

Swami Keshvanand Institute of Technology, Mgt. and Gramothan, Jaipur

Department of Mechanical Engineering

Online Expert Talk on

‘Awareness about CAD/CAM Software’

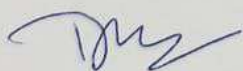
Date: 11 Dec 2021

We are pleased to inform you that the Department of Mechanical Engineering, SKIT, Jaipur under the banner of *ASME student section* is organizing an Online Expert Talk of **Mr. Ravi Kumar Swami, Director, CADEMATE Jaipur** on “Awareness about CAD/CAM Software” from 4.30 pm – 6 pm on 13 Dec. 2021.

All the students of B.Tech. and faculty members are invited to join the expert talk. The program is as follows:

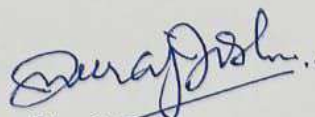
Title	“Awareness about CAD/CAM Softwares”
Expert	Mr. Ravi Kr. Swami
Date	13 Dec. 2021.
Time	4.30 pm – 6 pm
Mode	Online (Google meet)

Link will be WhatsApp and E mail to students. Batch Counselors are requested to circulate this message among students for participation in the programme and collect their attendance.



Dr. Deepak Kumar

(Coordinator Expert Lecture)



Prof. Dheeraj Joshi

(Head, Deptt. of Mechanical Engineering)



Swami Keshvanand Institute of Technology, Mgt. and Gramothan, Jaipur

Department of Mechanical Engineering

Report on Online Expert Talk on 'Awareness about CAD/CAM Softwares'

Date: 14 Dec 2021

Mr. Ravi Kr. Swami, Director CADEMATE Jaipur explained the importance of Computer-aided design/computer-aided manufacturing (CAD/CAM) to engineering students on **13 dec. 2021**. He said it is a combination of two terms CAD and CAM to describe the software that is used to design and manufacture prototypes, finished products, and product runs. It offers design through manufacturing and is most often used with a computer numerical control (CNC) machine, which is a motorized, manoeuvrable tool and platform that is controlled by a computer according to specific instructions. To better understand CAD/CAM, a breakdown of the individual terms is below.

CAD : It is a software tool used by engineers, architects, designers, and drafters to create digital 2D and 3D drawings to design a variety of items and spaces. Computer models are created and defined by geometrical patterns. CAD allows designers to test the objects by simulating real-world conditions. It can design anything from a simple shampoo bottle to a complex jet plane.

CAM : It is also known as Computer-aided Modeling or Computer-aided Machining is the use of software to control machine tools and related ones in the manufacturing of work pieces. CAM may also refer to the use of a computer to assist in all operations of a manufacturing plant, including planning, management, transportation and storage. Its primary purpose is to create a faster production process and components and tooling with more precise dimensions and material consistency, which in some cases, uses only the required amount of raw material, thus minimizing waste, while simultaneously reducing energy consumption. CAM is now a system used in schools and lower educational purposes. CAM is a subsequent computer-aided process after computer-aided design (CAD) and sometimes computer-aided engineering (CAE), as the model generated in CAD and verified in CAE can be input into CAM software, which then controls the machine tool. CAM is used in many schools alongside Computer-Aided Design (CAD) to create objects.

Typical areas of concern are High-Speed Machining, including streamlining of tool paths, Multi-function Machining, 5 Axis Machining, feature recognition and machining, Automation of Machining processes, ease of Use.

After query session students given a positive response to the expert talk and shown awareness about the softwares. Vote of thanks given by Dr. Deepak kumar.

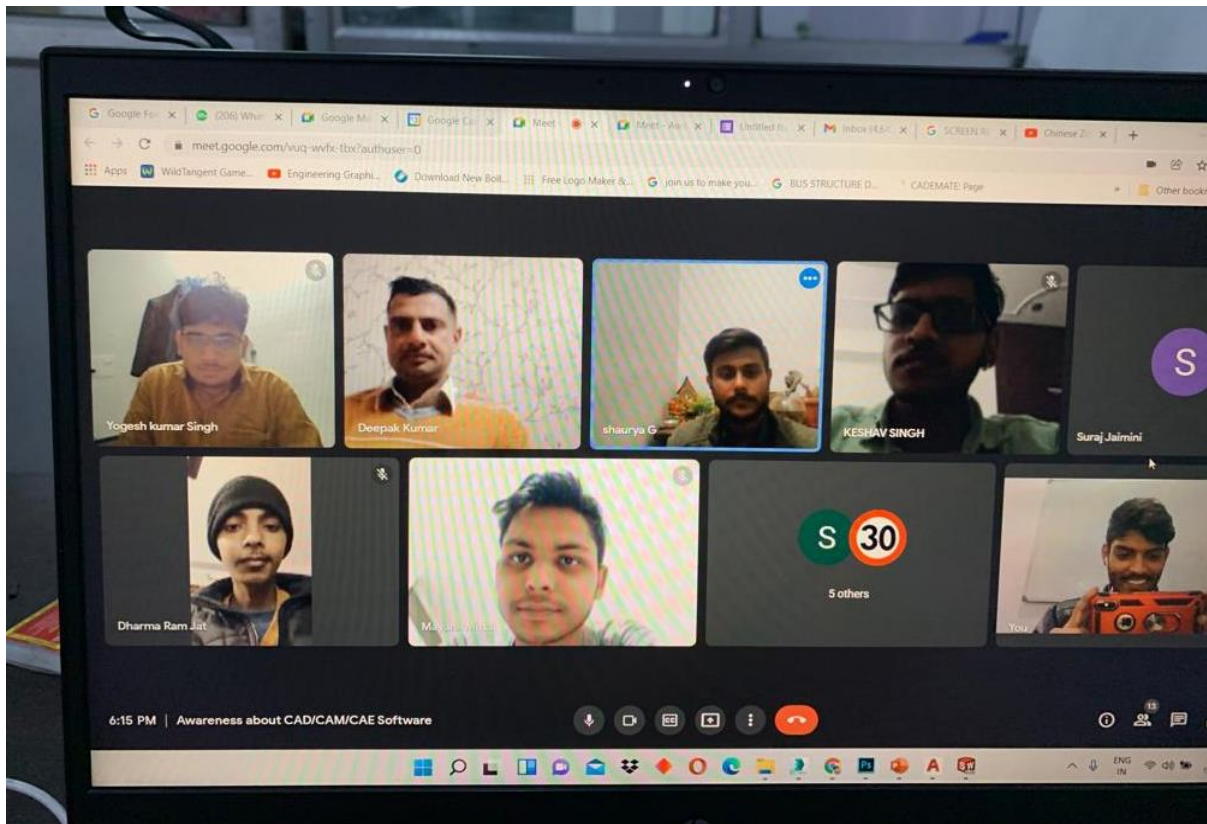


Image of Expert talk on CAD/CAM softwares

Sr no.	Email Address	NAME	COLLEGE/UNIVERSITY NAME
1	saurabhkumarsharma0210@gmail.com	Saurabh Kumar Sharma	Cadernate
2	Harshmah2760@gmail.com	Harsh Maheshwari	Swami keshwanand institute of technology management and gramothan
3	yogendrahera@gmail.com	Yogendra Singh Shekhawat	SKIT
4	Kunalmittal120@gmail.com	Kunal Mittal	SKIT, Jaipur
5	navaltipathi69@gmail.com	Naval Tripathi	Swami keshavand institute of technology management and gramothan
6	chitranshgupta56@gmail.com	Chitransh Gupta	SKIT
7	jhabhaskar7209@gmail.com	Bhaskar	Skit jaipur
8	k99deepakku@gmail.com	DEEPAK KUMAR YADAV	Swami KESHAVANAND institute of technology management and GRAMOTHAN jaipur
9	ritik28120sharma@gmail.com	Ritik sharma	Skit jaipur
10	amanadityaojha@gmail.com	Aman Aditya	SKIT
11	karansonijpr96@gmail.com	Karan Soni	Skit jaipur
12	Pawan.Pareek1100@gmail.com	Pawan pareek	SKIT JAIPUR
13	kaelinverma@gmail.com	Kaelin	Swami keshwanand institute of technology management and gramothan
14	ds9352141829@gmail.com	Dheeraj Sharma	Swami Keshvanand institute of technology
15	ys796977@gmail.com	YOGESH KUMAR SINGH	SKIT JAIPUR
16	aryan.soni1102@gmail.com	Aryan soni	SKIT
17	kr.ravigupta006@gmail.com	RAVI RAJ	SKIT COLLEGE
18	btech19eskme061@skit.ac.in	Dipesh Goyal	Swami keshwanand institute of technology management and gramothan jaipur
19	bhanuchasta17@gmail.com	Bhanu Krishna chasta	Rajasthan technical University
20	kuldeepkumarsharma9999@gmail.com	Kuldeep Sharma	Rajasthan technical University kota
21	akankity@gmail.com	Ankit Yadav	Swami Keshvanand Institute of Technology Jaipur
22	ashvinsingh507@gmail.com	Ashvin singh	SWAMI KESHVANAND INSTITUTE OF TECHNOLOGY, JAIPUR
23	btech19ESKME051@skit.ac.in	DEEPAK KUMAR YADAV	SWAMI KESHAVANAND INSTITUTE OF TECHNOLOGY MANAGEMENT AND GRAMOTHAN JAIPUR