

1. Title and date of the Event
Five day Skill Development training program for Supporting staff members in 2D and 3D drafting using AutoCAD software
2. Coordinators Details: **Mr. M.Maheswaran, Assistant Professor, Mr. J. Baskaran and Mr. A. Baskaran, Instructors**
2. Attach here: Photos.



Photos of Participants with Geotag practicing AutoCAD software in CAD lab



Photos with Geotag indicating Dr. A. Saravanan explaining the basics of AutoCAD software



Photos with Geotag indicating Mr. A. Kumarasamy explaining different projections

4. One Page write up program objectives & Benefits.

(i) Star Performer Faculty Name: **Dr. A. Saravanan, Assistant Professor**

(ii) Star performer Participant Name: **Mr. V. Senthilvelavan, Assistant Professor**, email id: **senthilvelan@svce.ac.in**, Phone number of student: **9884773837**

(iii) No.of Internal/external Students participated:

Total Students: , Internal: , External :

No.of Internal/external Faculties participated: Total: **14** , Internal: **14**, External: **0**

Total No of Participants: **14**

Five day Skill Development training program for Supporting staff members in 2D and 3D drafting using AutoCAD software – Detailed Report

The five-day Skill Development training program for supporting staff members focuses on 2D and 3D drafting using AutoCAD software. Scheduled from December 4 to December 8, 2023, this training will be held at the CAD lab in the Department of Mechanical Engineering. The program is designed to enhance participants' skills in using AutoCAD for creating precise and detailed technical drawings, essential for various engineering applications. On the first day, December 4th, Dr. A. Saravanan will introduce AutoCAD, covering co-ordinate systems, creating 2D objects, text creation, drafting settings, editing and modifying commands, and changing properties. In the second session, Mr. J. Baskaran will provide exercises for practice, allowing participants to apply the concepts learned.

The second day, December 5th, will be led by Mr. A. Baskaran, who will focus on dimensioning, hatching with various pattern types, view group commands, and the usage of layers. The practical application of these topics will be reinforced through exercises in the second session, conducted by Mr. J. Baskaran.

On December 6th, Mr. A. Kumarasamy will introduce orthographic and isometric projections, crucial for understanding different views and perspectives in technical drawings. The second session will involve exercises to practice these projection techniques, ensuring participants gain hands-on experience.

The fourth day, December 7th, will delve into 3D drafting with Mr. M. Maheswaran. Participants will learn about AutoCAD 3D and Autodesk Fusion 360, including converting 3D models into 2D drawings. The afternoon session will consist of exercises to practice these skills.

The final day, December 8th, will continue with Mr. M. Maheswaran focusing on advanced modeling techniques in Fusion 360 and exploring 2D drafting options. The program will conclude with practice exercises, reinforcing the advanced concepts covered.

The training program will be attended by 14 participants from various departments, including Mechanical, Electrical, and Civil Engineering, as well as Automobile Engineering. The attendees consist of instructors, mechanics, and other staff members, all aiming to enhance their skills in 2D and 3D drafting using AutoCAD software.

Overall, this comprehensive training program spans 25 hours, blending theoretical knowledge with practical application. By the end of the program, supporting staff members will have gained significant proficiency in AutoCAD, equipping them with the necessary skills to support various engineering drafting tasks effectively.

Topics Covered

The following faculty members handled various topics and are listed as follows:

Software: AUTOCAD 2021 & Fusion 360

Training duration: 25 Hrs (5 days)

S.NO	DATE		TOPICS
1	04/12/2023 Monday	Session 1	Introduction to AUTOCAD, co-ordinate systems, Creating objects (2D), Creating text, drafting settings, Editing and modify commands, Changing properties
		Session 2	Exercise for practice
2	05/12/2023 Tuesday	Session 1	Dimensioning, Hatching – Pattern types, View group commands, Usage of Layers
		Session 2	Exercise for practice
3	06/12/2023 Wednesday	Session 1	Introduction to Orthographic Projection and Isometric Projection
		Session 2	Exercise for practice
4	07/12/2023 Thursday	Session 1	Auto CAD 3D, Introduction to Autodesk Fusion 360, Conversion of 3D to 2D drawing
		Session 2	Exercise for practice
5	08/12/2023 Friday	Session 1	Advanced modelling in Fusion 360, 2D drafting options
		Session 2	Exercise for practice
			TOTAL HOURS = 25 Hrs

FN Session – 9.00 AM – 12.00 Noon with tea break for 15 Minutes,

AN Session - 12.45 PM – 3.15 PM with a tea break for 15 Minutes

Participants List

S.NO	NAME	MOBILE NO	EMAIL ADDRESS
1	BALURANI	8610469353	balurani@svce.ac.in
2	DINESH KUMAR K	9360200779	dineshkumark@svce.ac.in
3	RAJKUMAR S	9442111500	sraj@svce.ac.in
4	KANDASAMY	9444307845	rksamy@svce.ac.in
5	RAJKUMAR R	9944917212	rraj@svce.ac.in
6	BALAKRISHNAN N	9976582895	balakrishnann@svce.ac.in
7	VEDHACHALAM B	9677522422	vedha@svce.ac.in
8	FRANCIS INIGO RAJ L	9444294958	francis@svce.ac.in
9	YOKESHKUMAR V	6381241806	yokeshkumar@svce.ac.in
10	REVATHI S	7373802732	srevathi@svce.ac.in
11	RAMESH R	9962431349	rramesh@svce.ac.in
12	GAJALAKSHMI A	7358260845	gajalakshmia@svce.ac.in
13	AMBICA	9008465828	ambicaj@svce.ac.in
14	BHUVANESWARI S	9677665655	sbhuvana@svce.ac.in

Five day Skill Development training program for Supporting staff - AutoCAD software - Brochure

1 message

MAHESWARAN M MEC <maheswaran@svce.ac.in>
To: Hod Mech <hodme@svce.ac.in>

Thu, Nov 23, 2023 at 1:48 PM

Dear Professor,

I am happy to inform you about an upcoming Skill Development Program, "**Five day Skill Development training program for Supporting staff members in 2D and 3D drafting using AutoCAD software**" scheduled to take place from December 4, 2023, to December 8, 2023. The program aims to enhance the professional skills of our supporting staff members.

Objective of the Program:

- Upon completion of the AutoCAD Skill Development Training Program, supporting staff will demonstrate proficiency in utilizing AutoCAD software to create accurate and efficient technical drawings and designs.

Outcomes of the Program:

- Gain proficiency in 2D drafting and 3D modeling techniques.
- Acquire the ability to create accurate and standardized technical drawings.
- Learn time-saving strategies and shortcuts to increase productivity


I kindly request you to disseminate the program brochure to all supporting staff members in our department and other departments. This will help ensure that interested individuals are aware of the opportunity and can participate in the program.

Registration link: <https://forms.gle/LkJPD4Fo2S7DnnZt7>

Attached to this email is the program brochure containing detailed information about the sessions and topics to be covered.

Thank You....

Maheswaran M,
Assistant Professor,
Department of Mechanical Engineering,
Sri Venkateswara College of Engineering, Pennalur

 **Brouchure and Schedule.pdf**
826K