
**10:30 Am to 4:00 pm @ GEC  
GANDHINAGAR.**

**MR. MUKESH YOGI**  
Mechanical Engineer  
**INDUSTRIAL EXPERT**

**CO-ORDINATOR :**  
DR. DINESH MEVADA  
DR. RASHMI PATEL  
PROF. VINOD PATNI

**COVENER :**  
HOD : DR. RUPAL P. VYASA

**www.saisunrise.com** **Mo - 91 7874757085**  
office : T-350, suyansh solitor, Kudasan, Gandhinagar(GJ), Gujarat 382419

➤ **Media Coverage:**

A press note is released in Sandesh Gandhinagar Edition date: 25/02/2026

**સરકારી ઇજનેરી કોલેજ સે-૨૮ ખાતે વર્કશોપ**



સરકારી ઇજનેરી કોલેજ સેક્ટર-૨૮ ખાતે ઇન્ડસ્ટ્રીયલ ઓટો CAD , સોલિડ વર્ક્સ, GD & T વિષય પર વર્કશોપનું આયોજન કરવામાં આવ્યું હતું. જેમાં મિકેનિકલ વિભાગના બીજા વર્ષના આશરે ૫૦ વિદ્યાર્થીઓએ ભાગ લીધો છે. જેમાં ઇન્ડસ્ટ્રી ડિઝાઇનમાં વપરાતા અદ્યતન સોફ્ટવેર વિષે માહિતી અપાઈ હતી. સમગ્ર વર્કશોપનું આયોજન મિકેનિકલ વિભાગના ફેકલ્ટી ડો. દિનેશ મેવાડા, ડો. રશ્મિ પટેલ અને પ્રો. વિનોદ પટણી દ્વારા મિકેનિકલ વિભાગના વડા ડો. રૂપાલ વ્યાસાના માર્ગદર્શન હેઠળ કરવામાં આવ્યું છે.

➤ **Student's Feedback:**

Timestamp	Email Address	Relevance of content to syllabus/in industry	Clarity of explanation	Include hands-on activities	Arrangement of venue
2/25/2026 14:33:57	240130119007@gecg28.ac.in	Yes	Good	Yes	Good
2/25/2026 14:34:14	makwanadevanshu676@gmail.com	No	Excellent	Yes	Good
2/25/2026 14:34:17	krunalsinghrajput999@gmail.com	Yes	Excellent	Yes	Good
2/25/2026 14:34:19	vivek333.vp@gmail.com	Yes	Good	Yes	Good
2/25/2026 14:34:35	jaydipdhadhar333@gmail.com	Yes	Good	Yes	Very Good
2/25/2026 14:34:36	nishilrami1926@gmail.com	Yes	Good	Yes	Very Good
2/25/2026 14:34:50	240130119031@gecg28.ac.in	Yes	Excellent	Yes	Good
2/25/2026 14:34:56	desaikaran570@gmail.com	Yes	Excellent	Yes	Very Good
2/25/2026 14:35:06	jaynitinkumardave9b.svmr@gmail.com	Yes	Excellent	Yes	Good
2/25/2026 14:35:26	ranasujal128@gmail.com	Yes	Excellent	Yes	Very Good
2/25/2026 14:35:31	shrujalpanchal5994@gmail.com	Yes	Good	Yes	Very Good
2/25/2026 14:35:35	vpprasad7210@gmail.com	Yes	Good	Yes	Very Good
2/25/2026 14:35:37	dharmspatel2006@gmail.com	Yes	Excellent	Yes	Very Good
2/25/2026 14:35:38	krishkprajapati3017@gmail.com	Yes	Excellent	Yes	Good
2/25/2026 14:35:55	krrishpoptani0@gmail.com	Yes	Good	Yes	Poor
2/25/2026 14:35:59	hetsoni371@gmail.com	Yes	Excellent	Yes	Good
2/25/2026 14:36:00	taankharshil@gmail.com	Yes	Excellent	Yes	Very Good
2/25/2026 14:36:01	240130119006@gecg28.ac.in	Yes	Excellent	Yes	Very Good
2/25/2026 14:36:02	rumesakhokhar@gmail.com	Yes	Excellent	Yes	Good
2/25/2026 14:36:16	bhashashiyal282@gmail.com	Yes	Excellent	Yes	Poor
2/25/2026 14:36:18	akuuayar@gmail.com	Yes	Excellent	Yes	Very Good
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2/25/2026	240130119037@gecg28.ac.in		Good	Yes	Very Good

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2/25/2026 14:37:13	madhavchudasama.2005@gmail.com	Yes	Excellent	Yes	Good
2/25/2026 14:39:12	panchalmitul969@gmail.com	Yes	Excellent	No	Very Good
2/25/2026 14:40:37	sbcsinh@gmail.com	Yes	Average	Yes	Poor
2/25/2026 14:48:28	pratitraval@gmail.com	Yes	Excellent	Yes	Good
2/25/2026 14:57:49	shahaksha14115@gmail.com	Yes	Excellent	Yes	Very Good
2/25/2026 15:01:11	dilipsinh27126@gmail.com	Yes	Good	Yes	Good
2/25/2026 15:04:50	brijeshpatani07@gmail.com	Yes	Excellent	No	Poor
2/25/2026 16:38:53	shreyvprajapati25@gmail.com	Yes	Excellent	Yes	Good
2/26/2026 16:10:58	pawarjenish705@gmail.com	Yes	Good	No	Good