



MECHANICAL ENGINEERING NEWSLETTER

“YANTRAMSHA”

INSTITUTE VISION

To be the most preferred Institution for Engineering & Management Education, Research and Entrepreneurship by creating professionally superior and ethically strong global manpower.



Students of Mechanical Engineering Department collecting the Runner up award for ME department during Ethnic day event from Dr. Yuvaraju B N, Prinipal, PESITM on 30.12.2023



Ms. Vaishnavi H R, Final year student of Mechanical Engineering received the Ms. PESITM 2024 awrd from Dr. Yuvaraju B N, Prinipal and Dr. Madhavi Mallam, HOD, ECE Department



Glimpses of Ethnic day celebration by Mechanical Engineering students and faculties on 30.12.2023

INSTITUTE MISSION

To prepare students for professional accomplishments and responsible global citizenship while fostering continuous learning and to provide state-of-the-art education through the committed and highly skilled faculty by partnering and collaborating with Industry and R&D Institutes.



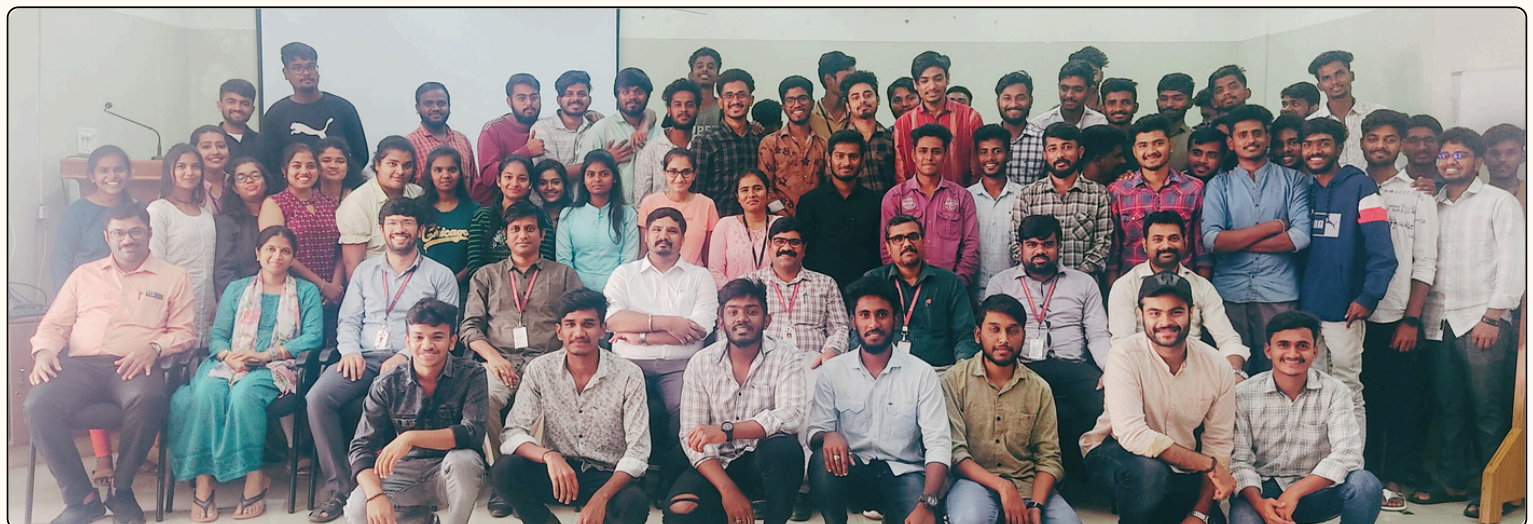
One day Technical talk on Lean Transformation/Lean Management by Mr. Mahadevaswamy M, Product owner - Data life cycle, Cargil Business Services, Bengaluru (6th from left) on 02.03.2024 for ME Students



Dr. Kiran Kumar K, Assistant Professor, ME Dept. was felicitated by Dr. Nagaraja R, CCA, PES Trust and Dr. Yuvaraju B N, Principal, PESITM on 20.02.2024 for the successful completion of his PhD



Dr. Kiran Kumar K, Assistant Professor, ME Dept. received PhD Degree certificate during VTU 23rd Annual Convocation on 07.03.2024



One day Technical talk on Recent trends in Advanced Manufacturing Technology by Mr. Raghavendra Surendra, Founder & CEO, Akruthi 3D Private Ltd, Surathkal (5th from left) on 13.01.2024 for ME Students

DEPARTMENT VISION

To emerge as a center of excellence in the field of Mechanical Engineering Education, Research and Entrepreneurship.



Industrial visit to Vrahi Hydroelectric Project, Hosangadi on 28.12.2023 and Keltech Energies Limited, Hebri on 29.12.2023 by 7th Sem ME Students



Mr. Balaraj V, Mr. Chandru Gowda G M, Mr. Shivakumar S M and Mr. Varun G S of Final year Mechanical Engineering Students have secured First Place in the "Robo Race" event in "Plasma 2K23" held at JNNCE, Shivamogga on 23.12.2023

Topper details of 2022-23 Even Semester



Sanjay U, 8th Sem
Marks: 452/500



Shivakumar S M, 6th Sem
Marks: 653/800



Vinay G K, 4th Sem
Marks: 846/1000

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M1- Creating a platform for effective and continuous learning by offering a strong technical knowledge and skills.

M2- To motivate the students in involving academic and research activities for their career excellence and being responsible global citizens.

M3- To include social, ethical and entrepreneurial values for the professional accomplishments.



Inauguration of Four days FDP on Machine learning applications in Nanocomposites and Nanomaterials by Dr. Nagaraja R, CCA, PES Trust, Dr. Prasanna Kumar T M, Principal, Dr. Gurumurthy Hegde, Director, Center for Advanced Research & Development Christ University, Bengaluru, Dr. Girisha L, HoD, ME and Participants on 04.12.2023 at ME Seminar hall



Group photo during the Hands on Session on Processing of Nanocomposites and Nanofluids by Mr. Asif and Team, Adnano Technologies Pvt. Ltd. Machenahalli, Shivamogga on 06.12.2023 at PESITM- Adnano Center for Nanotechnology Lab, PESITM



Group photo during the Valedictory program of Four days FDP on Machine learning applications in Nanocomposites and Nanomaterials on 07.12.2023 at ME Seminar Hall

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Intra Branch Cricket tournament was organised by the Mechanical Engineering Department at Sri. Atal Bihari Vajpayee Cricket ground on 29.11.2023



On the occasion of Kannada Rajyotsava Inter branch Quiz Event and Skit/Dance event was organized by the ME department on 03.11.2023 and 08.11.2023 at ME Seminar hall



Group photo with the Participants, Student Coordinators, Faculty Coordinators and Judges during the Skit/Dance Event organised by ME department on the occasion of Kannada Rajyotsava on 08.11.2023 at ME Seminar hall

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Khadi and Gramodyoga Board Division, Bangalore Zone office bearers Smt. Shaila Rao and Mrs. Sharada gave detailed information to the ME students about the various schemes offered by the Central Government as a part of awareness month program to popularize the use of Khadi cloths on 31.10.2023 at ME Class room.



Dr. Ramanad Garg, Director, Raksha University, Shivamogga along with CCA and Principal visited to Mechanical Engineering Department, Observed all the Laboratories and Research Lab on 23.09.2023

Placement Details for the Academic Year 2023-24 Odd Semester

Sl. No	USN	Name of the Student	Companies Placed
1	4PM20ME006	BERLY MARIA THOMAS	TALENT SERVE
2	4PM20ME012	DIVYA C M	TALENT SERVE
3	4PM20ME014	KARAN MAHALATKAR	ENVENTURE
4	4PM20ME022	POORNIMA JAYAPPA CHANNAYYA	TALENT SERVE
5	4PM20ME024	SAGAR G S	ABM ENERGO ENGINEERS
6	4PM20ME025	SAHANA R PATIL	TATA ELXSI, TALENT SERVE, E-CONSTRUCT
7	4PM20ME026	SHIVAKUMAR S M	TATA ELXSI, TECHNOLOGICS
8	4PM20ME027	SIDDESH G K	ENVENTURE
9	4PM20ME029	STEPHEN F S	TATA ELXSI
10	4PM20ME030	SUJALA S K	TRIVENI TURBINES
11	4PM20ME032	VAISHNAVI H R	E-CONSTRUCT
12	4PM20ME033	VARUN G S	ENVENTURE

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Faculty Achievements

1. **Dr. Girisha L** published a Book Chapter entitled “Application of Medical Robotics in Healthcare Sector” in IGI Global Publications on March 2024.
2. **Dr. Girisha L** has been nominated as Technical Program Committee Member for “MECH-TECH International Conference on Emerging Trends in Mechanical Engineering” at PACE Conclave 2024.
3. **Dr. Manjunath Patel G C** received a recognition for publishing 4 open access articles with Elsevier linked to the United Nations Sustainable Development Goals, helping to tackle some of the world's greatest challenges.
4. **Dr. Manjunath Patel G C** published a patent on the invention “Development of an unified platform and automated voice-based electronic health record (EHR) system for enhanced patient information management ” on 05.01.2024
5. **Dr. Manjunath Patel G C** published a patent on the invention “A Complete Digital Evaluation System” on 22.12.2023
6. **Dr. Ashok R Banagar** published a patent on the invention “Method and system for optimized friction stirr welding of dissimilar aluminium alloys 5083-H111 and 6082T-6” on 29.03.2024
7. **Dr. Ashok R Banagar** delivered a Technical Talk on “Hands on Session on Hypermesh”, at GM University, Davanagere on 17th and 18th February 2024
8. **Dr. Ashok R Banagar** published a paper entitled “Determination of thermal insulating properties of cenosphere powder-filled areca husk fibre reinforced epoxy composites” in Journal of the Indian Academy of Wood Science, Volume 20, pages 149–156, on 21.10.2023
9. **Dr. Manjunath Patel G C** and **Dr. Preetham B M** have participated in a paper oral presentation on the topic “Transesterification of sustainable binary feedstocks (waste cooking oil and soybean oil) for biodiesel production” at an International Conference on “Innovation in Sustainable Energy and Material Science” held on 1st and 2nd March 2024 at JNNCE Shivamogga and received “**Best Oral Presentation Award**”.
10. **Mr. Tharanatha H**, **Dr. Preetham B M** and **Mr. Prasanna Nayak H** have participated in a paper oral presentation on the topic “Performance Analysis of Calophyllum inophyllum biodiesel blends on a 4-stroke CI Engines” at an International Conference on “Innovation in Sustainable Energy and Material Science” held on 1st and 2nd March 2024 at JNNCE Shivamogga.
11. **Mr. Tharanatha H** has successfully completed 12-week NPTEL Course of JUL-OCT 2023 term on “Engineering Graphics and Design”, with a consolidated score of 78%.
12. **Mr. Praveena R** has successfully completed 12-week NPTEL Course of JUL-OCT 2023 term on “Automation in Manufacturing”, with a consolidated score of 67%.
13. **Mr. Praveena R**, has successfully completed 12-week NPTEL Course of JUL-OCT 2023 term on “Engineering Graphics and Design”, with a consolidated score of 78%.
14. **Dr. Preetham B M** and **Mr. Mujibur Rehman** attended the 3 Day FDP, organized by VTU at Atria Institute of Technology, Bengaluru on “Introduction to Modelling and Design for the Manufacturing using Fusion 360 by AUTODESK from 06.11.2023 to 08.11.2023
15. **Mr. Kiran Kumar K** delivered a talk on “Heat Transfer Enhancement with the Application of Metal Foams and Finding its Exergy Limits” as a resource person on 31st January 2024 in VGST sponsored FDP on “Porous Medium – Theory to Industrial applications” held from 29th January to 1st February, 2024 organized by Dept. of Mathematics & Dept. of Mechanical Engineering College, Haveri, Karnataka.
16. **Mr. Kiran Kumar K** Published a paper entitled “Outlining the impact of discrete filling of metal foams on thermodynamic performance” in Thermal Science and Engineering Progress, Volume 45, 01.10.2023, SCI Journal (Q1), Impact Factor: 4.8. Elsevier Publications
17. **Mr. Kiran Kumar K** Translated 7-hours lecture of “Electromagnetic theory” course offered by IIT Kanpur in Kannada language on 08.01.2024



Mandala Art and Hand bag Art by Ms. Vaishnai H R, Final year student

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Students Achievements/Participations

- 1. Ms. Rekha J**, 2nd year ME student has successfully completed 8 week NPTEL online certification in the subject "Nanotechnology, Science and Application" with a consolidated score of 46% in September 2023.
- 2. Ms. Sahana R Patil**, Final year ME student has completed the online certification course on Electric Vehicle Design offered by Great Learning on October 2023.
- 3. Mr. Balaraj V, Y, Mr. Chandru Gowda G M and Mr. Sagar G S**, Final year ME students participated in Two day National level Student's Technical fest "Advitiya-23" organised by K.L.E. Institute of Technology, Hubballi on 11th & 12th December 2023.
- 4. Mr. Balaraj V, Mr. Chandru Gowda G M, Mr. Shivakumar S M and Mr. Sagar G S** of Final year ME students participated in Roborace event held in Tech Utsav organised by GMIT, Davangere on 29.02.2024
- 5. Mr. Vinay G K and Ms. Ashritha Amrutheswara Gowder**, 5th Sem ME students received the sponsorship from IMTMA, Bangalore for participating in the 16th Jagruti IMTMA Youth Programme as part of IMTEX FORMIN 2024, TOOLTECH 2024 & WELDEXPO 2024 exhibition at BIEC, Bangalore on 20th & 21st January 2024.
- 6. Ms. Ashritha Amrutheswara Gowder**, 5th Sem ME student represented PESITM in the event "Smart India Hackathon - 2023" at Kolkatha, organised by MOEs Innovation Cell, Ministry of Education, Govt. of India on 19th and 20th December 2023.

Call for Newsletter Articles

We need articles for future additions of Newsletter

Please consider providing a short item of news, or an in depth article for the next edition of the newsletter. We would like to invite everybody to submit a short story/ article/ announcement that can fit in the following structure:

News items and announcements

- Short, topical, news oriented technical/ non-technical topics.
- Paintings, sketches, comics, poems, day-writings, short stories etc.
- Major and minor technical articles are also accepted.
- Jokes, Punch dialogues, quotes of your own could be included.
- All of above said matters could be accepted in English or in kannada formats

Feel free to communicate with the student and staff coordinators for more details.

- Editor



EDITORIAL TEAM

(L to R)

Mr. Vinay G K (5th Sem)

Ms. Vaishnavi H R (7th Sem)

Dr. Girisha L (Prof. & Head)

Mr. Ajey C P (Asst. Prof.)

Mr. Yashas R (3rd Sem)