

## ABOUT APSCE

The APS Educational Trust, with a proud legacy spanning 89 years of dedicated service in the field of education, operates a network of schools, pre-university institutions, and degree colleges. This trust is led by accomplished individuals in the academic realm who are deeply committed to the betterment of society. In Bangalore, APS is synonymous with delivering high-quality education, and the college represents a significant stride forward in upholding this tradition. With such a formidable reputation, the teaching staff at APS College of Engineering spares no effort in their pursuit of academic excellence. Established in 1997 by the APS Educational Trust, this institution is a private co-educational Engineering and Management college located in Bangalore, India and is affiliated with VTU.

## ABOUT MAHER

Meenakshi Academy of Higher Education and Research (MAHER), a Deemed to be University, is a multidisciplinary institution that strives towards societal upliftment by providing world-class education. Established in the year 2004, the institution has made remarkable strides in various spheres and has attained the distinction of being a premier institution in higher education. MAHER is currently headed by the Chancellor, Mrs. R.Gomathi and the Pro-Chancellor, Mrs. Jayanthi Radhakrishnan, who have imbibed the values and commitment advocated by the Founder Chancellor of MAHER (Late) Thiru A.N Radhakrishnan, the visionary architect of this magnificent institution. The fact that MAHER is currently ranked 16th in the National Institution Ranking Framework under the dental category reflects the institution's commitment in maintaining high standards of education. MAHER has also received the international accreditation of ISO 21001:2018 for the Education Organization Management System adopted in the institution. MAHER's commitment towards research excellence is evidenced by its complete funding of patent/IPR processes, generous publication incentive schemes for the faculty and abundant research opportunities/recognitions for the students. This conference is yet another endeavour by MAHER towards fostering research culture and promoting research excellence among the students and faculty members.

## ABOUT SIKSHA 'O' ANUSANDHAN

Siksha 'O' Anusandhan (SOA) is a distinguished private deemed university located in Bhubaneswar, Odisha, India. Established in 1996 as the Institute of Technical Education and Research (ITER), SOA has evolved into a prestigious institution with nine accredited schools and colleges. The university offers a wide range of nationally accredited programs, including Engineering, Medicine, Pharmacy, Business, Nursing, Biotechnology, Science, Humanities, Environment, Nano technology, Materials science, Agriculture, and Law with a student body of around 15,000, SOA's campuses span 127 acres in Bhubaneswar. Recognized by the University Grants Commission (UGC) in 2007 as a Deemed to be University, SOA achieved Category-I Graded Autonomy Status in 2022 and SOA University has been ranked at 15th position by NIRF 2023. Highlighting its dedication to providing high-quality education and fostering a dynamic learning environment. Experience academic excellence and innovation at Siksha 'O' Anusandhan University, where students are prepared to become leaders in their respective fields.

## ABOUT THE DEPARTMENT

The Department of Mechanical Engineering started in the year 2010. The department has well-qualified faculties having vast experience in both teaching and industry. The department has library facilities with more number of journals. Many of the staff members have represented conferences seminars & workshops at various colleges & universities. The department also has a research centre recognized by VTU.

## TARGET AUDIENCE

- Faculty members from various disciplines
- Research scholars and postgraduate students
- Professionals and Researchers interested in 3D printing and Reverse Engineering

## ABOUT THE FDP

The Faculty Development Program (FDP) on "3D Printing and Reverse Technology in Medical Applications" is designed to equip educators and professionals with practical knowledge and skills in utilizing 3D printing and reverse engineering techniques. The program aims to cover fundamental concepts, hands-on experience with technologies, designing for 3D printing, medical and industrial applications, collaboration, research potential and ethical considerations.

## TOPICS OF DISCUSSION

- Introduction to 3D Printing
- Introduction to Reverse Engineering
- Medical Implants and Prosthetics
- Medical Applications - 3D Printing and Reverse Engineering

## WHO CAN PARTICIPATE

The following can apply and participate in the FDP :  
Faculty members from AICTE approved Institutions  
Research Scholars, PG students, Participants from Government, Industry (Bureaucrats/Technicians etc and staff of host Institution)



1997



**A P S COLLEGE OF ENGINEERING**

**MEENAKSHI ACADEMY OF HIGHER  
EDUCATION AND RESEARCH**

**SIKSHA 'O' ANUSANDHAN  
UNIVERSITY**

**Deemed to be University**

**Jointly Organizing**

**Six-Days Faculty Development  
Program (FDP)**

**on**

**3D PRINTING AND REVERSE  
ENGINEERING TECHNOLOGY IN  
MEDICAL APPLICATIONS**

**4<sup>th</sup> Dec 2023 to 9<sup>th</sup> Dec 2023**

**Department of Mechanical Engineering,  
APSCE, Bangalore**

## OBJECTIVE

The objective of the Faculty Development Program (FDP) on "3D Printing and Reverse Engineering Technology in Medical Applications" is to equip educators and professionals with practical knowledge and skills in utilizing 3D printing and reverse engineering techniques. The program aims to cover fundamental concepts, hands-on experience with technologies, designing for 3D printing, medical and industrial applications, collaboration, research potential, and ethical considerations

## EXPECTED OUTCOMES:

- Develop practical skills in designing and implementing break through innovations for Additive Manufacturing Technologies Solutions.
- Be well-prepared to teach 3D-Printing Technologies courses and mentor students in related projects.

## CHIEF PATRONS

### **C A Dr. Vishnu Bharath Alampalli**

Hon. President, APSET, Bangalore

### **Prof. Jayanthi Radhakrishnan**

Pro-Chancellor, MAHER, Chennai

### **Prof. Amit Banerjee**

Chancellor, Siksha 'O' Anusandhan, Bhubaneswar

## PATRONS

### **Prof. A Prakash**

General Secretary, APSET, Bangalore

### **Prof. S C Sharma**

GC Chairman APSCE, Vice President APSET, Bangalore

### **Prof. R S Neelakandan**

Vice Chancellor, MAHER, Chennai

### **Prof. Pradipta Kumar Nanda**

Vice Chancellor, Siksha 'O' Anusandhan, Bhubaneswar

## CONVENER

### **Dr. D G Anand**

Principal, APSCE, Bangalore

### **Prof. Dr. Nandini .S**

Professor, MAHER

### **Dr. Seshadev Sahoo**

Associative Professor, SOA

### **Dr. K S Anand**

Professor & Vice Principal, APSCE

## ORGANIZING SECRETARIES

### **Dr. Ravikumar R**

TPO, APSCE

### **Dr. A Hareesh**

Professor & HOD, Mechanical Engg, APSCE

### **Dr. Thirumal Kumar D**

Assistant Registrar, MAHER

## FDP COORDINATOR

### **Prof. Satyabodh Raichur, APSCE**

Mob : 9916955250

## ORGANIZING COMMITTEE

### **Dr. Anitha R**

Assistant Professor, MAHER

### **Dr. Bommanna K**

Assistant Professor, APSCE

### **Prof. Anupama BS**

Assistant Professor, APSCE

## REGISTRATION FEE

**Registration Fee: Rs. 250/-**

**Amount can be transferred by following A/C through NEFT/IMPS**

## PAYMENT DETAILS

Bank Name: **State Bank of India**

Branch: **Kaggalipura**

A/C Type: **Savings,**

A/C Number: **6 4 0 7 6 5 0 2 3 0 4**

IFSC Code: **S B I N 0 0 2 1 7 3 4**

[Scan for Registration](#)

A/C Holder: **Principal APS College of Engineering**



## REGISTRATION FORM

Name : \_\_\_\_\_

Designation : \_\_\_\_\_

Department : \_\_\_\_\_

Organization : \_\_\_\_\_

Highest Qualification : \_\_\_\_\_

Experience : \_\_\_\_\_

Address for Correspondence : \_\_\_\_\_

Mobile: \_\_\_\_\_

E mail ID : \_\_\_\_\_

Date :

Signature