



# YANTRA

## NEWSLETTER



### DEPARTMENT OF MECHANICAL ENGINEERING

2018 - 19

VOLUME II | 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 2018- 19 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



- ❖ The Department of Mechanical Engineering, Metallons organized one day workshop on "Metal joining Process", on 8th January 2019 in Association with METALOONS and MODTOS.



- ❖ The Department of Mechanical Engineering, Metallons organized one day industrial visit to Lamina Suspension Pvt.Ltd. Baikampady and GTTC Mangalore on 20th and 21st of February 2019



- ❖ The Department of Mechanical Engineering, Metallons Conducted a technical talk on, "Advanced Welding Technologies", by Mr. AbhayPai, Fronius India Private Limited, Bangalore on 19th March 2019.





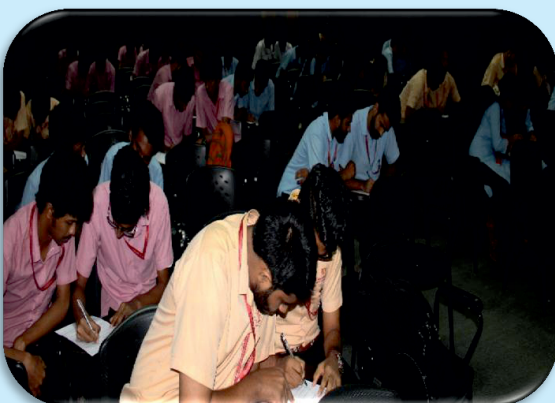
- ❖ The Department of Mechanical Engineering, Metallons Organized VISIONEST Centre for Advanced computing at YIT organized a 4 Day Microsoft Certification based workshop on Robotics during 1st April to 4th April.



- ❖ Metallons Organized MECHTRIX-18, a Quiz competition, on 11th April 2018.

## FACULTY ACHIEVEMENTS

- ❖ Mr. Sushilendra R M and Mrs. Vani R presented a paper, " Mechanical and wear charecterization of flyash / coconut shell ash and rice husk ash dispersed epoxy glass composites in National Conference on Mechanical Engineering and Emerging Technologies during 23rd and 24th February 2018 at Faculty Engineering, CHRIST(Deemed to be University), Bengaluru.
- ❖ Emerging Technologies during 23rd and 24th February 2018 at Faculty Engineering, CHRIST(Deemed to be University), Bengaluru.
- ❖ Mr. G Sujay Kumar presented a paper ," Performance Analysis and Emission study of CI Engine using Butanol, Biodiesel and diesel blends", in National Conference on Mechanical Engineering and Emerging Technologies during 23rd and 24th February 2018 at Faculty Engineering, CHRIST(Deemed to be University), Bengaluru.
- ❖ Mr. Sushilendra R M published a paper ," Fabrication and Mechanical Characterization of Glass Fiber reinforced epoxy hyrid composites using flyash / nanoclay / zinc oxide as the filler in IOP Conference series:Material Science and Engineering 376(2018).





## STUDENTS ACHIEVEMENTS

- ❖ Final Year project **Design and fabrication of effluent treatment plant** have been selected by Karnataka State Council for Science and technology under 42nd Series of Student project programme 2018-19. Participants are Kartik D Naik 8th sem, Umesha Acharya, Prajwal Naik, Manish from 8th sem
- ❖ Final Year project **Analysis of plastic recycling by extrusion method using Solar and Electrical heating system** have been selected by Karnataka State Council for Science and technology under 42nd Series of Student project programme 2018-19. Participants were Ankith Apporva R, Gratian Francis Cardoza, and A Santhosh Shetty from 8th sem.
- ❖ A Team of 15 members guided by **Prof. Sushilendra R M**, participated in the final round of ISIE-HVC - 2019 , held at Buddh International Circuit , Greater Noida during 3rd to 10th of February 2019.



## OTHER ACTIVITIES

- ❖ In association with Rotary Club Moodbidri, Road Safety awareness programme was organized by students of YENEPOYA INSTITUTE OF TECHNOLOGY at Mijar on 9th February,2019





## OTHER ACTIVITIES



Yenepoya Institute of Technology "Annual Athletic Meet 2018-19" at 18th March 2018.



Observed **Kite Festival** at YIT Campus on 23rd March 2019.

