



YEAR 2024-25, VOLUME 8, ISSUE 2

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.



Group photo of Final year Mechanical Engineering Students of batch 2021-2025 along with HoD and Faculty members during the Graduation Day on 31.05.2025 at Prerana Convention Hall.



Students of Mechanical Engineering receiving the Course completion certificate from the Dignitaries during the Graduation Day on 31.05.2025 at Prerana Convention Hall.

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.



Group photo of Final Year Mechanical Engineering Students of batch 2021-25 along with Hod, ME and Staff members during Farewell Day on 31.05.2024 at ME Department

Runners-up of Prerana 2025 Basketball Tournament — Mechanical Engineering students with HoD.



Group photo during the Alumni talk on "Building of Healthy lifestyles for better future" by Mr. Santhosh Kumar V N, Health Coach, Rustic Wisdom, Bengaluru for 4 and 6th sem ME students on 05.04.2025 at ME Seminar Hall.

DEPARTMENT VISION

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



Group photo with Alumni, HoD, Staff Members, and students during the Alumni Meet held on 01.03.2025 at the ME Seminar Hall



Interaction of an Alumni with Students and Faculty members of the Mechanical Engineering Department during the Alumni Meet held on 01.03.2025 at the ME Seminar Hall.

Topper details of 2024-25 Odd Semester



Vinay G K
7th SEM
Marks: 622/700



Rekha J
5th Sem
Marks: 783/900



Yashaswini N B
3rd Sem
Marks: 812/900

DEPARTMENT MISSION

- 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.



Group photo during Expert talk on Fluid Mechanics by Dr. Prasanna Kumar B C, Professor, Department of Studies and Research in Mathematics, Davangere University along with the HoD of ME, Faculty members and 4th Sem ME Students on 27.03.2025 at the Seminar hall, PESITM, Shivamogga.



Expert talk on Fluid Mechanics delivered by Dr. B. J. Gireesha, Director of Research and Development, Kuvempu University, Shivamogga, for the 4th semester ME students on 27.03.2025 at the Seminar Hall, PESITM, Shivamogga



Dr. Girisha L., (4 from left) Professor and Head, Department of Mechanical Engineering, served as the Resource Person for a one-day workshop on NBA at KLS Gogte Institute of Technology, Belagavi, on 13.02.2025

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Dr. Girisha L., Professor and Head, Department of ME, Mr. Seetharama Krishnamurthy, Foreman, and Mr. Tarun Kumar S. S., a 2nd year ME student, represented PES Institute of Technology and Management with their product Automatic Bar Puller System for CNC Machines during the International Machine Tool & Manufacturing Technology Exhibition held from 23.01.2025 to 29.01.2025 at BIEC, Bengaluru



Mr. Tarun Kumar S. S., a 2nd year ME student, delivered a presentation on 'Design and Optimization of an Automated Bar Puller System for CNC Machines' at the i2Academia Pavilion during IMTEX 2025, held from 23.01.2025 to 29.01.2025 at BIEC, Bengaluru



Final year students of the ME Department participated in the Manufacturing Technology Quiz Contest held during IMTEX 2025 on 25.01.2025 at BIEC, Bengaluru

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Details of Final year Students with Paid Internships in the 8 Semester

SL No	USN	Name of the Student	Name of the Company	Stipend (Rs.)
1	4PM21ME001	A Aravind Reddy	General Engineering Consortium, Bengaluru	15,000
2	4PM21ME003	Abhishek S	General Engineering Consortium, Bengaluru	15,000
3	4PM21ME004	Ashritha Amrutheswara Gowder	EMMVEE Energy Power Limited, Bengaluru	20,000
4	4PM21ME005	Deepak Malthesh Kammar	EMMVEE Energy Power Limited, Bengaluru	20,000
5	4PM21ME007	Gouspeer N	AD-Nano Technologies Private Ltd, Shivamogga	5,000
6	4PM21ME008	Govindraj	Prragathi Steel Casting Private Ltd, Shivamogga	10,000
7	4PM21ME009	Harsha L M	Prragathi Steel Casting Private Ltd, Shivamogga	10,000
8	4PM21ME010	Kiran K	Prerana Engineering Works, Bengaluru	10,000
9	4PM21ME012	Pradeep Achar S	Prerana Engineering Works, Bengaluru	10,000
10	4PM21ME013	Prajwal K M R	AD-Nano Technologies Private Ltd, Shivamogga	5,000
11	4PM21ME014	Raiyan Khan	Southern Electronics, Bengaluru	15,000
12	4PM21ME015	Sanjay V C	Prerana Engineering Works, Bengaluru	10,000
13	4PM21ME016	Syed Ghassan	AD-Nano Technologies Private Ltd, Shivamogga	5,000
14	4PM21ME017	Vinay G K	EMMVEE Energy Power Limited, Bengaluru	20,000
15	4PM21ME412	Mohammed Ameen	AD-Nano Technologies Private Ltd, Shivamogga	5,000
16	4PM22ME400	Anantha Kini K	Prragathi Steel Casting Private Ltd, Shivamogga	10,000
17	4PM22ME401	Darshan G	Prragathi Steel Casting Private Ltd, Shivamogga	10,000
18	4PM22ME402	Gagan Nayak	EMMVEE Energy Power Limited, Bengaluru	20,000
19	4PM22ME403	Hareesh S Lingadahalli	Craftman Innovation Pvt. Ltd, Pune	15,000
20	4PM22ME405	Jhenkar K R	EMMVEE Energy Power Limited, Bengaluru	20,000
21	4PM22ME406	Lakshmikanth B S	Prragathi Steel Casting Private Ltd, Shivamogga	10,000
22	4PM22ME408	Manoj L	Prragathi Steel Casting Private Ltd, Shivamogga	10,000
23	4PM22ME409	Muheebulla	Prragathi Steel Casting Private Ltd, Shivamogga	10,000
24	4PM22ME411	Sai Venkata Ramana	Prragathi Steel Casting Private Ltd, Shivamogga	10,000



Alumni talk on "How to Crack the Civil Service Exam" by Mr. Maruti M G, 2014-2018 Batch, for 4 and 6th sem ME students on 05.04.2025 at ME Seminar Hall.



Art by Mr. Harshavardhanachari D, 2nd year student

DEPARTMENT VISION

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Faculty Achievements

1. Dr. Girisha L published a research article entitled "Investigation on the mechanical and thermal properties of coconut shell powder and HDPE composites", in AIP Conference Proceedings, 3306, 070009 on 05 June 2025.
2. Dr. Girisha L published a paper entitled "Fabrication, Microstructure Study and Wear Characteristics of Coconut Shell Powder Filled Natural Sisal and Jute Fiber Reinforced Epoxy Composites", in Journal of The Institution of Engineers (India): Series D, 1-14 on 21 January 2025.
3. Dr. Girisha L successfully completed a Two-day workshop on "Effective Public Speaking", organized by JCI, Shivamogga on 8 and 9 March 2025 at Srigandha Farm Stay, BRP.
4. Prof. Gowtam J K successfully completed 8-week NPTEL Course of Feb-Apr 2025 term on "Total Quality Management-I", with a consolidated score of 67%.
5. Dr. Manjunath Patel G C published a paper entitled "Multi-Input Multi-Output Modeling of Anthill Clay-Bonded Sand Mold System Using Artificial Neural Networks: Forward and Reverse Predictions", in Engineering Reports, 7(6), e70224, on 02 June 2025.
6. Dr. Manjunath Patel G C published a paper entitled "Optimizing biodiesel production from underutilized *Garcinia indica* oil through empirical, Coati Optimization and Salp Swarm Algorithm", in Biomass and Bioenergy, 200, 108020 on 28 May 2025.
7. Dr. Manjunath Patel G C published a paper entitled "Osprey algorithm-based optimization of selective laser melting parameters for enhanced hardness and wear resistance in AlSi10Mg alloy", in Journal of Materials Research and Technology, 36, 3556-3571 on 05 April 2025.
8. Dr. Manjunath Patel G C published a paper entitled "Integrated optimization of mechanical alloying parameters for nanostructured Ti-Mg-Zr alloy using desirability function, educational competition, and grey wolf algorithms", in Results in Engineering, 26, 104748 on 28 March 2025.
9. Dr. Manjunath Patel G C published a Book entitled "Biofuel Production, Performance, and Emission Optimization: A Comprehensive Approach to Modelling and Optimization", in Springer Nature, (Vol. 215), on 17 March 2025.
10. Dr. Ashok R Banagar published a paper entitled "Experiential and Computational Validation of Bell Crank Lever Topology Optimization", in Journal of The Institution of Engineers (India): Series C on 01 July 2025.
11. Dr. Ashok R Banagar published a paper entitled "Studies on the Effect of Alkali Treatment on Sustainable Green Composites Reinforced with Cenosphere and Areca Fiber in the Polyester", in Journal of the Indian Academy of Wood Science, Volume 22, pages 227-242, on 24 May 2025.
12. Dr. Ashok R Banagar published a paper entitled "Surface Modification of Sustainable Bio-Derived Areca Sheath Fibers for Enhanced Mechanical and Thermal Properties in Epoxy-Based Biocomposites: Spectroscopic, Thermogravimetric, and crystallographic Insights", in Journal of Natural Fibers, 22:1, 2497914, on 15 May 2025.
13. Dr. Girisha L, Prof. Gowtam J. K., Dr. Ashok R. Banagar, and Mr. Koushik P. K. successfully completed a oneweek International Faculty Development Program on 'New Era of Manufacturing – Challenges and Opportunities,' jointly organized by D. Y. Patil College of Engineering and Technology, Kolhapur, and DICMAPI, University of Naples Federico II, Italy, from 10.03.2025 to 15.03.2025.
14. Dr. Manjunath Patel G C, Mrs. Ramya C R, Mr. Tharanatha H, Mr. Prasanna Nayak H, Mr. Praveena R and Mr. Ajey C P successfully completed One day Workshop on "Computational Fluid Dynamics and it's industrial Applications", organized by Department of Mathematics, PESITM, Shivamogga on 27.03.2025.

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Students Achievements/Participations

1. Mr. Abhishek P B, Mr. Achyuth A, Mr. Girish R, Mr. Dhanush Patil K S, Mr. Harshavardhanachari D and Tarun Kumar S S of 4 Semester Mechanical Engineering participated in State level Project Exhibition and Competition "SRISHTI" at Acharya Institute of Technology, Bengaluru from 23.05.2025 to 25.05.2025.

2. Mr. Anjan U K of 2nd Semester Mechanical Engineering student has secured First place in Solo Dance Competition in PRERANA-2025 held during May 2025.

3. Mr. Shreyas Shanbogh and Mr. Shriram P S, 2 Semester Mechanical Engineering Students secured First place in the event Isotrix held during "EMERGE-2025", A State level Technical Symposium conducted on 24.04.2025 by Jain Institute of technology, Davangere in association with ISTE Karnataka section.

4. Mr. Vinay G. K., Ms. Ashritha Amrutheswara Gowder, Mr. A. Aravind Reddy, and Mr. Punith Kumar B of 8 semester Mechanical Engineering students participated in the Manufacturing Technology Quiz Contest held during IMTEX 2025 on 26.01.2025 at BIEC, Bengaluru

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, dag-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



EDITORIAL TEAM (L to R)

- Mr. Harshavardhanachari D (4th Sem)
- Mr. Ajey C P (Asst. Prof.)
- Dr. Girisha L (Prof. & Head)
- Mr. Vinay G K (8th Sem)
- Mr. Yashas R (6th Sem)