



# ANNAMACHARYA

## INSTITUTE OF TECHNOLOGY & SCIENCES

An Autonomous Institution, New Boyanapalli, Rajampet – 516126

Approved by AICTE, New Delhi. Affiliated to JNTUA.

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Recognized by UGC, New Delhi under sections 2(f) & 12(B) as per UGC act 1956

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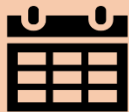
## Department of Mechanical Engineering

One Week Online National Level

### “FACULTY DEVELOPMENT PROGRAMME”

On

## “Advanced Technologies for Emerging Research in Mechanical Engineering”



05/12/2022 to 09/12/2022



**NO REGISTRATION FEE**



**E-Certificate for all active participants**



<https://forms.gle/2LufZsLLoaWykqpf8>

**Chief Patrons** : Sri. Dr. C. Gangi Reddy, Hon'.Secretary, *Annamacharya Educational Trust.*  
Sri. Dr. C. Ramachandra Reddy, Chairman, *Annamacharya Educational Trust.*  
Sri. C. Yella Reddy, Vice Chairman, *Annamacharya Educational Trust.*  
Sri. C. Abhishek Reddy, Executive Director, *Annamacharya Educational Trust.*

**Patron** : Dr. S.M.V. Narayana, *Principal, AITS, Rajampet*

**Convener** : Dr. A Hemantha Kumar, *Prof. & Head, Dept. of ME*

**Coordinators** : Dr. B. Devaraj Naik, Mr. G Suresh Babu, Mr. C. Ramanjaneyulu & K. Ajay Kumar Reddy



Day 1: 05/12/2022

Time: 10:00 AM to 12:00 PM

- **Dr. N Sivarami Reddy, Professor, AITS, Rajamapet**
- *Nature inspired algorithms and their applications in scheduling of FMS with constraints on Tools, Transfer times and AGVs.*



Day 1: 05/12/2022

Time: 02:00 PM to 04:00 PM

- **Dr. Pinkymol K.P, Assistant Professor, NIT, Tiruchirapalli**
- *Electric Vehicle Components & Architectures*



Day 2: 06/12/2022

Time: 02:00 PM to 04:00 PM

- **Dr. P Kaushik, Assistant Professor, NIT, Tiruchirapalli**
- *Essentials of CFD required for CFD software*



Day 3: 07/12/2022

Time: 02:00 PM to 04:00 PM

- **Dr. S. Vedharaj, Assistant Professor, NIT, Tiruchirapalli**
- *Introduction to Combustion Simulation with CONVERGE software*



Day 4: 08/12/2022

Time: 02:00 PM to 04:00 PM

- **Dr. Karthik Babu N.B, Assistant Professor, Assam Energy Institute, Sivasagar, Assam.**
- *Advances in 3D printing of polymers and composites*



Day 5: 09/12/2022

Time: 10:00 AM to 12:00 PM

- **Dr. Jagadeesh M S, Sr. Assistant Professor, VIT-AP University**
- *Introduction to programming in Python: An interdisciplinary Research approach*



Day 5: 09/12/2022

Time: 02:00 PM to 04:00 PM

- **Dr. G. Yogeswararao, Assistant Professor, AITAM Tekkali**
- *Machine learning for Mechanical Engineering*

## About AITS, Andhra Pradesh

Annamacharya Institute of Technology & Sciences, Rajampet is an AUTONOMOUS institution and is affiliated to JNTU, Anantapur. The institute was started in the year 1998 under the auspices of Annamacharya Educational Trust in picturesque surrounding on a spacious 30 acre campus near Tallapaka, the birth place of Annamacharya, the renowned saint poet. The Institute is well located on Hyderabad – Chennai Highway. Sri. C. Gangi Reddy garu, Hon' Secretary of Annamacharya Educational Trust. Since its inception the institution served thousands of students for their good and established career. Past three years the institution places a track record of 90 % of placements on average.

## About the Department of Mechanical Engineering

Department of Mechanical Engineering was started in the year 1998. The department has well qualified and experienced faculty members. The department is endowed with well-equipped labs which meets the standards specified by the Jawaharlal Nehru Technological University, Anantapur. In addition, the department maintains its own CAD Lab with 4 workstations and is the first college in Rayalseema affiliated to JNTU maintains a CNC trainer lathe and CNC milling. The department maintains its own library in addition to the institute central library.

## About FDP

This Faculty Development Programme (FDP) on “Advanced technologies for emerging research in mechanical engineering” aims to discuss recent advances in the areas of mechanical engineering streams and its related software tools. And also, each section will be delivered with suitable examples for better understanding the software's. Further, it provides a platform for young faculty, researchers and scholars to upgrade their knowledge of research and opportunity to interact with experienced researchers.

### Chief Patrons

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**Sri. Dr. C. Ramachandra Reddy**, Chairman, AET.

**Sri. C. Yella Reddy**, Vice Chairman, AET.

**Sri. C. Abhishek Reddy**, Executive Director, AET.

### Patron

**Dr. SMV Narayana**, Principal, AITS, Rajampet.

### Convener

**Dr. A. Hemantha Kumar**, Prof. & Head, Dept. of ME

### Coordinators

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### Advisory Committee

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Dr. B. Venkatesh, Associate Professor, Dept. of ME

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