

PROCESS Report

Clusters: Education

Elaboration: Hands-On Workshop on AUTOCAD by INFO GROW for B. Tech Final Year Students (Electrical Engineering Department).

Process Name: HANDS-ON WORKSHOP ON
AUTOCAD BY INFO GROW

Start date- 04/08/2025

End date-08/08/2025

Status: 100%
(Percentile completion)

Summary

Workshop Focus: A comprehensive 5-day hands-on workshop on AutoCAD, organized in collaboration with Info Grow, aimed at enhancing the technical drafting and design skills of electrical engineering students.

Core Concepts Covered: Participants gained practical experience in 2D drafting, schematic single line diagram creation for electrical systems, layout design, and an introduction to 3D modeling fundamentals.

Skill Development: The workshop emphasized the application of AutoCAD tools specific to electrical design, such as symbol libraries, circuit design, and panel layout.

Industry Practices: The session provided insights into how AutoCAD is utilized in the industry for creating electrical plans, single-line diagrams, and wiring diagrams for various projects.

Expert Training: Resource persons from Info Grow delivered structured training, combining theoretical concepts with extensive practical lab sessions, ensuring each student gained operational proficiency.

About the process

An official request to conduct the workshop was sent to Info Grow, with all necessary approvals obtained from the HoD and Principal Sir. The workshop was organized exclusively for Final Year Electrical Engineering students to bridge the gap between academic curriculum and industry-standard design practices. The Faculty Coordinator and department staff coordinated the logistics, including the arrangement of the computer lab with necessary software licenses. Attendance was meticulously recorded for all five days. Students actively participated in all sessions and completed assigned practical tasks and a final assessment project. Feedback from students was overwhelmingly positive, highlighting the practical utility and enhancement of their skill sets.

Outcome

- **Technical Proficiency:** Students developed hands-on expertise in using AutoCAD for electrical engineering applications, moving from basic commands to creating complex project drawings.

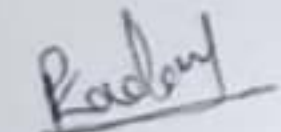
- **Industry Readiness:** The workshop equipped students with a highly valued skill in the electrical industry, making them more competitive for roles in design, project planning, and execution.
- **Practical Application:** Strengthened understanding of subjects like Electrical Machine Design, Designing Single Line Diagrams, Power System Engineering, and Control Systems through practical, visual representation.
- **Certification:** Students received a E-certificate of participation from Departments, adding value to their academic portfolios.

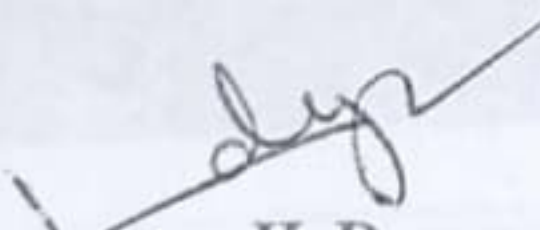
Points to observe

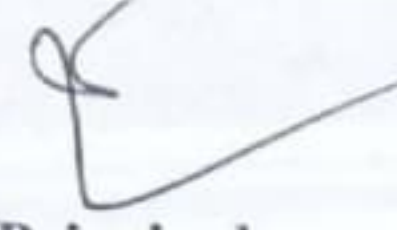
- **Specific Observations:** The workshop covered modules including interface familiarization, geometric drawing, layer management, block creation, and plotting. A special focus was given to creating electrical Single line Diagram of Electrical Installations and Electrical circuits Schematics plans.
- **Key Takeaways:** Students learned the importance of accuracy, scaling, and standardization in technical drawings, which are critical for project clarity and execution.
- **Academic Connection:** Directly correlated with curriculum subjects such as Engineering Drawing, Electrical Design & Drafting, and Project Work.

PO Mapping of the Workshop:

PO No.	Program Outcome	Attainment Through Workshop
PO1	Engineering knowledge	Applied knowledge of engineering fundamentals to create precise and standardized electrical drawings.
PO2	Problem analysis	Identified and solved design challenges in creating logical and efficient electrical layouts.
PO3	Design/development of solutions	Designed electrical diagrams and layouts as solutions for hypothetical project scenarios.
PO5	Modern tool usage	Gained proficiency in AutoCAD, a modern engineering tool essential for design and development.
PO6	The engineer and society	Understood the role of clear and accurate designs in ensuring safe and efficient electrical systems for society.
PO11	Life-long learning	Realized the need for continual up skilling and certifications in the ever-evolving tech field.


Faculty Coordinator


HoD


Principal


Campus Director

Photo Gallery: Hands-On Workshop on AutoCAD by Info Grow

Location: Electrical Engineering Department, DYPCOESN, Kolhapur.

Dates: 04/08/2025 - 08/08/2025



To,

5. Aug. 24

The Principal/ Campus Director.

Dr.D.Y.Patil Pratishthan's College Of Engineering.

Salokhe Nagar Kolhapur.

Respected sir,

(Through Placement officer)

Subject: Depositing the student's amount collected for to conduct REVIT Architecture (AAUTO-CAD).

As above mentioned in the subject 20,000/- Rs collected from the students to conduct value added course for VII semester. Kindly consider this.

The need of this 30hrs activity is fulfilling

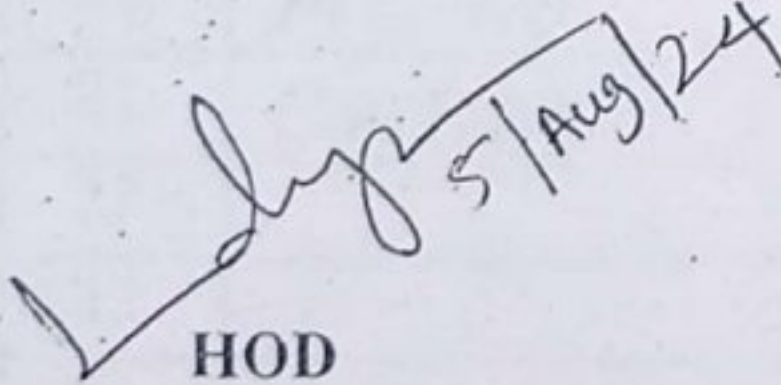
Program Specific Outcomes (PSO) :

- PSO-1: Inculcate the learnt logical and technical skills to visualize the electrical components and systems.

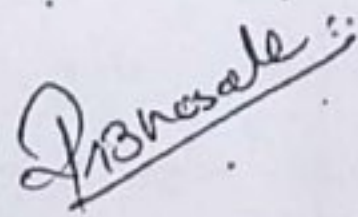
Program Outcomes

- PO5: Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations

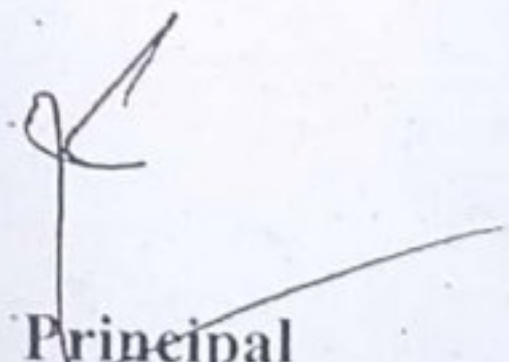
This value added course is helping to the students to understand need of AUTO CAD system in curriculum and need for enriching the subject called power system and CMPS as well as the need for industry also.


HOD

Head of Department
Electrical Engineering
Dr. D. Y. Patil Pratishthan's
College of Engineering


Placement officer




Principal



Dr. D. Y. Patil Pratishthan's College Of Engineering
Salokhenagar, Kolhapur

Doc. No: DYP-ADMN-FRM-02

Revision No. 00

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Revision Date:

Training and Placement Cell.

Revit Training
ELECTRICAL DEPARTMENT

ELECTRICAL DEPARTMENT B.TECH STUDENTS

Date: 10/8/2024

SR.N O.	Name Of Student	Roll NO.	Pre-Lunch Sign.	Post-Lunch Sign
1.	Prasod N. Jadhav	07		
2.	Piyusha A. Jagtap	08		
3.	Pallavi T. Kamble	10	P.T. Kamble	
4.	Ganesh S. Sutar	23		
5.	Patan D. Chougale	03		
6.	Prachi S. Patil	18	P.S. Patil	
7.	Arati N. Kamble	09	AN Kamble	
8.	Yogiraj P. Kanse	12		
9.	Pranali K. Mane	14	PK Mane	
10.	Pourhima K. Dhanje	4		
11.	Vishwerhwar K. Bandgar	01		
12.	Shubham S. Patil	21		
13.	Jagbuti U. Jadhav	06		
14.	Samika S. Patil	19		
15.	Pratiksha S. Nageshkar	15		
16.	Swapnil S. Tawar	25		
17.	Sidharth J. Padman	16		
18.	Sudesh P. Kamble	11		
19.	Sanket S. Patil	20		
20.	Anmol U. Bhosale	02		
21.	Onkar P. Pol	22		
22.				
23.				
24.				
25.				

P. Raut
Mrs. P. Raut A. Raut.



**Dr. D. Y. Patil Pratisthan's
College of Engineering**
Salokhenagar, Kolhapur



DEPARTMENT OF ELECTRICAL ENGINEERING

Certificate

This is to certify that Mr/ Ms Sidharth Jaydeep Padman
has successfully completed bootcamp on Revit MEP from 05-08-2024 to 10-08-2024

Mr Dhaval Bagawade
Info Grow Institute

Dr Vidya M Vanarotti
HOD Electrical Department

Dr. Suresh Mane
Principal

Dr. Abhijeet Mane
Campus Director



**Dr. D. Y. Patil Pratisthan's
College of Engineering**
Salokhenagar, Kolhapur



DEPARTMENT OF ELECTRICAL ENGINEERING

Certificate

This is to certify that Mr/ Ms Sanika Sunil Patil
has successfully completed bootcamp on Revit MEP from 05-08-2024 to 10-08-2024

Mr Dhaval Bagawade
Info Grow Institute

Dr Vidya M Vanarotti
HOD Electrical Department

Dr. Suresh Mane
Principal

Dr. Abhijeet Mane
Campus Director