



# YANTRA

Newsletter-2022-23, Vol VI, Issue II

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, 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

Department of Mechanical Engineering in association with METALLONS organized a Two day Workshop on “Introduction to MATLAB and Simulink”. The inaugural session was held on 08/06/2023. Prof Vani R, Asst. Professor, Department of Mechanical Engineering, YIT was the resource person. All the faculty members of the department and 6th semester students were present. Kumar Thejas of 6th semester was the master of ceremony for the event.

Workshop sessions include hands on sessions on Introduction to MATLAB, mathematical functions handled in MATLAB, Introduction to Simulink.



Department of Mechanical Engineering in association with Institution's Innovation council, Metallons and ISTE Student chapter (KA-109), YIT organized a talk on “Life Mission Towards Protection of Environment”. Dr. Ravi D R, Regional Officer, Karnataka State Pollution Board(KSPCB), Mangaluru was the resource person. Principal Dr.R G D'Souza presided over the function.

In his talk he emphasized on individual contribution towards protection of the environment and also emphasized importance of individual commitment and collective action in addressing the environmental challenges . All faculty and students took the pledge on

Life mission towards protection of Environment led by the Resource person.

All the faculty members of the ME, EEE department, 6th and 4th semester ME & EEE students were present. Mohammed Arafath of 4th semester was the master of ceremony for the event.



Department of Mechanical Engineering in association with ISTE Student chapter (KA-109), YIT organized Final Year Project Exhibition “Yen Manthan-2023” on 08/05/2023. Dr. Mohan Kumar, Associate Professor Department of Mechanical Engineering MITE, Moodbidri & Mr. Ravindra Naik HOD, Department of Mechanical engineering were the evaluators for the Yen Manthan -2023. Total 24 batches of Mechanical Engineering exhibited their projects. All the faculty members, staff & students visited the project exhibition.



NCC unit of YIT in association with METALLONS and YEN CONNECT organized a talk on “Career Opportunities in Defence Service” on 9th June 2023. Proud Alumni of YIT Mr. Mohammed Yusuf Bulbule, Soldier on General Duty, Central Industrial Force in Armed Force, Rajasthan was the resource person In his talk he focused on career opportunities in defence aimed to enlighten Mechanical engineering students about the promising prospects available in the defence sector and he highlighted the various fields within defence that require technical expertise and innovation, emphasized the significance of engineering skills in contributing to national security and outlined the potential career paths awaiting aspiring engineers. Prof. Ravindra Naik, Head, Department of Mechanical Engineering, faculty members and Mechanical Engineering students were present.



## FACULTY ACHIEVEMENTS

✚ Ms. Vani R from Yenepoya Institute of Technology, Mangalore has participated and successfully completed the 6-day Online UHV-II FDP organized by All India Council for Technical Education (AICTE) from 24th April to 29th April 2023.

- ✚ Prof. Ravindra Naik, Prof Vani R, Prof. Harikanth S, Prof. G Sujay Kumar, Prof Prasanna S R, Prof L S Prasad, Prof. Abdul Rahiman, Prof Jaganesh G C and Prof Venkatesh Rao of Yenepoya Institute of technology, Moodabidri has participated and successfully completed the 3-day Face-to-Face FDP on the theme “Inculcating Universal Human Values in Technical Education” organized by All India Council for Technical Education (AICTE) at Yenepoya Institute of Technology, Moodbidri from 4th May to 6th May 2023.
- ✚ Prof. Harikanth S and Prof. Prasanna S R of Yenepoya Institute of Technology, Moodbidri has participated and successfully completed One Week Online AICTE–VTU Joint Teachers Training Programme on “Robotics & Artificial Intelligence” from 24th to 28th April 2023 Organized by Visvesvaraya Technological University, Centre for PG Studies, VIAT, Muddenahalli, Chikkaballapur (Dist.) - 562101.
- ✚ Prof. Vani R, Prasanna S R, Prof. Harikanth S, Prof L S Prasad and Prof G Jaganesh Chengappa of Yenepoya institute of Technology, Moodabidri has participated and successfully completed One Week AICTE–VTU Joint Teachers Training Programme on “Introduction to Python Programming & its Applications” from 13th to 17th March 2023 Organized by Visvesvaraya Technological University, Centre for PG Studies, VIAT, Muddenahalli, Chikkaballapur (Dist.) - 562101.
- ✚ Prof. G Sujaykumar published a technical article on "Development of plant irrigation water sprinkler robot "International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET), Volume 12 Issue 4,260, April 2023.
- ✚ Prof. G Sujaykumar published a technical article on "Development of Unmanned Areca nut Bunch Plucking Machine”, International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET), Volume 12 Issue 4,314, April 2023.
- ✚ Under the guidance of Prof. G Sujaykumar, project titled " Smart defecation system for patients and elderly people" got first prize in a project exhibition" Yen Manthana 2023" held at YIT.
- ✚ Under the guidance of Prof G Sujaykumar, project titled " Design and fabrication of Urostomy bag holder" got first prize in a mini project exhibition" Yen Yojana 2023" held at YIT.
- ✚ Prof. G Sujaykumar become Associate Member, International Society for Development and Sustainability (ISDS).
- ✚ Prof. G Jaganesh C of has participated and successfully completed One Week AICTE–VTU Joint Teachers Training Programme on “Smart Materials & Systems” from 29th May to 02nd June 2023 Organized by Visvesvaraya Technological University, Centre for PG Studies, VIAT, Muddenahalli, Chikkaballapur.
- ✚ Prof. G Jaganesh Chengappa of Yenepoya Institute of Technology, Moodbidri has participated and successfully completed One Week AICTE–VTU Joint Teachers Training Programme on “Introduction to Internet of Things (IoT)” from 17th to 21st April 2023 Organized by Visvesvaraya Technological University, Centre for PGStudies,VIAT,Muddenahalli,Chikkaballapur.

## 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

Following student of final year placed in AMS Bangalore

1. Sharath V

Following students of final year placed in Rexnord Electronics and Controls Pvt Ltd

1. Muhammad Ashfan
2. Nihal Manzoor
3. P J Thejash

✚ The following list of student's project funded by KSCST for the year 2022-23.

Sl no	Project Title	Students Name
1	Fabrication of vegetable and fruit washing machine	Shreedhara Devendra Badiger
		Akash M
		Adithya
		K Sharath
2	Design and fabrication of udupi jasmine knotting device	Manoj M H
		Likhith Balakrishna
		Sangam C
3	Hybrid electric scooter	Ankith D. R
		K S Anandhu
		Sachin
		Abhimanyu K K
4	Fabrication of spraying robot using rocker bogi mechanism	Arjun Biju
		Sunil Poojar
		Sharath V
		Nidhish U Shetty
5	Design and development of IoT based sub-surface irrigation system	Rakshith
		Leroy Joel Crasta
		Lional Godson Rego
		Jastin Menezes
		M Afeef Moideen