



# JAYA ENGINEERING COLLEGE

CTH Road, Prakash Nagar, Thiruninravur, Chennai - 602024



Event Title	Workshop on “ <b>ADDITIVE MANUFACTURING</b> ”		
Resource Person	Mr.Rahul Shivakumar Managing Director ShivPrema Industries Pvt. Ltd, Chennai		
Academic year	2022-2023		
Organizing Department	Mechanical Engineering		
Program Type (Workshop / Motivation speech / Field Visit / Competition / Others)	Workshop		
Program Theme (IPR / R&D and Innovation / Start-up / Entrepreneurship / Design Thinking / Incubation & Pre – Incubation / others)	Design Thinking		
Start date & End Date (DD/MM/YYYY)	16-08-2022	16-08-2022	
Duration of the activity (in Mins) & Start Time & End Time	Duration: 210 Mins	Start Time: 9.30 AM	End Time: 01.00 PM
Participants	Students: 117	Faculty: 10	External: 8
Mode of session (online / offline)	Offline		
Event Organizer	Mr.K.Ganesan / Assistant Professor / HOD (MECH)		
Event Coordinator	Dr.V.Chokkalingam / Professor / MECH		
Target Participants	III & IV Year students		
Outcome	The students are well equipped with the knowledge that if in future they need to make 3D Print via 3D Printing technology		

Institution Innovation Council (IIC) – JEC jointly organized a one day workshop on 16 August 2022 through offline mode, venue at Seminar Hall, EEE Block in our institution. The Event started at 9.30 A.M with a warm welcome address by the presidential address by **Dr.S.Rajendran** / President – IIC followed by the presidential address given by **Dr.L.Shanmuganathan** / Director, JEC. The workshop is coordinated by **Dr.V.Chokkalinagam**, Professor, Faculty of Mechanical Engineering, Jaya Engineering College.

The session starts by the resource person “Mr.Raghul Shivakumar, Managing Director, ShivPrema Industries Pvt. Ltd, Chennai titled as “**One Day Workshop on Additive Manufacturing**”. The speaker has kindled the curiosity of the entire student participants on their innovative thinking and idea formulation. The session mainly focused on Problem Identification, Idea Generation and Innovative Thinking.

In the beginning **Mr.Raghul Shivakumar** gave the introduction on 3D Printing and its various applications in the today’s world. Later he explained the different types of 3D Printing Technologies and its day to day application in today’s time. He explained why one should opt for 3D printing instead of any other technology. He guided the students regarding the broad future career they have in this vast field and as it is exponentially growing at a very high rate in the last 10 years. He also motivated the students to perform “Hands on Activity” on the 3D Printer so that every student has a visualized knowledge of 3D Printers and its working procedure. He later gave the students a live problem to which he told them to perform brain storming together and works out different ideas for the same and gave viable Design solutions and the best solution was awarded a prize.

After the theoretical Session, the Designing and printing session was carried out by **the Resource Person**. He helped the students in visualizing, creating, brainstorming different layouts on CATIA. He was helping the students throughout the seminar and no unattended doubts were left as each single doubt was cleared by the speaker. He helped the students in designing models on CATIA and later converts it into file containing G-CODES & M-CODES & later apply those so that a 3D Print of the layout they made on CATIA could be printed via the 3D Printers they bought with them. Different layouts were printed and now the students are well equipped with the knowledge that if in future they need to make 3D Print via 3D Printing technology, they won’t hesitate. The session is very interactive and students participated enthusiastically.

The vote of thanks was given by **Mr.K.Ganesan**, Assistant Professor & HEAD, Department of Mechanical Engineering, Jaya Engineering College. He gave best wishes to all students and faculty members for delightful and successful life. As per the feedback received from the participants it was very good learning experience, the lecture helped them in understanding the 3D PRINTING TECHNOLOGY.



HOD

PRINCIPAL