



YANTRA

Newsletter-2023-24, Vol VII, Issue I

Department of Mechanical Engineering

Accredited by NBA

YENEPOYA INSTITUTE OF TECHNOLOGY

Editor's Desk

It is a matter of great pride and privilege for us being a part of college bi-annual Newsletter "YANTRA 2023-24 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 Department of Mechanical Engineering 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. Our 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.....

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.

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 HOD's Desk



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.

Prof. Ravindra Naik

The H.O.D.

Mechanical Dept.

DEPARTMENTAL ACTIVITIES

Inaugural function of the mechanical engineering association “METALLONS” for the year 2023-24 was held on 08-12-2023 at 10:30AM in Yenepoya Institute of Technology, Moodbidri. The program was inaugurated by Mr. Mohammed Akram Managing director ECONO Cooling HVAC, Mangalore. The program was presided by Prof. Ravindra Naik Head of the department of Mechanical Engineering. Mr. Mohammed Shahid, Campus Administrator, Prof. L.S. Prasad staff Co-coordinator, Mr. Muhammed Rashiq, student Co-coordinator also graced the occasion.



Mr. Moahammed Akram delivered a technical talk on “Different segments in Heating, Ventilation and Air conditioning” He also briefed about the power of originality that makes the students to design their targets with their own unique style and explained about the passion and mission theory which helps to reach the goal and to identify the area of our interest.

Department of Mechanical Engineering in association with Institution Innovation council YIT, ISTE and Metallons organized two day workshop on " Design thinking, problem solving and Intellectual Property rights" on 4th January

2024, Principal Dr. R.G.D'Souza, presided the programme and emphasized on the importance of design thinking and intellectual property rights with examples. Mohammed Shahid, Campus Administrator, Prof. Ravindra Naik, Head of the department, Prof. G. Sujaykumar and Prof. Jaganes. G.C were present during the inauguration. Prof. G. Sujaykumar, Coordinator, Institution Innovation Council, YIT and Prof. Jaganes. G.C, Coordinator, Coordinator, IPR cell, YIT, handled sessions for third sem and fifth sem students. Mohammed Arafath of 5th semester was master of Ceremony, Rishad Rasheed welcomed the gathering and Kirthan Thushar of third year delivered vote of thanks.



Department of Mechanical Engineering in association with YIT Alumni Association, ISTE Student's chapter organized YEN-CONNECT an Alumni Interaction on 21/02/2024 for all the students of Mechanical engineering.

Mechanical engineering alumni of 2017 batch, Mr. Arpan Bhandari pursuing M.Engg. in Renewable energy and E mobility in Stralsund University of Applied Sciences, Germany, Currently working for

Fresenius Kabi (a Pharmaceutical company) as a working student in energy management was the resource person. Arpan in his talk highlighted about how to shortlist the universities, documents required for admission to universities, internships in Germany, challenges faced by the international students. All the faculty members of the department and YIT alumni association coordinator Dr. Shashank Gowda were present. Mohammad Arafath of 5th semester was the master of ceremony for the event.



FACULTY ACHIEVEMENTS

- ✚ Prof Ravindra Naik, Prof Vani R, Prof Harikanth S, Prof Prasanna S R, of Yenepoya Institute of technology, Moodabidri has Successfully completed A 5-Day Workshop on "Introduction to optimization techniques using MATLAB and other tools" held on January 15th and 19th, 2024 organized by the Department of Civil Engineering, Pimpri Chinchwad College of Engineering (Autonomous), Pune.
- ✚ Prof. Vani R and Prof. Prasanna S R, Assistant Professor, Prof. Harikanth and Prof.

G Sujay Kumar Department of Mechanical Engineering Yenepoya Institute of Technology, Moodbidri participated in the State Level Five Day Faculty Development Program on "Internet of Things (IoT): Exploring Applications and Innovations" organized by the Department of Electronics and Communication Engineering from 17h to 15h September 2023 held at Yenepoya institute of Technology, Moodbidri.

✚ This is to certify that Prof. Vani R, Prof. Harikanth S, Prof G Sujaykumar, Prof. Prasanna S R, Prof. L S Prasad, Prof. Venkatesh Rao and Prof. Jaganesh G C of Yenepoya Institute of Technology, Moodbidri has participated in the three day faculty development programme on "Interface of Intellectual Property Rights (IPR) in Academics and Industry" during 6th to 8th September, 2023 organized by "YIT-KSCST IPR CELL", Yenepoya Institute of Technology, Moodbidri.

✚ Prof. G Sujaykumar successfully completed 12 weeks FDP on "Social Innovation in Industry 4.0" organized by NPTEL in association with AICTE.

✚ Prof. G Sujaykumar successfully completed 12 weeks FDP on "Understanding incubation and entrepreneurship" organized by NPTEL in association with AICTE.

✚ Prof. G Sujaykumar was a resource person for the ATAL LAB Nodal Teachers Workshop on "Design thinking and Innovation" organized by District Institution of Education and Training, Udupi on 19/01/2024 held at KPS, Koteswara.

✚ Prof. G Sujaykumar Successfully completed 12 weeks NPTEL course on "Social Innovation in Industry 4.0" with 95%, Gold medal and Top 2% topper.

✚ Prof. G Jaganesh Chengappa for Participating in workshop on "Strategies for Enhancing Surface Integrity, Mechanical Properties and Minimizing Residual Stress in Additively Manufactured Components" organized by Dept. of Mechanical Engineering, NMAM Institute of Technology, Nitte in association with National Centre for Additive Manufacturing (NCAM) from 5th to 9th February 2024.

✚ Prof. Venkatesh Rao H attended one-day workshop on ""Energy Storage Devices and E-Waste Management,"" during October 27, 2023 organized by Department of Mechanical Engineering, NMAMIT, Nitte.

✚ Under the guidance of Prof. G Sujaykumar, students won second prize in EMERGE 2024 held on 18/02/2024 at TAPASYA Beach Festival, Mangalore.

✚ Prof. G Sujaykumar was a resource person for one day workshop on "Advanced additive manufacturing and real time projects" organized by Yenepoya Institute of Technology, Moodbidri on 15/11/2024 held at Shree Vadiraja Polytechnic, Kumta.

✚ Prof. G Sujaykumar was a resource person for one day workshop on "Advanced additive manufacturing and real time projects" organized by Yenepoya Institute of Technology, Moodbidri on 16/11/2023 held at Government Polytechnic, Karwar.

Placement details

Following students of final year placed in Wind care India Private Limited

1. ABDURRAUF KHAN
2. ATHUL SHAJI
3. HANIN RAHMAN P
4. MOHAMMAD MUHSIN
5. MUHAMMAD MUNEER K I
6. MUHAMMED JAFER K P B
7. NIKETH JAYARAJ
8. RAHUL VINOD
9. SURESH
10. AKSHAY K

Following students of final year placed in Ibx Engineering Private Limited

1. AKSHAY K
2. ANANDHU ANILKUMAR
3. ANASYOOTH VP
4. DISHEIK K
5. JISHNU PRASANTH
6. MITHUN M
7. PAWAN LAXMAN SHETTIGAR
8. PRAVEEN
9. SURESH
10. VISHNU K
11. VIVEK

Following students of final year placed in X-Workz

1. MAHAMMAD SINAN
2. MUHAMMAD MUNEER K I

Following student of final year placed in Rinex Technologies

1. KUMAR THEJAS

EXTRACURRICULAR ACTIVITIES

The inaugural ceremony of Yenepoya Premier League season 6 was held on 15 December 2023. Mr. Poornachandra Jain, Prabhath silks, Moodbidri was the chief guest. Final match was played between Yen Pitch Burners vs Yen Challengers where Yen Pitch Burners won the YPL season -6 trophy.



The inaugural ceremony of Yenepoya Soccer League-4 was held on 2 and 3 March 2024. Final match was played between Yen Madrid vs Yen Celtic where Yen Madrid won the YSL season -4 trophy.



Faculty coordinator

Prof. Prasanna S R

Department of Mechanical Engineering

YIT, Moodbidri