

EVENT DETAILS

- All the sessions will be conducted through Online through MS TEAMS Platform.
- The meeting link will be shared through Whatsapp/mail only for the selected participants.

TEST AND CERTIFICATE

An Online Test will be conducted at the end of the program. The certificates shall be issued to those participants who have attended the program with minimum 80% attendance and scored minimum 60% marks in the test.

REGISTRATION DETAILS

- Maximum number of participants will be limited to 200.
- Registration will be on first come first serve basis.
- No registration fee will be charged from the participant and they will be provided free course material.
- Registration has to be done through ATAL portal.
<https://www.aicte-india.org/atal>

ABOUT FDP

Organ printing or biomedical application of rapid prototyping, also defined as additive layer-by-layer biomanufacturing, is an emerging transforming technology that has potential for surpassing traditional solid scaffold-based tissue engineering. It is an automated approach that offers a pathway for scalable reproducible mass production of tissue engineered products. The ultimate goal of organ-printing technology is to fabricate 3D vascularized functional living human organs suitable for clinical implantation.

WHO CAN PARTICIPATE?

The faculty members of the AICTE approved institutions, research scholars, PG Scholars, participants from Government, Industry (Bureaucrats/Technicians/Participants from Industry etc.) and staff of host Institution.

CONTACT DETAILS

Mr.N.R.Madhan, Dr.M.Prithiviraj & Mr.A.Sankara Narayana Murthy
Assistant Professor(s)
Department of Mechanical Engineering,
Kamaraj College of Engineering and
Technology (Autonomous),
Madurai - 625701, Tamilnadu, India.
Mail : sankarmech@kamarajengg.edu.in
Phone : 8778488278/ 9952134072



AICTE Training and Learning (ATAL)
Academy sponsored

Online
Faculty Development Programme
(FDP)

ORGAN PRINTING

USING
3D PRINTING TECHNOLOGIES
TO MAKE SELF RELIANT INDIA

DECEMBER 07-11 , 2021

Co-Ordinators
Mr.N.R.Madhan, Dr.M.Prithiviraj
& Mr.A.Sankara Narayana Murthy
Assistant Professor(s) / Mechanical Engineering



Organized by
Department of Mechanical Engineering
(Accredited by NBA, New Delhi)



OBJECTIVES OF ATAL

Academy is to plan and help in imparting quality technical education in the country and to support technical institutions in fostering research, innovation and entrepreneurship through training in various emerging areas.

VISION OF ATAL ACADEMY

To empower faculty to achieve goals of Higher Education such as access, equity and quality

REGISTRATION

- All the participants should register in the AICTE portal for attending the ATAL FDP. Registration link: <https://atalacademy.aicte-india.org/signup>
- After initial registration in the portal, the participant should login into the website using his/her credentials
- In the participant login under the workshop tab, the participant should search the FDP using the title of the programme
- The participant after applying in their login, can check the status under the Applied workshops tab
- The number of seats is limited to two hundred (200). If we receive more applications towards registration, short-listing will be done based on the area of interest and academic background of the applicant.
- There is no registration fee for attending the workshop.

ABOUT THE COLLEGE

Kamaraj College of Engineering and Technology (Autonomous), Virudhunagar, a self-financing institution offers Quality Technical Education over a decade. This Institution has been approved by All India Council for Technical Education (AICTE), New Delhi and affiliated to Anna University. NAAC has extended the validity of Accreditation of our Institution with CGPA of 3.03 on Four point scale at "A" Grade for a period of 5 years. Our institution has received the Autonomous status during 2019 for 10 years. The college offers 11 UG and 6 PG Programmes. We are recognised as Research centre for 7 programmes in Engineering and Technology. The institute has centres of excellence in Data science and predictive technologies, SMC industrial automation.

ABOUT THE DEPARTMENT

The Department of Mechanical Engineering started with the UG programme in the year 2005 and PG programme in Manufacturing Engineering in the year 2012. The department has highly qualified and experienced faculty members in different fields of specialization. Our department is recognised as research centre by Anna University. The department is reaccredited by NBA, New Delhi for a period of 3 years from 2020 - 2023. The department has signed MOU with Siemens COE, NIT Trichy.

COURSE CONTENTS

- 3D Printing and Rapid Product Development
- 3D Printing – A disruptive technology
- Industry 4.0 and Sustainable Manufacturing 3D Printing: The 4th Industrial Revolution
- Slicing software application for 3D Printer
- Applications of 3D Printing in Medical field
- Advanced Software in Bio-Medical for 3DP
- IoT applications in 3D Printing
- Materials for Organ Printing
- Project Funding opportunities in Metal AM

RESOURCE PERSONS

1. Dr. Arvind Kumar,
Asso. Professor, IIT Kanpur.
2. Dr. Srinivasa Prakash Regalla,
BITS Pilani, Hyderabad Campus
3. Dr. V. Ananda Krishnan,
Professor, NIT Trichy
4. Dr. K. P. Karunakaran,
Professor, IIT Mumbai
5. Dr. Senthil kumaran kumaraguru ,
Associate Professor, NIT Warangal
6. Dr. Y. Ravi kumar,
Associate Professor, NIT Warangal
7. Mr. Sriram Krishna,
Application Engg, Siemens COE, NITT
8. Dr. Prashant K Jain,
Professor, IITDM Jabalpur
9. Dr. Pavan K Kankar
Associate Professor, IIT Indore
10. Dr. Sandeep Rathee
Assistant Professor, NIT Srinagar