



YANTRA

NEWSLETTER



DEPARTMENT OF MECHANICAL ENGINEERING

2018 - 19

VOLUME II | ISSUE I

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 **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...

Prof. Ravindra Naik,
Prof. Prasanna Shankara R.
Mechanical Dept.
"YANTRA 2018", Editors.

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, aerospace 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.

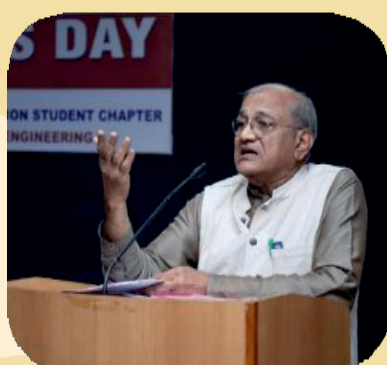
DEPARTMENTAL ACTIVITIES

- ❖ In association with mechanical Engineering Branch "Metaloons" Conducted an Awareness program on "Aerospace and defense", on 5th September 2018 by Prof.Ramesh Kumar and Mr.Debasiah Acharya, A&D Bengaluru.



- ❖ In association with mechanical Engineering Branch "Metaloons" Organized inaugural function of METALLONS, a mechanical Engineering Association on 7th September 2018.

- ❖ In association with mechanical Engineering Branch "Metaloons" and ISTE celebration of Engineers Day and Teacher's Day on the date of 16th Sept 2018. Chief Guest was Prof. Ramakrishna Chadaga, Professor and Dean AIET, Moodabidri. Dr R.G. D'Souza, Principal of YIT was the President of the function.



FACULTY ACHIEVEMENTS

- ❖ Sushilendra M attended the one day workshop on emerging trends in mechanical engineering. at SJEI, Mangalore.
- ❖ Mr. Sushilendra M Published the paper Effect of Silica Fume on Mechanical Properties of Flax Fiber Reinforced Epoxy Composites
- ❖ Mr. Prasanna Shankar and Mr. Nagaraj Kinnal have attended on day national workshop at AIET Mood bidri, on "Nano fluids and its application in heat transfer"
- ❖ Mrs. Vani R, Mrs. Sowjanya B, Mr. Sushilendra, Mr. Amith D Mr. Nagaraj K, Mr. Prasanna S, Mr. Harikanth, and Mr. Sujaykumar have attended FDP at YIT Moodbidri. On "Introduction to Autocad (Autodesk)"
- ❖ Mr. Sujaykumar, coordinate d on day workshop at YIT Moodbidri on "Internet Of Things"
- ❖ Prof Anfas Mukram T presented a paper , "Thermal Analysis of PCM integrated building blocks for passive cooling application", in Intenational Conference on Advances in Manufacturing materials and Energy Engineering during 2nd and 3rd March 2018 at MITE, Mangalore.
- ❖ 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).

PLACED STUDENTS

- ❖ **Sachin:**
PATHFRONT CONSULTING SERVICES LLP.
- ❖ **Sharath P.B.:**
PATHFRONT CONSULTING SERVICES LLP.
- ❖ **Sharath R U:**
PATHFRONT CONSULTING SERVICES LLP.
- ❖ **Nadir Abdul K:**
PATHFRONT CONSULTING SERVICES LLP.
- ❖ **Karthik Tantry B:** S.P GLOBAL
- ❖ **Gratian Francis Cardoza:** S.P. GLOBAL
- ❖ **Amal George:** S.P. GLOBAL
- ❖ **Chethan Ramesh Hugar:** S.P. GLOBAL
- ❖ **Ankith:** USHA AMOUR PVT. LTD.
- ❖ **Umesh Acharya:**
PATHFRONT CONSULTING SERVICES LLP.
- ❖ **Gokul:**
MADHUS GARAGE EQUIPMENTS PRIVATE LIMITED.

STUDENTS ACHIEVEMENTS

- ❖ A biomedical project "Emergency Patient Monitoring System", team of 3 members guided by Prof. G Sujaykumar, selected for final round in BIRAC IDEA EXPOSITION", held at NITK Surathkal., the participants are Mr. Rakshith, Mr. Raghavendra B K, Mr. Thejus D Jain.
- ❖ A project " AAPTHARAKSHAK Breathing Car", team of 2 members guided by Prof. G Sujaykumar, selected for prototype round in KPIT SPARKLE-18, a National level innovation and design contest, the participants were Mr. Rakshith, and Mr. Gururaj B S.
- ❖ Final Year project **Design and fabrication of Bumper using Sorbathane material** have been selected by Karnataka State Council for Science and technology under 42nd Series of Student project programme 2018- 19, the participants were Mr. Sharath Ramdas Udupa, Mr. Sharath Padmanabha Bhandary, Mr. Mohmad Razween Sulthan, and Mr. Darwin Ammannna

OTHER ACTIVITIES

- ❖ Graduation Day Celebrated at Yenepoya Institution of Technology, Moodbidri involved all the branches of Institution on the date of 13th Oct 2018. Chief Guest were Mr. Mustafa P. C.Co-Founder & CEO iD Fresh Food (India) Pvt. Ltd. Hnbl Mr. Yenepoya Abdulla Kunhi, Managing Director, Yenepoya Group and President: Dr. R. G. D'souza, Principal of YIT.



We celebrated "Yen Onam" in the month of September.



In association with all branches Yen Milan 2018 for alumines was organized with Mechanical H.O.D and the Principal on the date of 14th oct 2018.



We celebrated "Kannada Rajyotsava" in the month of November.