

Patrons

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2. Dr. Ch. Devender Reddy, Secretary & Correspondent, JITS
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4. Dr. V. Janaki, Principal, JITS

Coordinator

Hameed Pasha Mohammad,
AICTE Sponsored Idea Lab Coordinator,
& HoD ECE

Co-coordinator

Dr. S. Sandhya Rani
Professor of ECE

Organizing committee

1. Dr. Shaik Mastan, Professor of ECE
2. Dr. Ghanshyam Singh, Professor of ECE
3. Dr. M. Mahesh, Professor of ECE
4. Mr. N. Sukumar, Asst. Professor, Dept. of ECE
5. Mr. M. Sridhar, Asst. Professor, Dept. of ECE
6. Mr. S. Kalyan, Asst. Professor, Dept. of ECE
7. Mr. J. Ramana, Asst. Professor, Dept. of ECE
8. Mrs. M. Usha Rani, Asst. Professor, Dept. of ECE
9. Mrs. D. Supriya, Asst. Professor, Dept. of ECE
10. Mrs. S. Gouthami, Asst. Professor, Dept. of ECE
11. Mr. T. Kartek, Asst. Professor, Dept. of ECE
12. Mrs. J. Radhika, Asst. Professor, Dept. of ECE

AICTE SPONSORED IDEA LAB



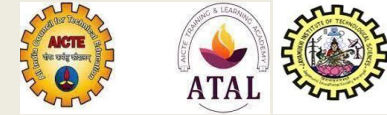
ABOUT the INSTITUTION

Sponsored by the Jayamukhi Educational Society, the Jayamukhi Institute of Technological Sciences came into being in 2001 to provide quality and contemporary education with social relevance in the engineering faculty with an ultimate vision to maintain global standards in higher learning and research. The Institute has the approval of AICTE and is recognized by the Government of Telangana. It is permanently affiliated to Jawaharlal Nehru Technological University (JNTU), Hyderabad, UGC Autonomous & accredited by NAAC 'A' grade. The Institute has come upon 40 acres of green pastures in Narsampet, about 30km away from the historic city of Warangal and presents a picturesque and panoramic view. JITS offers a four-year B.Tech. Programme in the disciplines of CSE, CSE- AI& ML, CSE-DS, CSIT, ECE, EEE, CIVIL and MECH.

Two year M.Tech program in Embedded Systems, VLSI Design, CSE, SE, PSCA and CAD/CAM. Received Grant of Rs.1.50 Crores from the various funding agencies (AICTE/UGC/DST)

AICTE has sanctioned IDEA Lab in the year 2020 with 69.13 Lakhs grant in aid.

AICTE Training and Learning (ATAL) Academy sponsored



6 Days

Faculty Development Program (FDP) on

Additive Manufacturing: 3D Printing Technology

During

20th - 25th November 2023

Coordinator

Hameed Pasha Mohammad,
HoD ECE

&

AICTE Sponsored
Idea Lab Coordinator (IDEA202000405)

Co-coordinator

Dr. S. Sandhya Rani
Professor of ECE



Organized by

Jayamukhi Institute of Technological Sciences,
Narsampet, Warangal, Telangana, India-506332
www.jayamukhi.ac.in

ABOUT ATAL ACADEMY

All India Council for Technical Education (AICTE) through its newly established AICTE Training And Learning (ATAL) Academy have started unique faculty development programs in various thrust areas of modern technology. 200 such programs have already been conducted in various government institutions benefiting around 10,000 faculties, research scholars & PG students during the FY 19-20.

OBJECTIVE OF FDP

Manufacturing concepts and Manufacturing processes have been rapidly changing and completely being redefined in the last decade. Industry 4.0, digitalization and IoT are at the core of next generation manufacturing technologies. Additive Manufacturing, considered to be one of the cornerstones of next generation digital manufacturing, is replacing/will replace some of the traditional manufacturing methods in several industries not only in our country but also globally. Digital transformation of manufacturing industries, it is critical that scientific research and R&D studies on Additive Manufacturing technologies need to be shared on a common platform where

Scientific community and researchers from industry come together. This FDP will give excellent academic forum for sharing knowledge and results in theory, design, methodology and applications of additive manufacturing in different disciplines of engineering as Mechanical, Metallurgy, Material Science, Biotechnology, Biomedical, Architecture etc.

COURSE CONTENTS

- Basics of 3D Printing and its applications Types of 3D printing and materials for 3D printing (additive Manufacturing process) Design tools for 3D printing
- Software tools or CAD tools for 3D printing
- Process Planning and Post-Processing operation for 3D printing
- Product quality control of 3D printing Advances in Additive manufacturing
- 3D Printing Process: Polymer, Ceramic, and metal printing
- Selection of materials for 3D printing

ELIGIBILITY

Faculty members of the AICTE approved institutions, Research scholars, PG Scholars, participants from Government, Industry and staff of host institutions are eligible to apply for the FDP. A maximum of 50 participants are allowed to apply from Institutions/Industry.

HOW TO APPLY

The applicants should register at AICTE-ATAL web portal at the earliest.

<https://atalacademy.aicte-india.org/signup>

RESOURCE PERSONS

Sessions will be handled by eminent persons from reputed Institutions/Industries

CONTACT DETAILS

For any queries regarding this programme,

Please contact:

**The Coordinators ATAL FDP
Department of Electronics and
Communication Engineering,
Jayamukhi Institute of Technological**

Sciences,

Narsampet, Warangal Rural -506332,
Telangana, India.

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JAYAMUKHI INSTITUTE OF TECHNOLOGICAL SCIENCES
(UGC Autonomous and NAAC A Grade Institution)



ATAL Sponsored One Week Faculty Development Program on

ADDITIVE MANUFACTURING - 3D PRINTING TECHNOLOGY
(20th – 25th November 2023)

Organized by

Department of Electronics and Communication Engineering & AICTE IDEA Lab

DAY/TIME	20.11.2023 Day 1	21.11.2023 Day 2	22.11.2023 Day 3	23.11.2023 Day4	24.11.2023 Day 5	25.11.2023 Day 6
9:30AM-10:30AM	Inauguration					
10:30AM -12:30PM	Session 1	Session 3	Session 5	Session 7	Session 9	Session 11
12:30PM-1:30PM	Article discussion	Article discussion	Article discussion	Article discussion	Article discussion	Article discussion
1:30PM – 2:00PM	Lunch	Lunch	Lunch	Lunch	Lunch	Lunch
2:00PM-4:30PM	Session 2	Session 4	Session 6	Session 8	Session 10	MCQ, Feedback and Interactions
4:30PM-5:30PM	Practical At IDEA Lab	Practical At IDEA Lab	Practical At IDEA Lab	Practical At IDEA Lab	Practical At IDEA Lab	Valedictory Session

Venue: Block B, JITS CAMPUS Theoretical Sessions

Block A, JITS AICTE-IDEA Lab for Practical Sessions (3D Printing Technology)

Note: Sessions are finalized with the resource persons well in advance 15 days before commencement of FDP

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Dr.S.Sandhya Rani
Professor of ECE

Coordinator
Dr.Hameed Pasha Mohammad
Head of the department, ECE

Principal
Dr. V. Janaki