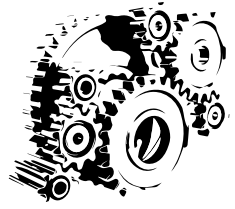




NEWS LINKS



AUGUST 2019
Volume1|Issue 2

A Bi-annual E-newsletter of the Dept. of Mechanical and Manufacturing Engineering
Manipal Institute of Technology, Manipal Academy of Higher Education, Manipal

MESSAGE FROM HEAD OF THE DEPARTMENT



Season's greetings to all and best wishes for the new academic year. I am delighted to present to you the current issue of "Newslinks" the E- newsletter of the Dept. of Mechanical & Mfg. Engg. highlighting the achievements and happenings of the department from January to June, 2019. On this occasion I am happy to inform you that the B. Tech. - Mechanical Engg. program of the department has received 3 year extension of accreditation from the National Board of Accreditation (NBA). My sincere appreciation and gratitude to all the faculty members, students and alumni who have toiled to achieve this feat and look forward to their continual support in all our future endeavours. Wishing all the students and faculty members a fruitful semester ahead

- Dr. S.S. SHARMA

DEPARTMENT NEWS

- B. Tech.- Mechanical Engg. program of the department has received 3 year extension of accreditation (2019-2022) from the National Board of Accreditation (NBA).
- Mr. S.C. Vishwakarma, G.M. (Excavation) Central Coalfield Ltd., Ranchi, alumnus & adjunct faculty of the department delivered a talk on "Tribology for Engineers" for M.Tech. students and "Industrial Hydraulics" for B.Tech. students on 8th February, 2019.

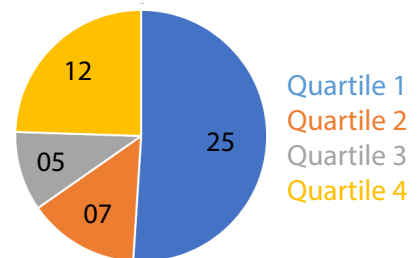


- Department has setup a new lab titled "Tribology & Vibrations Lab" for M.Tech. - Tribology & Maintenance program. The lab has state of the art setups like Extreme Pressure & Lubricity Tester and Journal Bearings Tester Equipments.
- Dr. S. Divakara Shetty, Professor, retired on 28th February 2019 after serving the department for more than 32 years. He was the Head of the Department from February 2011 to February 2016. He has published many papers in international journals and conferences and has guided two Ph D students. He has also served as the MIT Workshop Superintendent and in charge of MIT Cafeteria.



FACULTY ACHIEVEMENTS

- 44 faculty members have published 49 research papers in various Web of Science/Scopus indexed journals and 05 faculty members have presented papers in various international conferences held from January to June, 2019.



Quartile Distribution Of Journal Publications

- 08 faculty members of the department have applied for funded projects amounting to Rs. 4.95 crores with various government and research organizations.
- 11 faculty members of the department are serving as reviewers of indexed international journals and 04 faculty members have served as reviewers of conference articles from January to June, 2019.
- 06 faculty members have served as external technical advisory committee members for national/international conferences held at various places from January to June, 2019
- Dr. Manjaiah M, has authored a chapter titled "4D Printing" for the book "Materials Forming, Machining & Post Processing" published by Springer International Publishing. ISBN: 978-3-030-18854-2.
- Dr. S. S. Sharma, Dr. Achutha U. Kini and Dr. N. S. Mohan chaired a session for the "International Conference on Computational Methods, Simulation and Optimization" held at Bangkok, during January 11-13, 2019.
- Dr. S. S. Sharma and Dr. Achutha U. Kini have served as Ph D examiners during the period January to June, 2019.

EDITORIAL BOARD

Mentor

Dr. D. Srikanth Rao

Chairman

Dr. S.S. Sharma

Editor in Chief

Mr. Augustine Barboza

Managing Editor

Dr. Shivaprakash Y.M.

Sub-Editors

1. Dr. Achutha Kini U.
2. Dr. Jayashree P.K.
3. Mr. Suhas Y. Nayak
4. Mr. Jonathan Monteiro
5. Mr. Dilifa Jossley Noronha
6. Mr. Kevin A. Mathias

Sub-Editors (Students)

7. Ms. Rashmi Samant
8. Mr. Prateek Kapoor
9. Mr. Abhishek Pal
10. Mr. Madhur Singh
11. Mr. L.R. Kavith

- Dr. Raghuvir Pai B. along with Dr. Ganesh Kamath and Dr. Abdul Khader were awarded the DST-JSPS International Bilateral Cooperation Grant (2019-2021) amounting to Rs. 7,51,000/- for research collaboration between Dept. of Mechanical & Mfg. Engineering, MIT Manipal and Dr. Masaaki Tamagawa, School of Life Sciences and Systems Engineering, Kyushu Institute of Technology, Japan. Under this project there will be reciprocal exchange visits by faculty and students of both universities to pursue research in biomechanics of carotid artery.

- Dr. Vasudeva Karanth K. chaired a session for the "International Conference on Sustainable Materials Processing and Manufacturing" held at South Africa, from 8th to 10th March, 2019.

- Dr. Dolfred Vijay Fernandes was the guest speaker for the FDP on "Advances and Applications of CFD" held at Govt. Engg. College, Palakkad on 25th March 2019.

- Dr. Manjaiah M. chaired a session for the "National Conference on Recent Advances in Mechanical Engineering and Technology" held at Yenepoya Institute of Technology, Mangalore on 29th April, 2019.

- Dr. Raghuvir Pai B. was one of the invited speakers on the recommendations of Dr. D. Srikanth Rao, Director, MIT for the "International Conference on the Future of Advanced Manufacturing" organized by Deakin-IIT Centre of Excellence in Advanced Materials and Manufacturing at IIT Madras Research Park. The conference was held on 15th March 2019 and was a part of the 25th year celebrations of Deakin University's foray into India in 1994.



- Dr. Manjaiah M. delivered a keynote address on "Additive Manufacturing" for the state level 3 day workshop held at Jyothi Institute of Technology, Bangalore on 8th April 2019.

- Dr. Manjaiah M delivered a research talk on "Metallic Additive Manufacturing" for the Advanced Manufacturing Workshop held at University of New Brunswick, Canada on 23rd May, 2019.

- Dr. Amit Kumar Haldar, Assistant Professor has been selected for one year post doctoral fellowship from Jan 2019 to Jan 2020 at National University of Ireland, Galway.

- Mr. Ritesh Ramakrishna Bhat has been conferred with "Outstanding Researcher in Industrial and Production Engg." award by World Research Council in association with RULA for his contribution towards "Lean Manufacturing in various Industries in India & Malaysia" in February, 2019.

PhD AWARDEES

- Mr. Madhwesh N., Assistant Professor - Selection Grade was awarded doctoral degree for his thesis titled "Numerical and Experimental Investigations on a Centrifugal Fan for Augmented Performance by Novel Redesign of Shroud and Hub Geometries" by MAHE, Manipal. The research work was carried out under the guidance of Dr. N. Yagnesh Sharma and Dr. K. Vasudeva Karanth.



- Mrs. Jayashree P.K., Assistant Professor- Selection Grade was awarded doctoral degree for her thesis titled "Investigation of TIG Welded Al6061-SiC Composite and Quality Improvement by Age Hardening" by MAHE, Manipal. The research work was carried out under the guidance of Dr. Raviraj Shetty and Dr. S.S. Sharma.

STUDENT ACHIEVEMENTS

- Mr. Rahul Nanda and Mr. Akshith Narayanan from 4th Semester Mechanical Engg. have presented a paper titled "Numerical investigation of heat transfer through a square heat exchanger with a twisted tape as a heat augmentation device", at International Conference on Advances in Mechanical Engineering and Nanotechnology (ICAMEN 2019) jointly organized by Manipal University, Jaipur and Universiti Malaysia Pahang, Malaysia, held at Jaipur from 8th to 9th March, 2019.

- Two M.Tech. students Mr. Kottresh Kurudimath of Computer Aided Design and Analysis and Ms. Anushree Ghosh Dastidar of Tribology and Maintenance program were awarded the Japan Student Services Organization (JASSO), Japanese Government scholarship to do a three month internship from May 2019 to July 2019 at Kyushu Institute of Technology, Japan. This internship was coordinated by Dr. Raghuvir Pai B. and Dr. Masaaki Tamagawa.





- Mr. Prateek Kapoor from 6th semester Mechanical Engg. & Mr. Atishay Jain from 6th semester IP Engg. jointly received 3rd prize with a reward of Rs. 10,000/- in "Innovation Challenge" event for their project "Ampoule Pop: A quick and safe nursing tool to crack open medical drug ampoules" organized by MAHE.

- Mr. Ayush Narad & Mr. Atishay Jain from 6th semester IP Engg. were adjudged as runners up with Rs. 15,000/- cash prize in "Provenance 2019"- MAHE Business Plan Competition event organized by MAHE for their project titled "Ecomie: Ecofriendly architectural bricks from waste plastic". They were selected for one year pre incubation with funding.



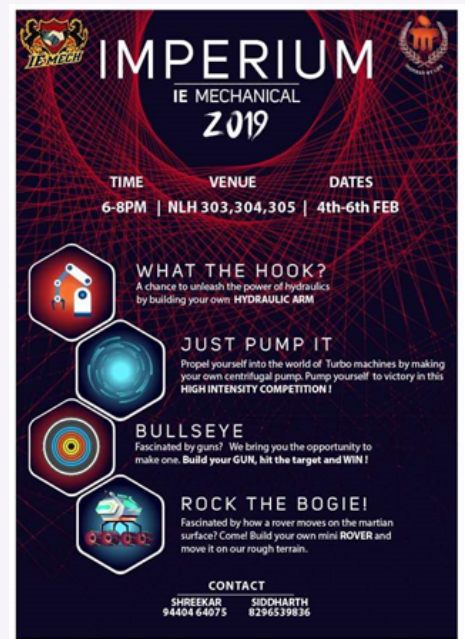
- Ms. Disha Biramane from 6th semester IP Engg. was adjudged as runners up in "Provenance 2019"- MAHE Business Plan Competition event organized by MAHE for her project titled Nova Electric- a electric scooter offering a solution for day to day commute in educational and corporate establishments with large campuses.

CLUB ACTIVITIES

IE MECHANICAL

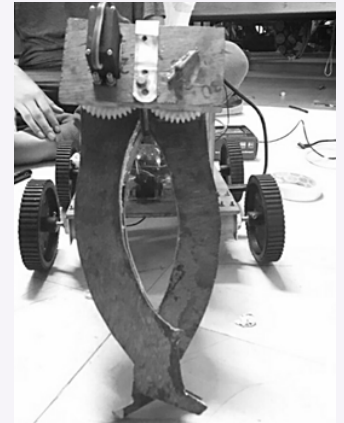


- Annual technical week – IMPERIUM - 2019 was held from 4th to 6th February, 2019, which included four events all pertaining to the knowledge and skills of mechanical engineering.



ASME

- Members of ASME Manipal participated in the E-Fest conducted at VIT, Vellore from 1st to 3rd February, 2019. The team was placed among the top 16 teams which included participants from the Asia Pacific region.



- Organized an Adobe Photoshop Workshop for the Managing and Working Committee members of the chapter on 27th January, 2019. The workshop was conducted by the Graphics Head of the club.



- Organized an Industrial Visit to around 60 students to MRPL, Mangalore on 19th January, 2019.



- ASME in collaboration with RnC and IE Mechatronics organized a tech week MINERVA 1.0 from 29th to 31st March, 2019. It comprised various technical events the prominent ones are Voice Controlled Robots using Arduino, Design challenge and a TRIVIA.

- Organized an Arduino Workshop for its members on 5th & 6th April, 2019.

- Organized a Hands on Pneumatics & Industrial Automation workshop under the guidance of Mr. Jamaluddin Hindi faculty, Dept. of Mech. & Mfg. Engg. for 2nd and 3rd year students on 10th & 11th April, 2019.

