Who should attend?

Academicians. Research Scholars, Corporate Heroes, Entrepreneurs, students from Engineering colleges and relevant disciplines are encouraged to attend this programme.

REGISTRATION FEE

***For Students** :₹.350/-*
***For Faculty / Research Scholars** :₹.700/-*
***For Industrial Delegates** :₹.1000/-*
Students must bring their laptops for hands-on training

**The registered participants will be provided with lunch, refreshment, accommodation, course materials and participation certificate.*

Completed registration form either in the form of hard copy or soft copy should reach the co- ordinators on or before **24th April 2023.*

IMPORTANT DATES

Last date for submission of registration form : 20.04.2023
Intimation of selection via e-mail :22.04.2023

ADDRESS FOR COMMUNICATION

Mr. N. Rajkumar
&
Mr. S. Karthikeyan

Department of Mechanical Engineering,
University V.O.C College of Engineering,
Anna University - Thoothukudi campus
Thoothukudi - 628008
Contact : 9500386505 & 9791833423

COMMITTEE

CHIEF PATRON:

Dr. R. Velraj,
Hon'ble Vice Chancellor,
Anna University - Chennai.

PATRON:

Dr.G.Ravikumar,
Registrar(i/c),
Anna University - Chennai.

CHAIRPERSON:

Dr. P. Hariharan ,
Director-CCC,
Anna University - Chennai.

CO-CHAIRPERSON:

Dr. C. Peter Devadoss,
Dean,
University V.O.C College of Engineering,
Thoothukudi.

ORGANIZING SECRETARY:

Dr. R. A. Malairajan *HOD/MECH*

ORGANIZING COMMITTEE :

Mr. N. Rajkumar *TF/MECH*
Mr. S. Karthikeyan *TF/MECH*

MEMBERS :

Dr. A. Karthikeyan *AP/MECH*
Mrs. T. Usharani *AP/MECH*
Dr. S. Amal Bosco Jude *AP/MECH*
Mr. P. Anburaj *TF/MECH*
Mr. R. Ranjithkumar *TF/MECH*
Mr. M. Steny Ebenezer *TF/MECH*
Mr. P. Vengala Kumar *TF/MECH*
Mr. M. Vinoth Kumar Kannan *TF/MECH*

ONE-DAY NATIONAL LEVEL
WORKSHOP
ON

" ADDITIVE MANUFACTURING "

24th April 2023

Organised by
Department of Mechanical Engineering
University V.O.C College of Engineering
Anna University - Thoothukudi Campus
Thoothukudi,
Tamil Nadu - 628008

ABOUT THE COLLEGE

University V.O.C College of Engineering, Thoothukudi, a constituent college of Anna University, was founded in 2009 with the mission of providing students with professional education and working towards the goal of producing outstanding engineering professionals. The institution's goal is to instill high-quality, innovative, and responsive education. Its influence goes beyond education and research to push the boundaries of human knowledge. This provides students with exposure to current trends in their chosen domains as well as practice. The institution is a global knowledge hub with a network of expert academics. There are highly qualified and experienced teaching faculty with doctorates in a variety of fields. The institution provides a one-of-a-kind learning experience that spans academic and social experiences.It also aims to instill social and moral values in students in order to make them responsible citizens of India. The institution is well-equipped for academic activities, with necessary laboratories and advanced equipment.

ABOUT THE DEPARTMENT

The Mechanical Engineering Department was established in 2009. The Department is dedicated to setting high standards of excellence by allowing students to gain knowledge on emerging technologies and their application in real-world situations. The Department was the first to offer a UG course in Mechanical Engineering (English and Tamil Medium). Each course has a student intake of 60. The laboratories are well-equipped with cutting-edge technology. Creo 3.0 and ANSYS 18.0 are available in the Computer Aided Design laboratory. A well-established CNC lab is one of the department's most valuable assets. The department's faculty members have extensive experience in teaching, research, and industry. Their research interests include supply chain management, welding, and composites.

ABOUT THE WORKSHOP

Additive manufacturing refers to a process by which digital 3D Design data is used to build up a component in layers by depositing material. Additive Manufacturing (AM) caters to the quest for a material to suit the service performance, which is almost the oldest of our civilization. Flexibility & capability of producing near net shape critical components directly from computer aided design (CAD) is partly responsible for its attraction. The technology has especially been applied in conjunction with rapid prototyping – the construction of illustrative & functional prototypes. Additive manufacturing is now being used increasingly in series production. The strengths of Additive Manufacturing lie in those areas where conventional manufacturing reaches its limitations.

Resource Person

Dr. S. Rajakumar, Ph.D., *AP/MECH*
Anna University Regional CampusTirunelveli (AURCT),
Tirunelveli-627002.
Mr. S.Senthil kumar
DREAM SHAPES 3D PRIVATE LIMITED
Chennai.
Mr. S.Vinoth
Entrepreneur & Alumni
University V.O.C College of Engineering.

CONTENT OF THE WORKSHOP

1. Introduction Additive Manufacturing & 3D Printing Technology
2. Various Types of Industrial 3D printers
3. Hands-on training on 3D Designing and Slicing
4. Demos of 3D Scanning Devices
5. About FDM 3D Printers
6. Live Demo on Prototype 3D printing
7. Model Preparation

REGISTRATION FORM

A One -Day National Level Workshop
on
ADDITIVE MANUFACTURING
24 April 2023

1. **Name :**
2. **Designation :**
3. **Institution :**
4. **Category :**
   (Faculty/
   Research Scholars/Students/Industrial Delegates)
5. **Address for Communication**
   Mobile No. :
   E-mail ID :
6. **Details of Payment**
   DD No./Trans id:
   Date :
   Bank & Branch :
   Amount :
   Lunch : Veg/Non-veg
   Accommodation: Yes/No

Signature of the applicant

This is to verify that the above person is a bonafide member of our Institution/Industry and the information given above is correct.

Authorized signature with seal