



# YANTRA

## NEWSLETTER



### DEPARTMENT OF MECHANICAL ENGINEERING

2017 - 18

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#### 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 Newsletter **"YANTRA 2017-18, 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

- ❖ A Seminar on "Heating Ventilation and Air conditioning- Current Scenario and Future Trends" was organized on April 12, 2018. Mr. Nishan Abbas, Technical Director, SPECTRA Advanced Engineering & MEP was the resource person.
- ❖ Two day workshop on "Finite Element Analysis & Computational Fluid Dynamics" was conducted from 9th March 2018 to 10th March 2018. Mr Kiran S. Hubballi, Director Engineering. Fluid Mech Solutions Pvt Ltd, Bangalore and Mr. Shivanand Gudadinni, Project Manager, Fluid Mech Solutions Pvt Ltd Bangalore were the resource persons.



- ❖ A technical talk on "Constructive Innovation with new devices" was organized on 28th Feb. 2018 successfully at YIT, Mr. Pavavavjaneya , Director , Friends Vaneer and and Ply, Mangalore was the Resource Person.

## FACULTY ACHIEVEMENTS

- ❖ **Mr. Anfas Mukram** published a paper titled "Thermal analysis of PCM integrated building bloks for passive cooling application" in IOP Conference series: Materials science and engineering
- ❖ **Dr. Ravindra I Badiger** Published a paper titled "Microstructure and Mechanical properties of Inconel625 welded joint developed through microwave hybrid heating" IMechE Part B, Journal of Engg
- ❖ **Mr. Nagaraj Kinnal** published two papers "Experimental study on performance of diesel engine fuelled with different biodiesel" and CFD analysis of unmanned combat Ariel vehicle by varying angle of attack in IJASRE and IJIRAE.
- ❖ **Dr. Ravindra I Badiger** Published a paper titled Optimization of parameters influencing tensile strength of Inconel-625welede joints developed through microwave hybrid heating in Materials Today proceedings.



## STUDENTS ACHIEVEMENTS

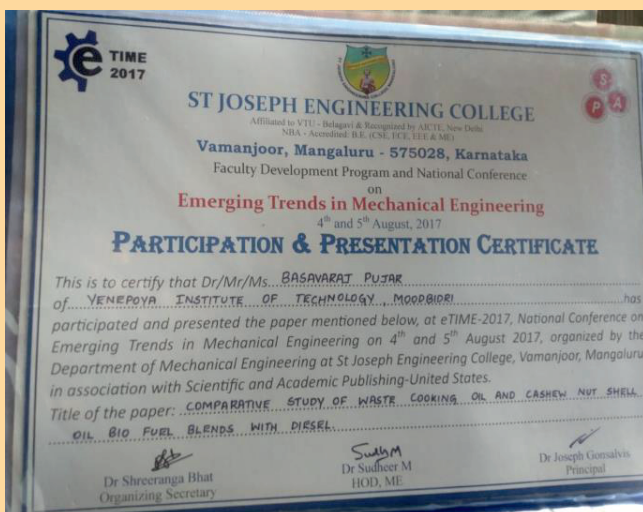


"Chiguru" - Collection of Poems (Kannada) written by our student.

**Mr. Basavaraj Pujar**, Final Year Mechanical Engineering, YIT, was been released by Dr. K. E. Prakash Ex-Registrar, VTU, and Yenepoya Board of Committee Members Mr. Farahad Yenepoya, Mr. Yenepoya Abdulla Javeed Mr. Moideen Khurshid, Dr. Shree Kumar Menon, Mr. Mohsin, Dr. R. G. D'Souza. HOD of respective branches were present on the event.

**Mr. Basavraj Pujar**, final year mechanical participated and presented paper in national conference organized at SJEC Vamanjoor

**Mr. Basavraj Pujar**, final year mechanical participated in paper presentation in the 14th state level ISTE student's annual convention and 5th national conference on Emerging Trends in Engg Research & Management at GMIT Davanegre.



## OTHER ACTIVITIES



One day industrial visit to TVS Motors was organized for VIII semester Mechanical students.



Mr. Basavraj Pujar, final year mechanical achievement certificates are shown.