

**Department  
of Mechanical  
Engineering**

# MECHAZINE

**VOLUME 3, ISSUE 1**

**31.10.2020**

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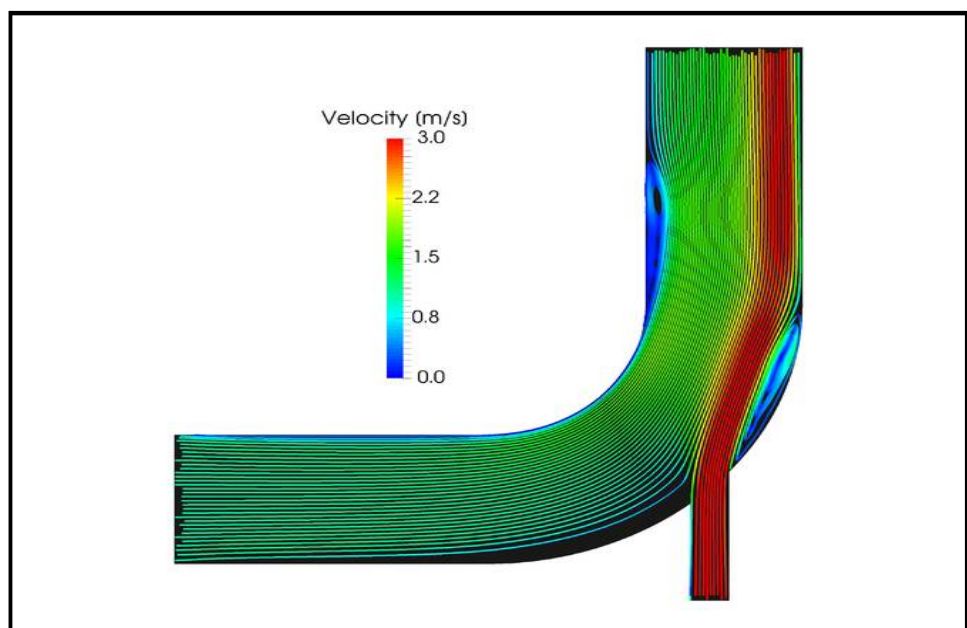
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2. A. Jeno Regish, Final Year, B. E. (Mechanical Engineering)
3. K. Krishnamouli, Final Year, B. E. (Mechanical Engineering)
4. M. Absar Aasik, Third Year, B. E. (Mechanical Engineering)

## OpenFOAM (CFD Command Line Software)

OpenFOAM is the free, open source CFD software developed primarily by OpenCFD Ltd since 2004. It has a large user base across most areas of engineering and science, from both commercial and academic organizations. OpenFOAM has an extensive range of features to solve anything from complex fluid flows involving chemical reactions, turbulence and heat transfer, to acoustics, solid mechanics and electromagnetic. OpenFOAM is professionally released every six months to include customer sponsored developments and contributions from the community. It is independently tested by ESI-OpenCFD's Application Specialists, Development Partners and selected customers, and supported by ESI's worldwide infrastructure, values and commitment. Quality assurance is based on rigorous testing. The process of code evaluation, verification and validation includes several hundred daily unit tests, a medium-sized test battery run on a weekly basis, and large industry-based test battery run prior to new version releases. Tests are designed to assess regression behavior, memory usage, code performance and scalability.

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## NBA PEER TEAM VISIT..

National Board of Accreditation (NBA) committee has visited to the Department of Mechanical Engineering on 13<sup>th</sup> to 15<sup>th</sup> December 2019 and has accredited B.E. (Mechanical Engineering) program for 3 years (2019-20 to 2021-22).



## Alumni Meet (1995 Batch)

1995 Batch alumni have visited to the Department of Mechanical Engineering on 06.02.2020. In that meet, Professors and Associate professors had interaction with the alumni.



## AUM to PET Series Lectures

Department of Mechanical Engineering has organized AUM to PET (Prized Erudite Themes) series of events on James Clayton Prize. Dr. Johney Merteus, Prof. of Mechanical Engineering, NIT, Puducherry has delivered the lecture on 17.02.2020. On 21.02.2020, Dr. V. Balasubramanian, Prof. and Head, Department of Manufacturing Engineering, Annamalai University has delivered a lecture on this series.



## MECH SPORTS - 2K20

Mechanical Engineering Association sports activity were conducted from 02.03.2020 to 06.03.2020. Dr. B. Sivaraman, Professor and Head, Department of Mechanical Engineering inaugurated the activities. Department Staff and students have participated in the **MECH SPORTS - 2K20**.



## Ph. D., Viva - Voce (Online)

108<sup>th</sup> Ph. D., Viva-Voce examination of the department was held on 30.07.2020 through online mode as per COVID-19 protocols. In that Viva-Voce, PG students, Research Scholars, Indian Examiner and Department Staff have attended through online.



## Student Level Achievement

Mr. S. Siva Sriram, B. E. (Mechanical Engineering) has participated in 2<sup>nd</sup> National Level Robofest organized by Sri Sai Ram Engineering College, Chennai and won 1<sup>st</sup> price in Snapbotix on 22.10.2020.





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## DEPARTMENT OF MECHANICAL

### WE'RE ON THE WEB

[HTTPS://WWW.ANNAMALAIUNIVERSITY.AC.IN/E09\\_INFO.PHP?DC=E09](https://www.annamalaiuniversity.ac.in/E09_info.php?DC=E09)

### VISION:

The Mechanical Engineering Department endeavors to be recognized globally for outstanding education and research leading to well-qualified engineers who are innovative, entrepreneurial and successful in advanced fields of Mechanical Engineering to cater to the ever changing industrial demands and social needs.

### MISSION:

1. Prepare the graduates to pursue life-long learning, serve the profession and meet the intellectual, ethical and career challenges.
2. Extend a vital, state-of-the-art infrastructure to the students and faculty with opportunities to create, interpret, apply and disseminate knowledge.
3. Develop the student community with wider knowledge in the emerging fields of Mechanical Engineering.
4. Provide set of skills, knowledge and attitude that will permit the graduates to succeed and thrive as engineers and leaders.
5. Create a conducive and supportive environment for all round of growth of the students, faculty and staff.

### PROGRAM EDUCATIONAL OBJECTIVES:

1. Prepare the graduates with a solid foundation in Engineering, Science and Technology for a successful career in Mechanical Engineering.
2. Train the students to solve problems in Mechanical Engineering and related areas by engineering analysis, computation and experimentation, including understanding basic mathematical and scientific principles.
3. Inculcate students with professional and ethical attitude, effective communication skills, team work skills and multidisciplinary approach.
4. Provide opportunity to the students to expand their horizon beyond mechanical engineering.
5. Develop the students to adapt to the rapidly changing environment in the areas of mechanical engineering and scale new heights in their profession through lifelong learning.

## Online Webinars

1. On 31.07.2020 Department of Mechanical Engineering has organized an online webinar on “**Thermal Behavior of Metals**”. The speakers of the webinar were Dr. S. Manikandan and Dr. S. Saravanan. In that webinar about 80 students, research scholars have attended and interacted with the speakers.
2. A live webinar on PCM based Thermal Management in Building Applications was organized on 09.08.2020. Dr. R. Velraj, Professor, Department of Mechanical Engineering, Anna University, Chennai has delivered the lecture. More than 180 participants have attended the webinar.