YANTRA
NEWS BULLETIN

YENEPOYA INSTITUTE OF TECHNOLOGY

DEPARTMENT OF MECHANICAL ENGINEERING

2019- 2020 VOLUME III | ISSUE II

Department Vision:

To strive to impart outstanding education and training aspirants into qualified mechanical engineers who are equipped to serve the globally challenging diverse needs.

Department Mission:

- To support students with enriching education towards achieving the desired expertise in mechanical engineering.
- To maintain state of the art laboratory facilities so as to provide collaborative environment that inspires faculty and students with opportunities to design, analyze, apply and disseminate knowledge.
- To create opportunities and guide students in attaining carrier oriented skills in the field of mechanical engineering.
- To educate students about professional and ethical responsibilities and train them to build leadership and entrepreneurship qualities for their carrier development.

Editor's Desk

It is a matter of great pride and privilege for us being a part of college bi-annual Newsletter **"YANTRA 2019- 20 of Yenepoya Institute of Technology"** provides a platform for every student to develop their learning skills. The main thrust of the college has been to achieve human excellence to shape the personality of pupils through a host of extracurricular and co- curricular activities, and instilling in them the moral values.

Our budding talents have expressed their thoughts, ideas, hopes, feelings aspirants and convictions in a creative way. In fact, this is how they broaden their mental, psychological and intellectual horizons. Thus, the Newsletter reflects how the college has been able to live up to its aim, providing quality education to the students. As you scan through the pages, it will enlighten you with the important milestones that Y.I.T. had achieved this year. We heartily thank our Management for putting faith on me for this creative work, Principal Dr. R. G. D'Souza who guided us at every stage of making this Newsletter. My thanks are also to our H.O.D. and Student members for their co-operation and support and putting in their best in bringing out this issue of our department Newsletter.

Happy Reading...

Program Educational Objectives (P.E.O's)

The objectives of the program are

- Graduates will attain skills in Mechanical engineering in the universal disciplines of design, thermal and manufacturing engineering suitable for industry.
- Graduates will be able apply fundamental technical knowledge and skills so as to discover practical solutions to technological challenges and problems in various areas of Mechanical Engineering.
- Graduates will be trained practice Mechanical Engineering in a responsible, professional and ethical manner for the benefit of the engineering fraternity and society.

From the H.O.D.'s Desk

Dr. Sathisha N.
The H.O.D.
Mechanical Dept.

Mechanical Engineering is a versatile and evergreen branch of engineering. Mechanical engineer can work in various fields like automotive system, airspace engineering, design engineering, dynamic system and control, power plant engineering, etc. and most importantly in software field also.

Department has well qualified and dedicated faculty with well-developed laboratories. We impart quality engineering education through sound theoretical knowledge, hands on laboratory as well as computational skill and exposure to recent technologies by visiting industries & expert talk.

We provide opportunities for students to participate in various technical and sports events /competitions. This newsletter is an attempt to highlight the achievements of the department, in spite of the space constrain we have showcased the best and look forward to have more in the future on a quarterly editions.

I wish good luck to the entire team of editors and look forward for your kind patronage to our newsletter.

DEPARTMENTAL ACTIVITIES

- Organized 5 days FDP on "Research Tools and Techniques" In association with Indian Society for Technical Education.
- The program was inaugurated on 27th January 2020 by Dr. R. G. D'Souza, Principal, Y.I.T, Dr.Shreeranga Bhat, Professor St. Joseph Engineering College was the chief guest for the inaugural function
- First day of the FDP was dealt with "Design of Experiments", where Dr.Shreeranga Bhat was the resource person, Second day "Intelligent Optimization Algorithm" by Dr. S.R Karnik, Third day "Optimization Tools: Particle Sworn Optimization" by Dr. R.S Kadadevaramath and in the afternoon session "Literature Review to Problem Statement Formulation & Writing an Impacting Journal Paper" by Dr. R.G D'souza, Fourth day "Artificial Neural Network" by Dr. Srikanth Prabhu, Fifth day "Research skills" by Dr.Sreenivasa C.G .

- Organized two day online workshop on Geometric Dimensioning and Tolerancing hosted by CADMAXX SOLUTIONS on 25th MAY 2020.

FACULTY ACHIEVEMENTS

- **Dr. Satheesha N** attended Short Term course at IIIM Chennai.
- **Mr. Harikanth S** attended One day workshop on Welding for Maintenance at NMAMIT, Nitte.
- **Mr. G Sujay Kumar** attended Three days FDP on Recent Trends in EV Technology at SJEC, Vamanjoor.
- **Mr. Harikanth S** attended Three days TEQIP sponsored workshop on "Intelligent Optimization Techniques for Engineering Problems".
- **Mr. Ravindra Naik** attended Three days TEQIP sponsored workshop on "Intelligent Optimization Techniques for Engineering Problems".
- **Mr. Prasanna S R** published a research paper, "Experimental investigation of enhanced cooling performance with the use of hybrid nanofluid for automotive application" in IOP Conference series: Material Science and Engineering 872(2020).

FACULTY ACHIEVEMENTS

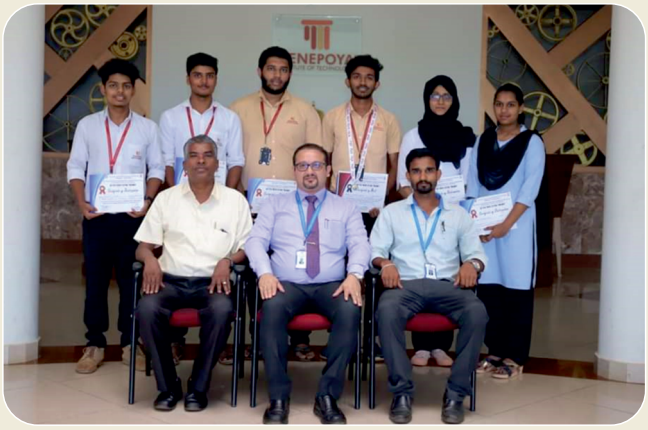
- **Anfas Mukram T** published a research paper on "Building bricks with PCM inserts for Passive cooling applications in IOP Conference Series: Earth and Environmental science
- **Anfas Mukram T** published a research paper on "Heat transfer analysis of building brick filled with microencapsulated phase change material" in AIP Conference Proceedings
- **Mr. G Sujaykumar** and **Mrs. Vani R** published a research paper on "Investigation of temperature on solar chimney efficiency" in AIP Conference Proceedings.
- **Dr. Ravindra Badiger** published a research paper on An investigation on effects of wire-EDT machining parameters on surface roughness of Inconel-718 in Materials Today Proceedings

PLACED STUDENTS

- **Jishnu Muralidharan:** Madhus Garage Equipments
- **Rakshith:** Bosch Automotive Electronics Pvt. Ltd.
- **Diganth Sinchan:** Uttara Infosolutions
- **K R Rohith:** Sp Global
- **Pranav Ravindran:** Sp Global

- We congratulate our YIT Weight Lifting Team who won prizes at VTU Inter Collegiate Weight Lifting Competition held at SSCE, Bangalore.
- **Mr. Nishantha** - Gold Medal (61 Kg)
- **Mr. Rakshith** – Gold Medal (73 Kg) 4
- **Mr. Raghavendra B K** – Silver Medal(55 Kg)
- **Mr. Ummar Kunhi** - Silver Medal (81 Kg)
- **Ms. Kathyani Anilnath Singh** - Silver Medal (49 Kg)
- **Mr. Ananda C H** - Bronze Medal(55 Kg)
- **Mr. Sai Prakash** - Bronze Medal (67 Kg)

STUDENTS ACHIEVEMENTS



- Congratulations to the participants of the 20th VTU Inter Collegiate Youth Festival '20th VTU UTSAV 2019-20' held from 6.11.2019 to 9.11.2019 at SDMCET Dharwad. The participants were
- Bilal M Zubair
- Diganth Sinchan
- Midhun George
- Hamza M.H

OTHER ACTIVITIES

- We celebrated **"Yen Onam"** in the month of September