

Department of Mechanical Engineering Dr. T. THIMMAIAH INSTITUTE OF TECHNOLOGY

MECHNEWS 2020-21

PRESIDENT MESSAGE

It is indeed a proud moment that the Mechanical Department has initiated to bring out its Sixth edition of “MechNEWS”. When the world is witnessing the deadly Covid-19 pandemic, timing of the newsletter becomes increasingly important. The students also are facing the challenge of the new normal of “Online teaching and learning mode” of education. I wish this newsletter to continue and attain the heights of excellence. My best wishes to everyone associated with this newsletter, and special thanks to the editorial team.

FROM PRINCIPAL DESK

It gives me immense joy to share that “MechNEWS” is doing very well. I appreciate the hard work of all students, faculty and wholeheartedly thank them for presenting the Sixth edition of Newsletter in a very informative and attractive way. This Newsletter consists of various articles on current trends meticulously curated by our editorial team. We hope it will inspire you and enrich you with practical knowledge in the field of Mechanical Engg. Once again, deepest gratitude to everyone for making the newsletter a great source of learning.

AT A GLIMPSE

MoU

Webinar / FDP Attended

E-Quiz & Webinar Conducted

Publications

Department Toppers

PATRONS

Dr. T Venkat Vardhan
President, GVET

Sri. Raoul Kengal Vardhan
Vice President, GVET

Dr. Syed Ariff
Principal, Dr. TTIT

CHIEF EDITOR

Dr. Sudersanan P D
Professor & HOD

EDITORIAL BOARD

Mr. Mohan Kumar K
Associate Professor

Mr. Manjunatha Babu N S
Associate Professor

TOPPER OF THE BATCH



Mathew Susil
(1GV18ME408)

ABOUT THE DEPARTMENT

Apart from the UG program, we have a PG program with an intake of 18 students in Machine Design. Recently a lab was setup for PG students to get good exposure to various software's related to specialization and to carry out project work. The department has signed an MOU with CADD Centre and established an in-house training centre exclusively for our students. The department has obtained permission to continue its research centre under Visvesvaraya Technological University. Many of our faculty members are engaged in research through this research centre. We have a very cordial faculty student engagement in the department and this helps in the overall development of the student's progress. The third edition of MechNews gives us a glimpse of our activities for this academic year.

VISION OF THE DEPARTMENT

To transform the students into technically competent Mechanical Engineers nurturing them in learning sustainable and innovative technology with professional ethics and social concern.

MISSION OF THE DEPARTMENT

- M1 - Striving to empower students with fundamentals in the field of Mechanical Engineering with innovative, managerial and professional skills.
- M2 - To create an environment for progressive learning through industry institute partnership.

- M3 - Imparting quality technical education stressing on new technology with professional ethics for the benefit of the society.

PROGRAM EDUCATIONAL OBJECTIVES (PEO)

- PEO-1 Graduates will have successful professional careers in the Industry, adapting to evolving needs with their sound fundamental in science and engineering practice.
- PEO-2 Graduates will engage in higher studies and professional development demonstrating innovation and research capabilities in solving real world problems while being aware of the societal impact.
- PEO-3 Graduates will exhibit leadership, professional ethics, effective communication skills, teamwork and a commitment to lifelong learning.

PROGRAM SPECIFIC OBJECTIVES (PSO)

- PSO-1 Design and develop components or systems in the field of Mechanical Engineering.
- PSO-2 Apply modern hardware and software technologies to perform structural and thermal analysis.

MEMORANDUM OF UNDERSTANDING (MoU)

A MoU was signed between M/s. Aquamenz Automation Pvt Ltd Bangalore and Department of Mechanical Engineering - Dr. TTIT on 23th Oct 2020

WEBINAR / FDP ATTENDED

- Mr. Pruthvi H M Attended Six Days Webinar/FDP on “Application of optimization techniques in mechanical engineering research” from 7th to 11th August 2020 Conducted by Vitarka projects
- Mr. Mohan Kumar K Attended Five Days Webinar/FDP on “Advanced nano materials, nano fabrication techniques and devices” from 10th to 14th August 2020 Conducted by BMSIT, Bangalore.
- Mr. Anand G attended One Week Webinar/FDP on “Basic Concepts in Turbo-Machinery and its Applications” from 24th to 28th August 2020 conducted by NIE, Mysuru.
- Mr. Manjunatha Babu N S attended Five days Webinar/FDP on “Materials processing & characterization: Current Perspectives” on 31st August to 4th Sep 2020 Conducted by BIT, Bangalore.
- Mr. Mohan Kumar K attended Five days Webinar/FDP on “Researches in surface engineering for reliable tribology” from 1st to 5th September 2020 Conducted by Girijananda Chowdhury Institute of Management & Technology.

E-QUIZ AND WEBINAR CONDUCTED










- E-Quiz on “Material Science” by Mr. Pruthvi H. M, Asst. Prof. on 03rd Aug 2020.
- E-Quiz on “Fluid Mechanics” by Dr. P. D Sudersanan Professor, Mr. Dileep & Mr. Balu N. S Asst. Prof., on 18th Aug 2020.

- A webinar on “The Futures of Engineers” by Anil Kumar GS, General Manager - Prestige TTK Pvt Ltd on 07th Nov 2020.
- A webinar on “The Top 10 Jobs Skills of Tomorrow” by Mohan Shamanna, Chief Executive Officer, Aquamenz Automation Pvt Ltd on 07th Dec 2020.

PUBLICATIONS

- Mr. Mohan Kumar K. Associate Prof., Mr. Manjunatha Babu N.S. Associate Prof and Vasanth Kumar, PG student, published a paper on “Optimized design and static analysis of robotic arm end effectors” in Journal of Seybold Report, Volume 15, Issue 9, September 2020.
- Dr. H.G. Shenoy, HOD presented a paper on “Experimental Investigation of Aluminum 7075 alloy re in forced with alumina and e-glass” in National Conference on Emerging trends, simulation and manufacturing-key components making India initiative conducted by MSRIT Bangalore, 23th to 24th November 2020.
- Mr. Manjunatha Babu N.S. Associate Prof. published a paper on “Drill hole surface characterization of hybrid FRP laminates through statistical analysis”, Australian journal of mechanical engineering, December 2020.

DEPARTMENT TOPPERS

2020 - 21	FIRST PLACE	SECOND PLACE	THIRD PLACE
SECOND YEAR	 Ajay Kumar K (1GV19ME001)	 Swetha G (1GV20ME413)	 Madhu K (1GV20ME402)
THIRD YEAR	 Karthikeyan V (1GV19ME415)	 Rama K (1GV19ME424)	 Lakshmana K (1GV19ME417)
FINAL YEAR	 Mathew Susil (1GV18ME408)	 H Pradyumna (1GV17ME013)	 Surekha P (1GV17ME028)