



YANTRA

Newsletter-2022-23, Vol VI, 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 2022-23 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, 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.

Prof. Ravindra Naik

The H.O.D.

Mechanical Dept.

DEPARTMENTAL ACTIVITIES

Department of Mechanical Engineering organized three-day workshop on “Advanced Industrial Automation” on 9th, 10th and 11th November 2022. Mr. Himanshu Kumar, Director, INDWELL AUTOMATION, Mangalore was the resource person. All the faculty members of the department and 7th semester students were present. Mr. Dinol Monteiro of 7th semester was the master of ceremony for the event.



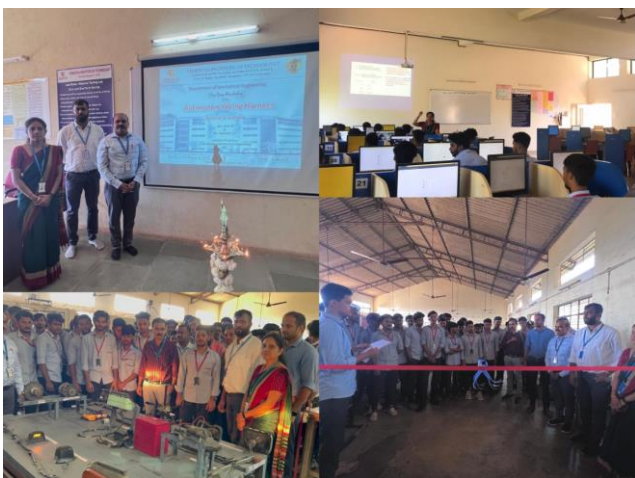
METALLONS - Student association of Department of Mechanical Engineering YIT, Moodbidri was inaugurated on 7th December 2022. Dr. R. Loksha, Registrar, Keladi Shivappa Nayaka University of Agriculture and Horticulture Sciences Navile, Shivamogga, and Mr. M Dinesh Kumar Professor of Agronomy, in Keladi Shivappa Nayaka University of Agriculture and Horticulture Sciences Navile, Shivamogga were the chief guest of the function. Prof. Ravindra Naik, HOD, Department of Mechanical Engineering presided over the inaugural function, Prof. Harikanth S, METALLONS Association Co-ordinator and Mr. Mohammed Sawad, President of METALLONS Association 2022-2023 were present on occasion. On this occasion, A Motivational talk on “Career opportunities in defense” by Mr. Mahammad Yusuf M Bulbule,

Alumni - Class of 2018 Mechanical Engineering, Central Industrial Security Forces (CISF) was organized.



YIT has signed MOU with Keladi Shivappa Nayaka University of Agriculture and Horticulture Sciences Navile, Shivamogga.

Department of Mechanical Engineering in association with METALLONS organized a One day Workshop on “Automotive Wiring Harness”. The inaugural session was held on 19/01/2023. Prof. Vani R, Asst. Professor, Department of Mechanical Engineering and Prof. Jaganesh G C, Asst. Professor, Department of Mechanical Engineering, YIT were the resource persons.



Department of Mechanical Engineering in association with ISTE Student chapter (KA-109), YIT organized four day Workshop on “Composite

Materials and Metal Casting”. The inaugural session was held on 27/02/2023. Prof. Vani R, Prof. Venkatesh Rao and Prof. Jaganesh G C, Asst. Professor’s, Department of Mechanical Engineering, YIT were the resource persons.

Workshop session includes hands on training on composite materials and casting. All the faculty members of the department and 3rd semester students were present. Kirthan Thusar Mendonca of 3rd semester was the master of ceremony for the event



The department of mechanical engineering organized one day Industrial visit for 3rd semester students to Comed Kares innovation Hub, Mangalore and Serval Engineers Pvt Ltd, Industrial Estate, Yeyyadi, Mangalore on 01/03/2023



FACULTY ACHIEVEMENTS

- ✚ Prof Ravindra Naik, Prof Vani R, Prof Harikanth S, Prof Prasanna S R, Prof L S Prasad, Prof Jaganes G C and Prof Venkatesh Rao of Yenepoya Institute of technology, Moodabidri has participated three day faculty development Programme on "Recent Advancements in Materials and Manufacturing (RAMM) " organized by SJEC, Mangalore from 13/02/2023 to 15/02/2023
- ✚ Prof Ravindra Naik, Prof Vani R and Prof. G Sujaykumar from Yenepoya Institute of Technology, Mangalore has participated and successfully completed the 5-day online FDP on the theme "Inculcating Universal Human Values in Technical Education" organized by All India Council for Technical Education
- ✚ Prasanna S R of Yenepoya Institute of technology, Moodabidri has participated one week professional development programme on "Entrepreneurship Development " organized by NITTTR, Chennai from 30/01/2023 to 03/02/2023
- ✚ Prof Prasanna S R of Yenepoya Institute of technology, Moodabidri has participated one week professional development programme on "NBA Accreditation Process " organized by NITTTR, Chennai from 06/02/2023 to 10/02/2023
- ✚ Prof Vani R attended one day Awareness Workshop on Outcome Based Education and Accreditation on 16th January 2023 at BMS College of Engineering Bangalore
- ✚ Prof Vani R -Yoga Teacher Training Certificate certified by Udemy on September 2022
- ✚ Prof Jaganes G C underwent one week training on Basic training program at TVS, Product training centre, Bengaluru on 05/09/2022 to 09/09/2022
- ✚ Prof Harikanth S of Yenepoya Institute of technology, Moodabidri has participated one week faculty development programme on "Hybrid Electrical Vehicles "Jointly organized by the Departments of Mechanical Engineering of GMR Institute of Technology, Rajam and Velagapudi Ramakrishna Siddhartha Engineering College, Vijayawada during 21st -25th November 2022.
- ✚ Prof G Sujaykumar Attended 4 days TVS Periodic Maintenance Training Programme in TVS training Centre, Bangalore from 6th September 2022 to 9th September 2022
- ✚ Prof G Sujaykumar guided, project titled "Multipurpose gloves" shortlisted in top 15 projects from Karnataka and got funding of 1,00,000 rupees from KSDC, Government of Karnataka in association with SAP and UNDP.
- ✚ A proposal titled "Smart defecation system for elderly people" submitted by Prof G Sujaykumar got funding of 2,00,000 rupees from Yenepoya Technology Incubator, Yenepoya University.
- ✚ Under the guidance of Prof G Sujaykumar, an idea "Kampan - Harvesting vibration energy" presented by Sagar, Afeez (5th Sem ECE) and Anush(5th Sem EEE) from Yenepoya Institute of Technology, Moodbidri has won FIRST PRIZE in an IDEATHON 2023 - A State level Innovation Competition organized by ISTE - Karnataka section at Channabasaveshwara Institute of Technology, Gubbi, Tumkur held on 14th March 2023.
- ✚ Under the guidance of Prof G Sujaykumar an Idea "Kampana- Vibration Energy Harvesting" presented by Sagar, Hafeez, Prakash, Arshad(5th

Sem ECE) and Anush(5th Sem EEE) from Yenepoya Institute of Technology, Moodbidri has been selected in the Top 100 ideas of KPIT SPARKLE 2023.

✚ Prof G Sujaykumar, resource person for the workshop on "Idea generation, prototyping and Testing" held at MInd Tree School, Ambala, Haryana from 22/07/2022 to 24/07/2022

STUDENT'S ACHIEVEMENTS

✚ Mr.Sulaiman Suhail 4DM19ME079(7th Sem) bagged bronze medal under 97 kg category V.T.U State level wrestling Championship In the Academic year 2022 - 23.

✚ Mr.Sulaiman Suhail 4DM19ME079(7th Sem) bagged Silver Medal under 91 kg category V.T.U State level Judo Championship In the Academic year 2022 - 23.



Placement details

Following students of final year placed in Sterlite Technologies Limited.

1. Abin Rixon
2. Mohammed Afeef Moideen
3. Mohammed Ali Jawher
4. Mithun Raghunath

Following students of final year placed in Intellipat.

1. Adithya T V
2. Naman Kumar
3. Steny Joseph
4. Vignesh

Following student of final year placed in Amaraja Batteries Limited

1. Sibin Vincent

EXTRACURRICULAR ACTIVITIES

The inaugural ceremony of Yenepoya Premier League season 5 was held on 16 December. Shri Siddu Narnur, ASI Moodbidri police station was the chief guest. The matches were held for 3 days from 16th December 2022 to 18th December with 12 league matches between 8 teams, 2 qualifiers, 1 eliminator and 1 final match.

Final match was played between Yen Titans and Yen Super Kings where Yen Titans won by 17 runs.

Yen Titans and final winner's trophy was awarded to the winning team by Mr. Mohammed Haris, Manager of Zara Convention Centre, Ganjimutt, who was one of the sponsor of YPL season 5.

