



MECHAZINE

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Department of
Mechanical
Engineering

Editor:

**The Head,
Department of
Mechanical Engineering**

Team Members:

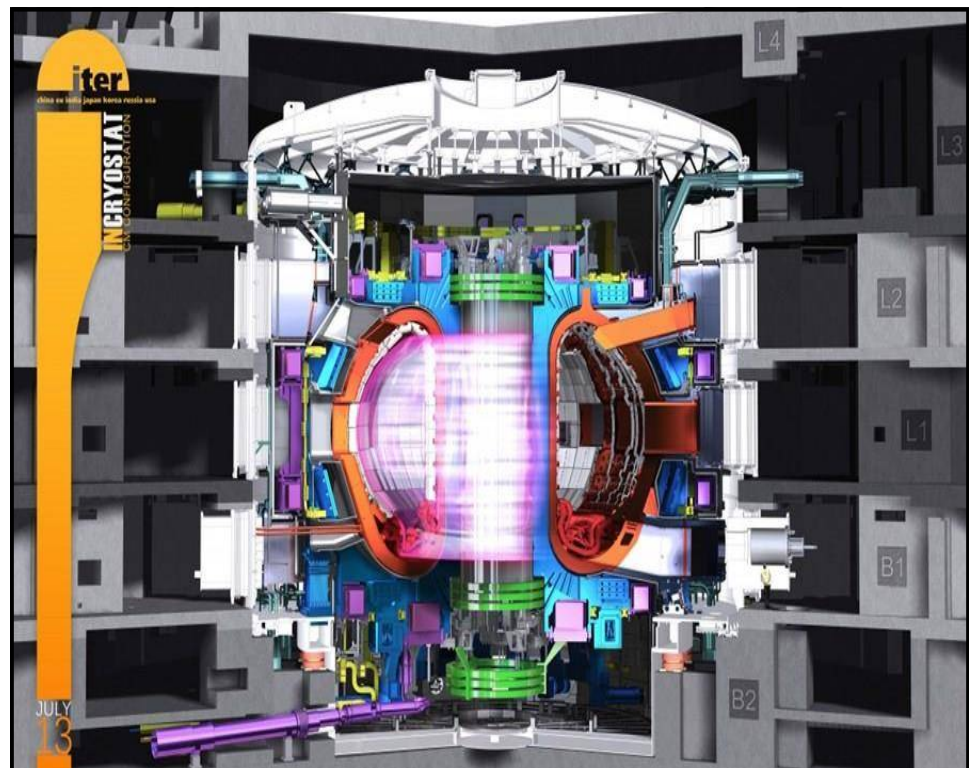
1. K. Kumararaja, Research Scholar, Ph. D., (Mechanical Engineering)
2. A. Jeno Regish, Final Year, B. E. (Mechanical Engineering)
3. K. Krishnamouli, Final Year, B. E. (Mechanical Engineering)
4. M. Absar Aasik, Third Year, B. E. (Mechanical Engineering)

International Thermonuclear Experimental Reactor (ITER)

ITER (international thermonuclear experimental reactor) a most ambitious projects of 35 nations including India in southern France to build the largest tokamak, a magnetic fusion device that has been designed to prove feasibility of fusion as a large scale and carbon free sources of energy based on the principle that powers our sun and stars (nuclear fusion). This device uses deuterium and tritium (a hydrogen isotope) as a fuel or reactant to achieve nuclear fusion. The energy produced from this fusion reaction is absorbed as heat in the walls of the tokamak. Just like a conventional power plant a fusion power plant will use the heat to produce steam and then electricity by way of turbines and generators. This on-going project was proposed in 1985 which was commenced by creating ITER organization by 2007 and aiming to begin its operation by 2035. By 2050s we could have the first operational nuclear fusion power plant.

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PhD Viva-Voce (Online)

109th and 110th PhD Viva-Voce examination of the department was held on 05.03.2021 and 08.03.2021 through online as per standard COVID-19 protocols. In that Viva-Voce's, PG students, Research Scholars, Indian Examiners and Department Staff have attended through online.



AU-KU MoU Signed

On 09.04.2021 Faculty of Engineering and Technology (FEAT) , Annamalai University (AU) signed MoU with Kumamoto University (KU) , Japan for academic exchange in various educations and research fields.



Memorandum of Understanding



**Annamalai University,
Annamalai Nagar, Tamilnadu
India-608002**

and



**Faculty of Advanced Science
and Technology,**

Kumamoto University,

**2-39-1 Kurokami, Chuo-ku,
Kumamoto 860-8555, Japan**

Department of Mechanical Engineering

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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.

Students Activity

1. Mr. AB. Mohamed Hasan, B. E. (Mechanical Engineering) has participated in a National Level Virtual Mode Technical Symposium in Geethanjali Institute of Science & Technology, SPSR Nellore, AP, India and won a 1st price in poster presentation on 28.06.2021.
2. Mr. A. Elango of B. E. (Mechanical Engineering) final year B batch has sketched the portrait picture of NIKOLA TESLA for the magazine.
3. Mr. R. MOTHILAL of B. E. (Mechanical Engineering) final year A batch has drawn a pencil sketch for the magazine.

 **GEETHANJALI INSTITUTE OF SCIENCE & TECHNOLOGY**
(Approved by AICTE, New Delhi & Affiliated to JNTUA, Anantapur)
Gangavaram (V), Kovur(M), SPSR Nellore (Dt), AP, India- 524137, www.gist.edu.in

 **GIST MECHFEST-2K21**

A National Level Virtual Mode Technical Symposium

Certificate

This is to certify that Mr. / Ms. **AR.MOHAMED HASAN**

of **ANNAMALAI UNIVERSITY FACULTY OF ENGINEERING AND TECHNOLOGY** has participated in the event **POSTER PRESENTATION** Organized by the Department of Mechanical Engineering in association with Institute of Engineers (I) student chapter held on 28th June 2021 and won **"FIRST"** Prize.

 **Mr. K.R. Sreedhar**
Co-ordinator

 **Dr. T. Sunil Kumar**
Convener & Head

 **Dr. C. Subba Rao**
Principal

1)

