



Dinkarrao K. Shinde Smarak Trusts
DR. A. D. SHINDE COLLEGE OF ENGINEERING.
Bhadgaon, Gadhinglaj, Dist: Kolhapur Pin:416502
Academic Year 2025-26
Institution's Innovation Council



Name of the Program: Workshop on Industry-Oriented Electrical AutoCAD.

Program Type: Workshop

Program Theme: Industry-Oriented Electrical AutoCAD

Start Date: 14/03/2026

Time: 11:00 AM to 4:00 PM

End Date: 15/03/2026

Time: 10:00 AM to 4:00 PM

Venue: Salim Ali smart Classroom, ECE Department, DADSCOE, Bhadgaon

Number of students participants: 41

Number of Faculty Participants: 3

Mode of Session delivery: offline

Overview

Objectives of this session:

1. Provide hands-on training on drawing, editing, and dimensioning tools.
2. Enable students to create professional engineering drawings.
3. Help students understand engineering drawing concepts practically.
4. Assist students in preparing academic projects using AutoCAD.
5. Enhance students' industry-ready CAD skills.
6. Prepare students for technical interviews involving design software.

Benefits in terms of Learning/Knowledge obtained

1. Strengthening the technical, academic, and employability skills of engineering students.
2. This workshop is designed to bridge the gap between classroom learning and industry expectations.
3. Exposure to professional drafting standards, drawing techniques, and project-based applications.
4. Ability to prepare accurate engineering drawings, support academic projects.



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Presentation of workshop Photograph 1





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Photograph 2





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Photograph 3



Photograph 4



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Photograph 5





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Name of the activity: Workshop on Industry-Oriented Electrical AutoCAD.

Resource Person:- Mr. Ashutosh Uparate, Electrical Design Engineer, L2, NYEI, Pune.

Platform: Offline

Overall report of the activity:

The “*Workshop on Industry-Oriented Electrical AutoCAD*” was held on **14/03/2026** at the **Salim Ali smart Classroom, ECE Department, DADSCOE, Bhadgaon**. This session, organized in collaboration with the **Institution's Innovation Council (IIC)** aimed to provide hands-on training on drawing, editing, and dimensioning tools.

In the **Day 1**, the Resource person focused on the transition from standard CAD to the specialized **AutoCAD Electrical** toolset. The morning session introduced the project-based workflow, emphasizing the importance of the **Project Manager** in maintaining consistency across multiple drawing sets.

Key technical topics included:

- **Symbol Libraries:** Efficiently using and customizing IEEE and IEC standard symbols.
- **Wire Tagging and Numbering:** Implementing automated wire numbering systems to eliminate manual errors.
- **Component Insertion:** Placing intelligent components (relays, contactors, and sensors) that carry real-world manufacturing data.

By the end of the day, participants had successfully drafted a basic commands, learning how the software automatically handles cross-referencing.



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In the Day 2: Advanced Automation and Documentation

The second day shifted toward high-level industry applications and output. The sessions highlighted how automation significantly reduces the design cycle time.

Highlights included:

- **Panel Layouts:** Creating physical representations of electrical cabinets based on schematic data.
- **Single House Plan:** Each student got the knowledge of making drawing and completing through AutoCAD software of the same.
- **Page Setting:** After completion of drawing students are able to do the page setup.
- **Single House:** All students made the plan of single house wiring.

Sample Certificates:





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Student attendance list:-

		Dinkarrao K. Shinde Smarak Trusts DR. A. D. SHINDE COLLEGE OF ENGINEERING Bhadgaon, Gadhinglaj. Dist: Kolhapur Pin:416502 Academic Year 2025-26 Institution's Innovation Council		INSTITUTION'S INNOVATION COUNCIL (Ministry of HRD Initiative)			
Date 14/03/2026 & 15/03/2026							
Industry-Oriented AutoCAD Workshop							
Student Attendance Sheet							
Sr. No.	Name of Students	Class	Sem	Day 01(14/3/26) Sign		Day 02(15/3/26) Sign	
				11:30 am to 1:30 pm	2:00 pm to 4:00 pm	10:00 am to 1:00 pm	2:00 pm to 4:00 pm
1	Sanika M. Patil	SYECE	4th	Patil	Patil	Patil	Patil
2	Sanika J. Kumbale	-	-	Patil	Patil	Patil	Patil
3	Asmita N. Dalavi	-	-	A.N.Dalavi	A.N.Dalavi	A.N.Dalavi	A.N.Dalavi
4	Shreya V. Kambale	-	-	Kambale	Kambale	Kambale	Kambale
5	Sejal S. Gawade	-	-	Gawade	Gawade	Gawade	Gawade
6	Saloni S. Kadam	-	-	Kadam	Kadam	Kadam	Kadam
7	Samruddhi D. Vhanale	SYECE	4th	S.Vhanale	S.Vhanale	S.Vhanale	S.Vhanale
8	Peegana J. Kadam	SYECE	4th	P.Kadam	P.Kadam	P.Kadam	P.Kadam
9	Amruta C. Chittal	SYECE	4th	A.Chittal	A.Chittal	A.Chittal	A.Chittal
10	Sakshi G. Gaikwad	SYECE	4th	G.Gaikwad	G.Gaikwad	G.Gaikwad	G.Gaikwad
11	Tejashree S. Nayakwadi	SYECE	4th	T.S.Nayakwadi	T.S.Nayakwadi	T.S.Nayakwadi	T.S.Nayakwadi
12	Vaishnavi B. Gimbuva	SYECE	4th	V.Gimbuva	V.Gimbuva	V.Gimbuva	V.Gimbuva
13	Aarhi H. Mulik	SYECE	4th	A.Mulik	A.Mulik	A.Mulik	A.Mulik
14	Dhruv Kumar S. Jadhav	SYECE	4th	D.Kumar	D.Kumar	D.Kumar	D.Kumar
15	Tushar Sanku. Kulkarni	Final Year	8th	T.Kulkarni	T.Kulkarni	T.Kulkarni	T.Kulkarni
16	Vinay Anil Kulkarni	Final Year	8th	V.Kulkarni	V.Kulkarni	V.Kulkarni	V.Kulkarni
17	Aditya Maleji Bhise	Final Year	8th	A.Bhise	A.Bhise	A.Bhise	A.Bhise
18	Sagar Gajanan Pradhhan	Final Year	8th	S.Pradhhan	S.Pradhhan	S.Pradhhan	S.Pradhhan
19	Samarth Vijaykumar Trade	SYECE	4th	S.Trade	S.Trade	S.Trade	S.Trade
20	Kunal Mahendra Tharwal	SYECE	4th	K.Tharwal	K.Tharwal	K.Tharwal	K.Tharwal
21	Pravin Parvati Gurav	TYEE	6th	P.Gurav	P.Gurav	P.Gurav	P.Gurav
22	Omkar Balasaheb Patil	TYEE	6th	O.Patil	O.Patil	O.Patil	O.Patil
23	Shreuti D. Lohar	TYEE	6th	S.Lohar	S.Lohar	S.Lohar	S.Lohar
24	Kishi M. Tanqadi	Final Year	8th	K.Tanqadi	K.Tanqadi	K.Tanqadi	K.Tanqadi
25	Mahesh M. Kale	SYECE	4th	M.Kale	M.Kale	M.Kale	M.Kale
26	Abhishek S. Sutar	SYECE	4th	A.Sutar	A.Sutar	A.Sutar	A.Sutar
27	Sanjay S. Wadgaonkar	SYECE	4th	S.Wadgaonkar	S.Wadgaonkar	S.Wadgaonkar	S.Wadgaonkar
28	Shankar A. Huddar	SYECE	4th	S.Huddar	S.Huddar	S.Huddar	S.Huddar
29	Roshan B. Shinde	SYECE	4th	R.Shinde	R.Shinde	R.Shinde	R.Shinde
30	Shubham S. Sozade	SYECE	4th	S.Sozade	S.Sozade	S.Sozade	S.Sozade



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31	Arya Ganesh Kamble	final year	8 th	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
32	Kaushal T. Magdum	final year	VIII	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
33	Amrutesh S. Bhatkar	TYEE	6th	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
34	Vijay S Bhumbur	TYEE	6 th	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
35	Sanjayoti S Sapkal	TYEE	6 th	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
36	Komal A. Bhole	TYEE	6 th	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
37	Shravani M. Onakudari	TYEE	6 th	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
38	Sanika A. Chavan	TYEE	6 th	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
39	Suraj V. Bhandare	TYEE	6 th	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
40	Amal S. Mote	TYEE	6 th	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
41	Ankush D. Magdum	TYEE	6 th	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
42	Vikram A. Ghoshale	TYEE	6 th	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>



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Faculty Members:-

1. Mrs. M. N. Patil.
2. Mr. A. S. Borganve.
3. Mr. B. A. Angadi.
4. Mr. A. C. Kore.

Prof. M. N. Patil
Workshop Coordinator

Prof. A. S. Borganve
HOD

Dr. D. V. Ghewade
Principal

