ABOUT THE INSTITUTION

Muthayammal Engineering College is Located at Rasipuram 25km from Salem and Namakkal, Tamilnadu. Muthayammal Educational Trust and Research Foundation, the Pride of Namakkal, runs the Institutions effectively since 2000. The Congenial and Enhancing Environment of the Institutions is elevated as the epitome of education under the able guidance and patronage of Shri.R. Kandasamy, Chairman and Dr. K. Gunasekaran, M.E., Ph.D, Secretary & Managing Trustee, Muthayammal Educational Trust and Research Foundation. Muthayammal Engineering College has been granted Autonomous Status by University Grants Commission (UGC) with effect from the Academic year 2016-17. The Institution is accredited by NAAC .

AICTE IDEALAB
(AICTE/IDC/IDEA202000186/21)
VISION

- To impart high-quality Engineering Education in multidisciplinary with an emphasis on a practically oriented learning
- To create a state of Art Laboratory that ultimately allows the students to experience the wonder of Engineering through interactive practical sessions
- To accelerate the development of indigenous products to promote the Make in India slogan
- To bridge the gap between concept, product development and commercialization
- IDEA Lab as a physical and virtual environment for generating, developing and commercializing innovative students' ideas through relevant trainings, mentoring and technology put at their disposal

CHIEF PATRON
Shri.R.Kandasamy
Chairman
Muthayammal Engineering College

PATRON
Dr.K.Gunasekaran
Secretary & Managing Trustee
Muthayammal Engineering College

CHAIR
Dr.M.Madheswaran
Principal

COORDINATOR
Dr.P.Suresh, Professor/ Mechanical Engg.
Coordinator, AICTE IdeaLab
Muthayammal Engineering College

CO-COORDINATOR
Dr.T.Aravind
Assistant Professor/CSE

ORGANISING COMMITTEE
Dr. R.Raja, ASP /EEE
Dr. M.Soundarrajan, AP/Mech
Prof. S.Saranraj, AP/EEE
Prof. S.Bhoopalan, AP/ECE

CONTACT DETAILS
Dr.P.SURESH, Professor/ Mechanical Engg.
Muthayammal Engineering College (Autonomous), Rasipuram-637408, Namakkal, Tamilnadu, India
Mobile No.: +91 9994733793
Email ID: coe@mec.edu.in

VENUE: SEMINAR HALL

AICTE Training and Learning (ATAL) Academy

Faculty Development Programme on

Design Thinking for Prototype Development with 3D Printing: From Ideation to Production

Thrust area: 3D Printing

27.11.2023 to 02.12.2023

Sponsored by
All India Council for Technical Education(AICTE), New Delhi

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AICTE IDEALab
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MUTHAYAMMAL ENGINEERING COLLEGE
(**An Autonomous Institution, Approved by AICTE, Accredited by NAAC & NBA, Affiliated to Anna University**)
Rasipuram–637408, Namakkal District, Tamilnadu

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REGISTRATION FORM

1. Name   :

2. Designation :

3. Department :

4. Name of the Institution:

5. Address   :

   E-mail:

   Mobile No. :

6. Academic Qualification:

7. Experience   :

            Signature of the Participant

            Head of the Institution

About the FDP:

Faculty Development Programme (FDP) on "Design Thinking for Prototype Development with 3D Printing: From Ideation to Production" is designed to provide educators and professionals with a comprehensive understanding of the design thinking process and how it can be integrated with 3D printing technologies to create prototypes from concept to production. This FDP aims to equip participants with the knowledge, skills, and practical experience necessary to leverage design thinking principles and 3D printing techniques for innovative and efficient prototype development.

Objectives:

- Introduction to Design Thinking and
- Understanding the 3D Printing Process
- Integration of Design Thinking and 3D Printing
- Empathetic User-Centered Design
- Creative Ideation and Concept Generation
- Optimizing Designs for 3D Printing
- Hands-On Experience with 3D Printing
- Iterative Prototyping and User Testing
- Translating Prototypes to Production
- Ethical and Sustainability Considerations
- Collaborative and Interdisciplinary Approach
- Case Studies and Best Practices
- Educational Integration and Curriculum Development

FDP Topics:

- Introduction to Design Thinking and 3D Printing
- Empathize, Define, and Ideate: User-Centered Design
- Crafting Clear Problem Statements for Prototyping
- Design for 3D Printing: From Ideas to Concepts
- Hands-On : 3D Printing Basics and Operation
- Prototype and Test: Iterative Development
- Hands-On : Creating Prototype Designs for 3D Printing
- Transition to Production and Ethical Considerations
- Integration and Applications
- Advancing Design Thinking and 3D Printing Initiatives

Important Dates:

- **Last date for Registration : 15.11.2023**
- **Date of Intimation   : 20.11.2023**

Targeted Audience:

Assistant Professors/ Associate Professors/ Professors/ Ph.D. Scholar's/ PG Students