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MALNAD COLLEGE OF ENGINEERING, Hassan

An Autonomous Institution under Visvesvaraya Technological University

NBA and **NAAC** accredited with **'A'** Grade | Recognized by **AICTE** and **UGC**

NEWSLETTER

July-December 2024

Department of Mechanical Engineering



Orientation for Mechanical Students

Orientation Programme for Mechanical Engineering students was held on 18th October. Former Principal Dr. C.V. Venkatesh was the chief guest for this Programme.

He said that, Mechanical and Civil engineering fields are relevant for all times. The contribution of these two sectors to the progress of the country is immense. Those who have studied mechanical engineering can make a career in all engineering fields.

Knowledge of Physics and Mathematics is essential for Mechanical Engineering. Students should give high priority to learning the basics. He opined that, no matter how much technology changes, knowledge of fundamentals cannot become irrelevant. He also spoke about outcome-based education.

Principal Dr. A. J. Krishnaiah said that, there is a high demand for mechanical engineers



today. Last year, more than 70% students who graduated in Mechanical Engineering from Malnad College of Engineering got job opportunities through campus placements.

Director Dr. S. Pradeep said that, this is the right time to study Mechanical Engineering, Manufacturing companies are looking for quality engineers.

Head of Mechanical Engineering Department Dr. Ezhil Vannan, Retired Professor Dr. H. V. Ramakrishna, students and staff were present.

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NEWSLETTER

July-December 2025

Edited & Designed by:
Sharath H K

Associate Editors
Hithashree H P & Rajendraprasad V M

Campus Placement



7th Semester Mechanical Engineering Students, Ranjan H R & Nandish U B are placed at ACE Designers Limited.



7th Semester Student Gururaj K (Mechanical Engineering) is placed at Bosch.



Peer Mentoring

Peer mentoring session was conducted on 23rd October for 3rd semester Mechanical Engineering students by Vinay H.R, 7th semester student and Preksha, 5th semester student.

They shared valuable insights on how to excel in academics and prepare study plan with their juniors. Mohammed Fahad Khan, 7th semester student, delivered an inspiring talk on startups and entrepreneurship.

Head of Mechanical Engineering Department, Dr. Ezhil Vannan spoke about the importance of peer mentoring.



Internship at MCF

7th Semester Mechanical Engineering students of our institute, Basavarajappa S P, Smruthi R, Vinay H R, and Vinay D V have successfully completed the "Internship Program" at Master Control Facility - Hassan.

The "Internship Program" comprised of lectures, demos, practical exposure to projects etc. Internship program was conducted from 1st to 17th September 2024.





Parent's Meeting of Mechanical Engineering Department was held on 13th July 2024. Head of the department Dr. Ezhil Vannan addressed the parents and informed them about internship, placement and other academic related matters. Coordinator of this event Dr. Madhu K S and faculty of the department were present during this occasion.



Prof. Sharfuddin Memorial Cash prize was presented by retired Professor Dr. H.V. Ramakrishna to Mechanical Engineering student, Vinay H R, for scoring highest marks in 'Mechanical Vibration' course during Orientation Programme for Mechanical Engineering students held on 18th October. Director Dr. S. Pradeep, Former Principal Dr. C.V. Venkatesh and Head of Mechanical Engineering Department Dr. Ezhil Vannan were present at this moment.



Prof. Niranjan Memorial Cash prize was presented to Electrical & Electronics Engineering student, Irengbam Thoithoi Meitei, for scoring highest marks in 'Computer Aided Engineering Drawing' course by retired Professor Dr. H.V. Ramakrishna during Orientation Programme for Mechanical Engineering students held on 18th October. Director Dr. S. Pradeep and Former Principal Dr. C.V. Venkatesh were present at this moment.

Training Programme for Mechanical Students



Department of Mechanical Engineering organized a training programme for Mechanical Engineering Students of our institute on the topic "Biomechanics, Mechatronics, AI and Soft Skills" on 18th October. A.H Sagar, Educationalist & Philosopher, was the resource person for this training programme.

He opined that many medical problems can be solved by the developments in the field of biomechanics. What students need is critical thinking and logical reasoning.

He advised the students to learn how to ask good questions.

Head of Mechanical Engineering Department Dr. Ezhil Vannan, faculty members and students were present.

Corporate consultant from Rasta Infotech Pvt. Ltd. Yatheesha R. B. addressed the students of Mechanical Engineering in an event held on July 3, 2024 and explained about the modules in SAP material management. This event was organized in the memory of Dr. Nagprasad, who worked as a faculty in Mechanical Engineering department of our institution.





Certification course on 'Robotics and IoT' was conducted for students of Mechanical Engineering department by "Seminar Room- an Ed-Tech company" from July 1st to 5th, 2024.

Department of Mechanical Engineering

Vision of The Department:

To emerge as department of high repute in Mechanical Engineering and allied fields through effective teaching, learning process and research activities, operating with a sense of professional and social responsibility.

Mission of The Department:

1. Empower students to scale high in their professional career through upskilling.
2. Effective association with higher institutes of learning, industry and research laboratories with emphasis on multi-disciplinary approach.
3. Encourage students to participate in sustainable projects.
4. Inculcate professional and ethical norms in all activities.

Program Educational Objectives:

PEO 1: Graduates will be able to apply engineering principles to develop products, processes or knowledge to solve mechanical and associated engineering problems for successful careers in mechanical engineering/higher education/research.

PEO 2: Graduates will acquire leadership qualities with strong communication skills along with professional and ethical values.

PEO 3: Graduates will be able to become entrepreneur / innovators to design and develop manufacturing systems and services to address social, technical and business challenges.

Research Accomplishments

Research article titled 'Effect of microwave hybrid heating on high temperature dry sliding wear behavior of Al2O3 reinforced WC–Co HVOF coating' written by the faculty members of Mechanical Engineering Department, Pradeep D. G., Sharath B. N. & Madhu K. S., along with another coauthor has been published in Welding in the World Journal. (Quartile: Q2)

To read the research article follow the link furnished below:

https://doi.org/10.1007/s40194-024-01852-z

Research article titled 'Mechanical Characterization and Water Absorption Behavior of Waste Coconut Leaf Stalk Fiber Reinforced Hybrid Polymer Composite: Impact of Chemical Treatment' written by faculty of Mechanical Engineering Department Sharath B. N, Madhu P and Yashas Gowda T. G got published in 'Applied Science and Engineering Progress' journal.

To read the research article follow the link furnished below:

https://ph02.tci-thaijo.org/index.php/ijast/article/view/254813

Review article titled 'A Review on the Potential Impact of Age Hardening on Aluminium Alloys and Hybrid Composites for Engineering Applications' written by faculty of Mechanical Engineering Department Dr. B N Sharath, Dr. D G Pradeep & Dr. K.S Madhu has got published in 'Progress in Engineering Science' journal.



Dr. Madhu P, Associate Dean (Research) of our institute, is selected as an Adjunct Professor under the Adjunct Professor Program of Brawijaya University, Indonesia.

He will work on a collaborative project titled "Modification of Petung Bamboo Fiber to Improve Composite Quality" along with Dr. Ir. Rudianto Raharjo, Faculty of Engineering, Brawijaya University. This research aims to enhance composite quality through the modification of bamboo fibers.

Faculty of Mechanical Engineering Department of our institute, Dr. Sharath B N, has been appointed to the Editorial Board of 'Discover Materials', a prestigious journal published by Springer Nature.

To read the review article follow the link furnished below:

https://www.sciencedirect.com/science/article/abs/pii/S2950425224000136

Research article titled 'Cardiovascular Disease Detection from Cardiac Arrhythmia ECG Signals using Artificial Intelligence Models with Hyperparameter Tuning Methodologies,' co-authored by the faculty of the Mechanical Engineering Department, Satish V. Talawar has been published in the esteemed journal Heliyon - Elsevier (Quartile: Q1, Impact Fac-

Research Accomplishments

tor: 3.4). Heliyon is indexed in PubMed, Scopus, and Web of Science™ Science Citation Index Expanded™ (SCIE).

To read the research article follow the link furnished below:

https://www.sciencedirect.com/science/article/pii/S240584402412782X

Research article titled "Isolation and extraction of microcellulose from Alpine galanga fiber", coauthored by faculty member of Mechanical Engineering Department, Dr. Madhu P, has been published in "Sustainable Chemistry and Pharmacy" Journal. (Quartile: Q1)

To read the research article, follow the link furnished below:

https://www.sciencedirect.com/science/article/abs/pii/S2352554124004042

Research article titled "Characterizing the effects of SiC and Al2O3 on the mechanical properties of Al6082 hybrid metal matrix composites: An experimental and neural network approach", coauthored by faculty members of Mechanical Engineering Department, Dr. Madhu P, Dr. Yashas Gowda T.G, Dr. Jeevan T.P and Dr. Sharath B.N, has been published in " Advances in Production Engineering & Management" Journal. (Quartile: Q2)

To read the research article, follow the link furnished below:

https://doi.org/10.14743/apem2024.2.507

Research article titled, "The Effect of Tertiary Ceramic Particle Reinforcement on the Mechanical Characteristics of Hybrid Composites Based on Al7029", written by the faculty of Mechanical Engineering Department, B.N. Sharath, was published in the 'Journal of Materials Engineering and Performance'. (Quartile: Q2)

To read the research article, follow the link below:

https://doi.org/10.1007/s11665-024-10220-3

Research article titled, "Development and Characterization of Al-SiC Metal Matrix Composites Through Microwave Processing and Extrusion", written by the research scholar Honnaiah C, faculty members of our institute Srinath M S, Shashank Lingappa M & Madhu Puttegowda, is published in the 'Applied Science & Engineering Progress' journal. (Quartile: Q2)

To read the research article, follow the link below:

https://ojs.kmutnb.ac.th/index.php/ijst/article/view/7652

Research article titled, "Defect Prediction on Aluminum-Stainless Steel Bimetallic Castings Using Non-destructive Testing with Machine Learning Algorithm", coauthored by the faculty member of Mechanical Engineering Department of our institute, Satish V. Talawar, is published in the 'Journal of Failure Analysis and Prevention'.

To read the research article, follow the link

Research Accomplishments

below:

https://link.springer.com/article/10.1007/s11668-024-02046-x

Research article titled, “Investigation on the wear characteristics of 3D printed graphene-reinforced PLA composites”, written by the research scholar Banupriya R, faculty members of Mechanical Engineering Department of our institute, Jeevan T P, Sharath B N & Divya H V, is published in the ‘Discover Materials' journal.

To read the research article, follow the link below:

https://link.springer.com/article/10.1007/s43939-024-00152-z

Research article titled, “Gamma radiation-induced degradation of mechanical properties in Carbon/Kevlar hybrid epoxy composites for aerospace applications”, written by the faculty members of our institute, B N Sharath, Yashas Gowda T G, Hemaraju B C & P Madhu, is published in the ‘Journal of Polymer Research'. (Quartile 2)

To read the research article, follow the link below:

https://link.springer.com/article/10.1007/s10965-024-04210-1

Research article titled, “On enhancing the high-temperature wear behaviour of Al2090-based hybrid composites using tertiary ceramic particles”, written by the faculty member of Mechanical Engineering Department of our institute, Sharath B N, along with other research collaborators is published in the ‘Journal of Materials: Design and Applications'. (Quartile 2)

To read the research article, follow the link below:

https://journals.sagepub.com/doi/epub/10.1177/14644207241304279

Research article titled, “Artificial intelligence and machine learning in mechanical engineering: Current trends and future prospects”, written by the faculty members of Mechanical Engineering Department of our institute, Madhu P & Sharath B N, is published in the ‘Engineering Applications of Artificial Intelligence' Journal. (Quartile 1)

To read the research article, follow the link below:

https://doi.org/10.1016/j.engappai.2024.109910

Research article titled ‘Detection of Alcoholic EEG signal using LASSO regression with metaheuristics algorithms based LSTM and enhanced artificial neural network classification algorithms,’ authored by the faculty of our institute Dr. Gowri Shankar M. and Satish V. Talawar along with other coauthors, has been published in the ‘Scientific Reports’ Journal, published by Springer Nature (Quartile: Q1, Impact Factor: 3.8). Scientific Reports is indexed in PubMed, Scopus, and Web of Science™ Science Citation Index Expanded™ (SCIE).

Research Accomplishments

Link:

https://www.nature.com/articles/s41598-024-72926-7

Research article titled 'Synergistic effects of sisal/glass fiber hybridization and eggshell powder filler on the performance of eco-friendly polymer composites' written by faculties of Physics Department and Mechanical Engineering Department of our institute, Priya H C, Dr. Hemaraju B C and Dr. Yashas Gowda T G along with other coauthors has been published in 'Polymer Composites' Journal. (Quartile: Q1, SCIE indexed with an Impact factor 4.8)

Link:

https://doi.org/10.1002/pc.29041

Research article titled 'Enhancing wear resistance, mechanical properties of composite materials through sisal and glass fiber reinforcement with epoxy resin and graphite filler' coauthored by the faculties of our institute Dr. Madhu P & Dr. Sharath B N has been published in the Journal of the Indian Chemical Society (SCIE indexed with an Impact factor 3.2).

Link:

https://www.sciencedirect.com/science/article/abs/pii/S0019452224002292

Review article titled '3D-printed graphene-reinforced composites: Opportunities and challenges' written by the research scholar of our institute R. Banupriya, faculties of Mechanical Engineering Department of our institute Dr. Jeevan T P, Dr. Divya H V and Dr. Yashas Gowda T G has been published in 'Polymer Composites' Journal (Q1 journal, SCIE indexed with an Impact factor 4.8).

Link:

https://doi.org/10.1002/pc.29068

Chapter titled 'Finite element analysis of polymeric materials in day-to-day applications' written by faculty members of Mechanical Engineering Department, Dr. Madhu P, Dr. Sharath B N, Dr. Yashas Gowda T G, & Dr. Jeevan T P, has been published in 'Finite Element Analysis of Polymers and Composites' book. This book is published by Woodhead Publishing.

To read the book chapter, follow the link furnished below:

https://doi.org/10.1016/B978-0-443-14087-7.00023-9

Chapter titled 'Comparative study of mechanical alloying and other conventional powder metallurgical methods' written by faculty of Mechanical Engineering Department Dr. Sharath B.N and Dr. Raghavendra Rao, got published in 'Mechanical Alloying of Ferrous and Non-Ferrous Alloys' book. This book is published by Elsevier.

To read the book chapter follow the link furnished below:

https://doi.org/10.1016/B978-0-443-16151-3.00004-X

Research Accomplishments

Chapter titled 'Introduction to bioimplants manufacturing' written by faculty of Mechanical Engineering Department Dr. Sharath B.N and Dr. Jeevan T.P, got published in 'Bioimplants Manufacturing: Fundamentals and Advances' book. This book is published by CRC Press -Taylor & Francis.

To read the book chapter follow the link furnished below:

https://books.google.co.in/books?id=cnESEQAAQBAJ&lpg=PA1&ots=laFLDzS47g&dq=info%3AfQ-qXhSN6SYJ%3Ascholar.google.com&lr&pg=PA1#v=onepage&q&f=false

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Research article titled 'Cardiovascular Disease Detection from Cardiac Arrhythmia ECG Signals using Artificial Intelligence Models with Hyperparameter Tuning Methodologies,' co-authored by the faculty of the Mechanical Engineering Department, Satish V. Talawar has been published in the esteemed journal Heliyon - Elsevier (Quartile: Q1, Impact Factor: 3.4). Heliyon is indexed in PubMed, Scopus, and Web of Science™ Science Citation Index Expanded™ (SCIE).

To read the research article follow the link furnished below:

https://www.sciencedirect.com/science/article/pii/S240584402412782X

Chapter titled "An Introduction to Metal Matrix Composites and their Applications" written by faculty members of Mechanical Engineering Department, K.S. Madhu, B.N. Sharath, D.G. Pradeep, Madhu Puttegowda, Yashas Gowda T.G., B.G. Premkumar, and R. Raghavendra Rao., is published in 'Applications of Composite Materials in Engineering' book. This book is published by Elsevier under the Woodhead Series in Materials.

To read the book chapter, follow the link furnished below:

https://doi.org/10.1016/B978-0-443-13989-5.00002-4

Chapter titled "Application of Microwaves in Development of Metal Matrix Composites" written by faculty member of Mechanical Engineering Department, M. Shashank Lingappa, is published in 'Composite Materials Processing Using Microwave Heating Technology' book. This book is published by Springer Nature.

To read the book chapter, follow the link furnished below:

https://doi.org/10.1007/978-981-97-2772-8_10

Three Chapters titled "Consolidation of Lightweight Alloy Powders: Overcoming the Problems During Pressing and Sintering of Low-Dense Alloy Powders like Aluminium, Magnesium, Titanium, and Beryllium Alloys", "Energy Storage Applications of Mechanically Alloyed Materials Supercapacitors, Battery Applications" & "Fabrication of Intermetallic Alloys" written by faculty members of Mechanical Engineering Department of our institute, R. Raghavendra Rao, B. N. Sharath & S. Pradeep, along with other coauthors were

Research Accomplishments

published in 'Mechanically Alloyed Novel Materials' book. This book was published by Springer Nature.

To read the book chapters, follow the links furnished below:

https://link.springer.com/chapter/10.1007/978-981-97-6504-1_8

https://link.springer.com/chapter/10.1007/978-981-97-6504-1_17

https://link.springer.com/chapter/10.1007/978-981-97-6504-1_14

Book Chapters written by the faculty members of Mechanical Engineering Department of our institute along with other coauthors are published in 'Applications of Composite Materials in Engineering' book. This book is published by Elsevier under the Woodhead Series in Materials.

To read the book chapters, follow the links furnished below:

An introduction to polymer matrix composites and their applications

https://doi.org/10.1016/B978-0-443-13989-5.00001-2

An introduction to metal matrix composites and their applications

https://doi.org/10.1016/B978-0-443-13989-5.00002-4

Evolution and Recent Advancements of Composite Materials in Rapid Prototyping

https://doi.org/10.1016/B978-0-443-13989-5.00007-3

Prospects of synthetic fiber-reinforced polymer composites in engineering and commercial applications

https://doi.org/10.1016/B978-0-443-13989-5.00015-2

Book titled "Applications of Composite Materials in Engineering" edited by faculty members of Mechanical Engineering Department of our institute Dr. Madhu P and Dr. Yashas Gowda T G along with other research collaborators, was published by Elsevier under the Woodhead Series in Materials.

The book is available for purchase at this link:

https://www.sciencedirect.com/book/9780443139895/applications-of-composite-materials-in-engineering

Patent application filed by faculties of our institute, Dr. Madhu P, Dr. Sharath B N, Premkumar B G, Dr. Madhu K S, Dr. Jeevan T P, Dr. Hemanth T S and Dr. Pradeep D G along with Dr. Karthik S has been published in 'The Patent Office Journal No. 31/2024 Dated 02/08/2024'. Title of the invention is 'Eco-Friendly Venturimeter: Chemically Treated Coir Fiber Reinforced Bio-Pla Composite Via 3D Printing'.

Patent application filed by faculties of our institute, Dr. Yashas Gowda T G, Dr. Jeevan T P, Dr. Hemaraju B C and Dr. Pradeep Kumar C B has been published in 'The Patent Office Journal No. 36/2024 Dated 06/09/2024'. Title of the invention is 'High- Performance Biodegradable Polymer Composites for Structural Applications'.

Research Accomplishments

Faculty of Mechanical Engineering Department of our institute, Dr. Sharath B N, has been appointed to the Editorial Board of 'Discover Mechanical Engineering', a prestigious journal published by Springer Nature.

Dr. Yashas Gowda T G, Assistant Professor in Mechanical Engineering Department of our institution has reached 2,500 citations on Google Scholar.

Design patent has been granted to faculty of our institution Dr. Sharath B N, Dr. Pradeep D G, Dr. Ashrith H S, Dr. Jeevan T P, Dr. Divya H V & Dr. Hemanth T S for the design titled Sleek Non-destructive Material Testing Tool'.

Design titled 'Auto Floor Cleaning and Mopping Device' has been registered in the name of students and faculty members of the Mechanical Engineering Department of our institute under the Designs Act, 2000.

The contributors to this innovative design are:

Undergraduate Students: Vinay D V, Chethan H M, Amar N B & Darshan L R

Faculty Members: Dr. Madhu P,

Dr. Sharath B N & Premkumar B G

Patent application filed by the students of Mechanical Engineering department, Sangam, Nithish Kumar B, Girish M R & Prajwal M, along with the faculty members Gowri Shankar Manivannan, Dr. Satish V Talawar & Dr. Vasundhara M G has been published in 'The Patent Office Journal No. 51/ 2024 Dated 20/12/2024'. Title of the invention is 'Efficient Obstacle Detection and Avoidance in Autonomous Robots using Advanced Intelligent Techniques and LiDAR'.



Final year Mechanical Engineering students of our institute, Hemanth Urs H R, Tejaswini H U, Tharun Gowda G L and Yashwanth H D have successfully completed their internship at Techno Wild India, located within the Technology Business Incubator (TBI) at Bannari Amman Institute of Technology, Sathyamangalam, Tamilnadu, from 4-11-2024 to 9-11-2024.

Their internship project titled "Design and Performance Analysis of Acoustic Fence for Object Movement Detection" involved innovative research and hands-on experience in designing an acoustic fence to detect object movements.

Newspaper Reports

ಮೂಲ ವಿಜ್ಞಾನಕ್ಕೆ ಅವಲಂಬನೆ

ಸಂ.ಕ.ಸಮಾಚಾರ, ಹಾಸನ

ಮೂಲ ವಿಜ್ಞಾನದ ಮೇಲೆ ಎಂಜಿನಿಯರಿಂಗ್ ಕ್ಷೇತ್ರ ಹೆಚ್ಚು ಅವಲಂಭಿತವಾಗಿದೆ ಎಂದು ಶಿಕ್ಷಣ ತಜ್ಞ ಎ.ಎಚ್. ಸಾಗರ್ ತಿಳಿಸಿದರು.

ನಗರದ ಮಲೆನಾಡು ತಾಂತ್ರಿಕ ಮಹಾವಿದ್ಯಾಲಯದ ಮೆಕ್ಯಾನಿಕಲ್ ಎಂಜಿನಿಯರಿಂಗ್ ವಿಭಾಗದಿಂದ ಆಯೋಜಿಸಿದ್ದ 'ಬಯೋಮೆಕ್ಯಾನಿಕ್ಸ್, ಮೆಕಟ್ರಾನಿಕ್ಸ್ ಮತ್ತು ಸಾಫ್ಟ್ ಸ್ಕಿಲ್ಸ್' ವಿಷಯದ ಕುರಿತ ವಿಶೇಷ ಉಪನ್ಯಾಸ ಕಾರ್ಯಕ್ರಮದಲ್ಲಿ ಅವರು ಮಾತನಾಡಿದರು. ಬಯೋಮೆಕ್ಯಾನಿಕ್ಸ್ ಕ್ಷೇತ್ರದಲ್ಲಿನ ಬೆಳವಣಿಗೆಗಳಿಂದ ಸಾಕಷ್ಟು ವೈದ್ಯಕೀಯ ಸಮಸ್ಯೆಗಳಿಗೆ ಪರಿಹಾರ ಕಂಡುಕೊಳ್ಳಬಹುದು ಎಂದು ಅಭಿಪ್ರಾಯಪಟ್ಟರು.

ನಮ್ಮ ಶಿಕ್ಷಣ ವ್ಯವಸ್ಥೆ ಮಕ್ಕಳಲ್ಲಿನ ಸೃಜನಶೀಲತೆ ಮತ್ತು ಸ್ವಂತಿಕೆಯನ್ನು ಕಿತ್ತೊಗೆಯುತ್ತಿದೆ. ಪರೀಕ್ಷೆಗೆ ಅದ್ಯತೆ ನೀಡಲಾಗುತ್ತಿದೆಯೇ ಹೊರತು, ಉದ್ಯೋಗ ಮತ್ತು ಜೀವನ ನಿರ್ವಹಣೆಗೆ ಅಗತ್ಯವಿರುವ ಕೌಶಲಗಳನ್ನು ಕಲಿಸಲಾಗುತ್ತಿಲ್ಲ ಎಂದು ಅವರು ವಿಷಾದಿಸಿದರು. ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ಬೇಕಿರುವುದು ವಿಮರ್ಶಾತ್ಮಕ ಮತ್ತು ತರ್ಕಬದ್ಧ ಚಿಂತನೆ. ಒಳ್ಳೆಯ ಪ್ರಶ್ನೆ ಕೇಳುವುದು ಹೇಗೆ ಎಂಬುದನ್ನು ಕಲಿಯಬೇಕು ಎಂದು ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ಸಲಹೆ ನೀಡಿದರು. ಈ ಸಂದರ್ಭ ಮೆಕ್ಯಾನಿಕಲ್ ಎಂಜಿನಿಯರಿಂಗ್ ವಿಭಾಗದ ಮುಖ್ಯಸ್ಥ ಡಾ. ಎಜಿಲ್ ವರ್ಣನ್, ಅಧ್ಯಾಪಕರು ಹಾಗೂ ವಿದ್ಯಾರ್ಥಿಗಳು ಉಪಸ್ಥಿತರಿದ್ದರು.



ಮಲೆನಾಡು ತಾಂತ್ರಿಕ ಮಹಾವಿದ್ಯಾಲಯದ ಮೆಕ್ಯಾನಿಕಲ್ ಎಂಜಿನಿಯರಿಂಗ್ ವಿಭಾಗದಿಂದ ವಿಶೇಷ ಉಪನ್ಯಾಸ ಕಾರ್ಯಕ್ರಮ ನಡೆಯಿತು.

News published in 'Samyukta Karnataka' newspaper on 25/10/2024 about a training programme organized for Mechanical Engineering Students of our institute.

ವಿಜ್ಞಾನಿಗಳ ಪಟ್ಟಿಯಲ್ಲಿ ಎಂಸಿಇ ಪ್ರಾಧ್ಯಾಪಕರು

ಸಂ.ಕ ಸಮಾಚಾರ, ಹಾಸನ





ನಗರದ ಮಲೆನಾಡು ತಾಂತ್ರಿಕ ಮಹಾವಿದ್ಯಾಲಯದ ಸಂಶೋಧನೆ ವಿಷಯಗಳಿಗೆ ಸಂಬಂಧಿಸಿದ ಅಸೋಸಿಯೇಟ್ ಡೀನ್ ಡಾ. ಮಧು ಪಿ ಹಾಗೂ ಮೆಕ್ಯಾನಿಕಲ್ ಎಂಜಿನಿಯರಿಂಗ್ ವಿಭಾಗದ ಸಹಾಯಕ ಪ್ರಾಧ್ಯಾಪಕ ಡಾ. ಯಶಸ್‌ಗೌಡ ಟಿ.ಜಿ. ಅವರು, ಅಮೆರಿಕಾದ ಸ್ಪ್ರಿಂಗರ್ ನೇಚರ್ ವಿಶ್ವವಿದ್ಯಾಲಯ ಹಾಗೂ ನೆದರ್‌ಲ್ಯಾಂಡ್ ಮೂಲದ ಪ್ರಕಾಶನ ಸಂಸ್ಥೆ ಎಲ್‌ಪಿಯರ್ ಹೊರತರುವ ವಿಶ್ವದ ಅಗ್ರ 2ಪ್ರತಿಶತ ವಿಜ್ಞಾನಿಗಳ ಪಟ್ಟಿಯ ಮೆಟೀರಿಯಲ್ ವಿಭಾಗದಲ್ಲಿ ಸ್ಥಾನ ಪಡೆದಿದ್ದಾರೆ.

ಕಾಂಪೋಸಿಟ್ಸ್ ಕ್ಷೇತ್ರದಲ್ಲಿ ಸಂಶೋಧನೆ ನಡೆಸುತ್ತಿರುವ ಡಾ. ಮಧು ಪಿ ಅವರ 80ಕ್ಕೂ ಹೆಚ್ಚು ಸಂಶೋಧನಾ ಪ್ರಬಂಧಗಳು ಅಂತಾರಾಷ್ಟ್ರೀಯ ಮನ್ನಣೆ ಪಡೆದ ಸಂಶೋಧನಾ ಪತ್ರಿಕೆಗಳಲ್ಲಿ ಪ್ರಕಟಗೊಂಡಿವೆ.

ಸಂಪಾದಕರಾಗಿ ತಮ್ಮ ಸಂಶೋಧನಾ ಕ್ಷೇತ್ರಕ್ಕೆ ಸಂಬಂಧಿಸಿದ 3 ಪುಸ್ತಕಗಳನ್ನು ರೂಪಿಸಿದ್ದಾರೆ. ವಿಶ್ವದ ಅಗ್ರ 2 ಪ್ರತಿಶತ ವಿಜ್ಞಾನಿಗಳ ಪಟ್ಟಿಯಲ್ಲಿ ಕಳೆದ ಮೂರು ವರ್ಷಗಳಿಂದ ಸತತವಾಗಿ ಸ್ಥಾನ ಪಡೆಯುತ್ತಿದ್ದಾರೆ.

ಥೈಲ್ಯಾಂಡ್‌ನ ಕಿಂಗ್ ಮಾಂಗ್‌ಕುಟ್ಸ್ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯದಿಂದ ಪಿಎಚ್.ಡಿ ಪದವಿ ಪಡೆದಿರುವ ಡಾ.ಯಶಸ್‌ಗೌಡ ಟಿ ಜಿ ಅವರು, ಖಾಲಿಮರ್ ಕಾಂಪೋಸಿಟ್ಸ್ ಕ್ಷೇತ್ರದಲ್ಲಿ ಸಂಶೋಧನೆ ನಡೆಸುತ್ತಿದ್ದಾರೆ. ಇವರ 30ಕ್ಕೂ ಹೆಚ್ಚು ಸಂಶೋಧನಾ ಪ್ರಬಂಧಗಳು ಅಂತಾರಾಷ್ಟ್ರೀಯ ಮನ್ನಣೆ ಪಡೆದ ಸಂಶೋಧನಾ ಪತ್ರಿಕೆಗಳಲ್ಲಿ ಪ್ರಕಟಗೊಂಡಿವೆ.

ಸಂಪಾದಕರಾಗಿ ತಮ್ಮ ಸಂಶೋಧನಾಕ್ಷೇತ್ರಕ್ಕೆ ಸಂಬಂಧಿಸಿದ 2 ಪುಸ್ತಕಗಳನ್ನು ರೂಪಿಸಿದ್ದಾರೆ.

ವಿಶ್ವದ ಅಗ್ರ 2 ಪ್ರತಿಶತ ವಿಜ್ಞಾನಿಗಳ ಪಟ್ಟಿಯಲ್ಲಿ ಕಳೆದ ಎರಡು ವರ್ಷಗಳಿಂದ ಸತತವಾಗಿ ಸ್ಥಾನ ಪಡೆಯುತ್ತಿದ್ದಾರೆ. ಇವರು ತಮ್ಮ ಹೆಸರಿನಲ್ಲಿ ಒಂದು ಪೇಟೆಂಟ್ ಹೊಂದಿದ್ದಾರೆ.

News published in 'Samyuktakarnataka' newspaper on 19/09/2024 about faculties of our institute securing place in top 2% scientists list.

ಆಸಕ್ತಿದಾಯಕ ಕ್ಷೇತ್ರ ಆಯ್ದುಕೊಳ್ಳಿ: ವೆಂಕಟೇಶ್



ಹಾಸನ: ವಿದ್ಯಾರ್ಥಿಗಳು ಬೇರೆಯವರನ್ನು ಅನುಕರಿಸಲು ಹೋಗದೆ ಆಸಕ್ತಿಗೆ ಅನು ಗುಣವಾದ ಕ್ಷೇತ್ರ ಆಯ್ಕೆಮಾಡಿಕೊಳ್ಳುವುದು ಸೂಕ್ತ ಎಂದು ಮಲೆನಾಡು ತಾಂತ್ರಿಕ ಮಹಾವಿದ್ಯಾಲಯದ ನಿವೃತ್ತ ಪ್ರಾಂಶುಪಾಲ ಡಾ.ಸಿ.ವಿ ವೆಂಕಟೇಶ್ ಅವರು ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ಸಲಹೆ ನೀಡಿದರು. ನಗರದ ಮಲೆನಾಡು ತಾಂತ್ರಿಕ ಮಹಾವಿದ್ಯಾಲಯದ ಮೆಕ್ಯಾನಿಕಲ್ ಎಂಜಿನಿಯರಿಂಗ್ ವಿಭಾಗದ ವತಿಯಿಂದ ಆಯೋಜಿಸಿದ್ದ ಓರಿಯಂಟೇಶನ್ ಕಾರ್ಯಕ್ರಮದಲ್ಲಿ ಮಾತನಾಡಿ, ಇಂದು ಎಲ್ಲಾ ಮಾಹಿತಿಯೂ ಬೆರಳತುದಿಯಲ್ಲಿ ಲಭ್ಯವಿದೆ. ಅದನ್ನು ಸದ್ಬಳಕೆ ಮಾಡಿಕೊಳ್ಳುವುದು ಆತ್ಮ ಗತ್ಯ. ಸಣ್ಣ ಕಂಪನಿಗಳಲ್ಲಿ ಉದ್ಯೋಗಕ್ಕೆ ಸೇರಿದರೆ ಕಲಿಯಲು ಹೆಚ್ಚಿನ ಅವಕಾಶ ದೊರೆಯಲಿದೆ ಎಂದು ಹೇಳಿದರು. ಮೆಕ್ಯಾನಿಕಲ್ ಮತ್ತು ಸಿವಿಲ್ ಎಂಜಿನಿಯರಿಂಗ್ ಕ್ಷೇತ್ರಗಳು ಎಲ್ಲಾ ಕಾಲಕ್ಕೂ ಪ್ರಸ್ತುತ. ದೇಶದ ಪ್ರಗತಿಗೆ ಈ ಎರಡು ಕ್ಷೇತ್ರಗಳ ಕೊಡುಗೆ ಅಪಾರ. ಮೆಕ್ಯಾನಿಕಲ್ ಎಂಜಿನಿಯರಿಂಗ್ ಓದಿದವರು ಎಲ್ಲಾ ಎಂಜಿನಿಯರಿಂಗ್ ಕ್ಷೇತ್ರಗಳಲ್ಲೂ ವೃತ್ತಿ ಬದುಕು ರೂಪಿಸಿಕೊಳ್ಳಬಹುದು ಎಂದು ತಿಳಿಸಿದರು.

ಮೆಕ್ಯಾನಿಕಲ್ ಎಂಜಿನಿಯರಿಂಗ್‌ಗೆ ಭೌತಶಾಸ್ತ್ರ ಮತ್ತು ಗಣಿತಶಾಸ್ತ್ರದ ವಿಷಯ ಆತ್ಮ ಗತ್ಯ. ವಿದ್ಯಾರ್ಥಿಗಳು ಮೂಲತತ್ವಗಳನ್ನು ಕಲಿಯಲು ಹೆಚ್ಚಿನ ಆದ್ಯತೆ ನೀಡಬೇಕು. ತಂತ್ರಜ್ಞಾನಗಳಲ್ಲಿ ಎಷ್ಟೇ ಬದಲಾವಣೆಗಳಾದರೂ ಮೂಲ ತತ್ವಗಳ ಕುರಿತ ಜ್ಞಾನ ಅವಶ್ಯಕತವಾಗಿರುತ್ತದೆ ಎಂದು ಅಭಿಪ್ರಾಯಪಟ್ಟರು.

ಪ್ರಾಂಶುಪಾಲ ಡಾ.ಎ.ಜೆ.ಕೃಷ್ಣಯ್ಯ ಮಾತನಾಡಿ, ಇಂದು ಮೆಕ್ಯಾನಿಕಲ್ ಎಂಜಿನಿಯರ್‌ಗಳಿಗೆ ಹೆಚ್ಚಿನ ಬೇಡಿಕೆ ಇದೆ. ಕಳೆದ ವರ್ಷ ಮಲೆನಾಡು ಎಂಜಿನಿಯರಿಂಗ್ ಕಾಲೇಜಿನಲ್ಲಿ ಮೆಕ್ಯಾನಿಕಲ್ ಎಂಜಿನಿಯರಿಂಗ್ ಪದವಿ ಮುಗಿಸಿದ ಶೇ.70ಕ್ಕಿಂತ ಹೆಚ್ಚು ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ಕ್ಯಾಂಪಸ್ ಸಂದರ್ಶನದ ಮೂಲಕ ಉದ್ಯೋಗಾವಕಾಶಗಳು ದೊರೆತಿವೆ. ಮೆಕ್ಯಾನಿಕಲ್ ಎಂಜಿನಿಯರಿಂಗ್ ವಿದ್ಯಾರ್ಥಿ ಗಳಿಗೆ ಉಜ್ವಲ ಭವಿಷ್ಯವಿದೆ ಎಂದರು.

ನಿರ್ದೇಶಕ ಡಾ.ಎಸ್.ವಿದ್ಯಾ ಮಾತನಾಡಿ, ಮೆಕ್ಯಾನಿಕಲ್ ಎಂಜಿನಿಯರಿಂಗ್ ಓದಲು ಇದು ಸೂಕ್ತ ಸಮಯ. ಉತ್ಪಾದನಾ ಕಂಪನಿಗಳು ಗುಣಮಟ್ಟದ ಎಂಜಿನಿಯರ್‌ಗಳ ಅನ್ವೇಷಣೆಯಲ್ಲಿವೆ ಎಂದರು. ಮೆಕ್ಯಾನಿಕಲ್ ಎಂಜಿನಿಯರಿಂಗ್ ವಿಭಾಗದ ಮುಖ್ಯಸ್ಥ ಡಾ.ಎಜಿಲ್ ವರ್ಣನ್, ಸಿವ್ಯತ್ರ ಪ್ರಾಧ್ಯಾಪಕ ಡಾ. ಎಚ್.ರಾಮಕೃಷ್ಣ ವಿದ್ಯಾರ್ಥಿಗಳು, ಸಿಬ್ಬಂದಿ ಇದ್ದರು.

News published in 'Udayavani' newspaper on 19/10/2024 about Orientation Programme for Mechanical Engineering students.

ಸತ್ಯ ತಿಳಿಸುವ ಹೊಣೆಗಾರಿಕೆ ಶಿಕ್ಷಕರದು

ಸಂ.ಕ ಸಮಾಚಾರ, ಹಾಸನ

ಮಕ್ಕಳಿಗೆ ಸತ್ಯ ತಿಳಿಸಿಕೊಡಬೇಕಾದ ಹೊಣೆಗಾರಿಕೆ ಹೊರಬಿದ್ದಿರುವ ಶಿಕ್ಷಕರೇ, ಇಂದು ತಪ್ಪು ಮಾಹಿತಿಯನ್ನು ಸತ್ಯವೆಂದು ಭಾವಿಸಿ ಸುಳ್ಳು ಹರಡುವ ಸಾಧ್ಯತೆ ಹೆಚ್ಚಿದೆ ಎಂದು ಶಿಕ್ಷಣ ತಜ್ಞ ಎ.ಎಚ್. ಸಾಗರ್ ವಿಷಾದಿಸಿದರು.

ನಗರದ ಮಲೆನಾಡು ತಾಂತ್ರಿಕ ಮಹಾವಿದ್ಯಾಲಯದ ಮೆಕ್ಯಾನಿಕಲ್ ಮತ್ತು ಸಿವಿಲ್ ಎಂಜಿನಿಯರಿಂಗ್ ವಿಭಾಗಗಳ ವತಿಯಿಂದ ಆಯೋಜಿಸಿದ್ದ ತರಬೇತಿ ಕಾರ್ಯಾಗಾರದಲ್ಲಿ ಮಾತನಾಡಿದ ಅವರು, ಪ್ರತಿನಿತ್ಯ ಮನೋಭಾವ ಕಮ್ಮಲ್ಲಿ ಮೈಗೂಡಿದ ನೋಡಲ್ಲಿ ಅವಾಸ್ತವಿಕ ಆಂಶಗಳನ್ನೇ ನಿಜವೆಂದು ನಂಬುತ್ತಿರುವುದು ಕಂಡುಬರುತ್ತಿದೆ.

ಮಕ್ಕಳಲ್ಲಿ ಪ್ರತಿನಿತ್ಯ ಮನೋಭಾವ ಮೈಗೂಡಿಸುವುದು ಶಿಕ್ಷಕರು ಮತ್ತು ಪೋಷಕರಿಗೆ ಅದ್ಯತೆಯಾಗಬೇಕು ಎಂದು ಅಭಿಪ್ರಾಯಪಟ್ಟ ಅವರು, ಬಾವುಲಿಗಳಿಗೆ ಹಗಲು ಬೆಳಕು ಕಣ್ಣು ಕಾಣುವುದಿಲ್ಲ. ಕೆಂಪು ಬಣ್ಣ ಕಂಡರೆ ಗೂಳಿ ರೋಷಗೊಳ್ಳುತ್ತದೆ ಎಂಬುದೆಲ್ಲ ಸುಳ್ಳು ಅದರಂತೆ ಎಷ್ಟೋ ಜನ ಇವುಗಳನ್ನೆಲ್ಲ ಸತ್ಯವೆಂದೇ ನಂಬಿದ್ದಾರೆ ಎಂದು ವಿಷಾದ ವ್ಯಕ್ತಪಡಿಸಿದರು. ಸಾಮಾಜಿಕ ಆಗುಹೋಗುಗಳನ್ನು ಹೊಸ ದೃಷ್ಟಿಕೋನದಿಂದ ವಿಶ್ಲೇಷಿಸುವ ಸಾಮರ್ಥ್ಯ ಶಿಕ್ಷಕರಲ್ಲಿ ಇರಬೇಕಿದ್ದರೆ, ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ಕಲಿಸಲು ಹೇಗೆ ಸಾಧ್ಯ ಎಂದು ಪ್ರಶ್ನಿಸಿದರು.

ನಮ್ಮಲ್ಲಿ ಮಾರುಷ ಪ್ರಭಾವ ಸಮಾಜ, ಮಹಿಳಾ ಮೀಸಲಾತಿ ಜಾರಿಗೆ ತಂದಿದ್ದರೂ ಇನ್ನೂ ನಮ್ಮಲ್ಲಿನ ಸಂಕುಚಿತ ಮನೋಭಾವ ಬದಲಾಗಿಲ್ಲ. ಇದರೊಂದಿಗೆ ಸಮಾಜದಲ್ಲಿ ಪಾಳೇಗಾರಿಕೆ ಮನೋಭಾವವೂ ಬೇರೂರಿದೆ. ಶಿಕ್ಷಕರು ಈ ಎಲ್ಲ ಸಂಕುಚಿತ ಮನೋಭಾವಗಳನ್ನು ಮೀರಿ, ವಿದ್ಯಾರ್ಥಿಗಳಲ್ಲಿ ಸಮಾನತೆ, ಭ್ರಾತೃತ್ವದ ಮೌಲ್ಯಗಳನ್ನು ಬಿತ್ತಬೇಕು ಎಂದು ತಿಳಿಸಿದರು.



ಹಾಸನ ಮಲೆನಾಡು ತಾಂತ್ರಿಕ ಮಹಾವಿದ್ಯಾಲಯದ ಮೆಕ್ಯಾನಿಕಲ್ ಮತ್ತು ಸಿವಿಲ್ ಎಂಜಿನಿಯರಿಂಗ್ ವಿಭಾಗಗಳ ವತಿಯಿಂದ ತರಬೇತಿ ಕಾರ್ಯಾಗಾರ ನಡೆಸಲಾಯಿತು.

ಪ್ರಾಂಶುಪಾಲ ಡಾ.ಎ.ಜೆ.ಕೃಷ್ಣಯ್ಯ ಮಾತನಾಡಿ, ಹೊಸ ತಂತ್ರಜ್ಞಾನಗಳನ್ನು ಪರಿಣಾಮಕಾರಿಯಾಗಿ ಬಳಸಿಕೊಂಡು ಅಧ್ಯಾಪಕರು ಬೋಧನೆ ಮಾಡುವುದು ಸೂಕ್ತವೆಂದು ತಿಳಿಸಿದರು

ಮಲೆನಾಡು ತಾಂತ್ರಿಕ ಮಹಾವಿದ್ಯಾಲಯದ ನಿರ್ದೇಶಕ ಡಾ.ಎಸ್.ವಿದ್ಯಾ, ಕಾರ್ಯಕ್ರಮದ ಸಂಯೋಜಕ ಡಾ. ಎಜಿಲ್ ವರ್ಣನ್ ಹಾಗೂ ಡಾ. ನೀಲಕಂಠ ಕುಮಾರ್ ಚನ್ನಾಗಿ, ಮಲೆನಾಡು ತಾಂತ್ರಿಕ ಶಿಕ್ಷಣ ಸಮಿತಿ ನಿರ್ದೇಶಕ ಚೌಡುವಳ್ಳಿ ಜಗದೀಶ್ ಉಪಸ್ಥಿತರಿದ್ದರು.

News published in 'Samyuktakarnataka' newspaper on 22/09/2024 about a One Day Training Programme organized at our institute.

Faculty Members in Top 2% Scientists List

Dr. Madhu P, Associate Dean (Research) and Dr. Yashas Gowda T G, Assistant Professor, Department of Mechanical Engineering have secured place in most cited top 2% scientists list consecutively for third and second time respectively. This list has been prepared by Elsevier.



One Day Training Programme



Departments of Mechanical Engineering and Civil Engineering jointly organized a One Day Training Programme on "Scaling New Heights: A Comprehensive Training Programme to Enhance Overall Institutional Diligence" on 20th September at the Alumni Hall for the faculty members and non-teaching staff of our institute. A.H Sagar, Educationalist & Philosopher was the resource person for this programme.

Speaking at a training programme, A.H Sagar said, "If the spirit of questioning is not inculcated in us, we will continue to believe in unrealistic things." He opined that inculcating the spirit of questioning in children should be a priority for teachers and parents. It is a lie that Bats can't see during the day, Bulls get angry if they see red. However, he regretted that so many people believed all these to be true.

Principal Dr. A.J. Krishnaiah, Director Dr. S. Pradeep, Coordinator of the programme and Head of Mechanical Engineering Department Dr. Ezhil Vannan, Coordinator of the programme and Head of Civil Engineering Department Dr. Mohan Kumar Chavan, C.R. Jagadeesh, faculty and staff were present during the inauguration of the training programme.

Faculty Participated in Lean Manufacturing Practices Conclave



Faculty members of Mechanical Engineering Department of our institute Dr. Jeevan T P, Dr. Divya H V, Dr. Raghavendra Rao R & Sharath H K, participated in Lean Manufacturing Practices Conclave organized by Mizuho India Japan Study Centre (MIJSC) at Indian Institute of Management Bangalore from 15th to 17th November 2024.

This conclave consisted of Industrial visits and lectures from faculty members of IIMB & Industry experts. Five faculty members of our institute are currently undergoing Foundations course on Lean Manufacturing Practices offered by MIJSC, IIMB. This conclave was held as a part of this course.

Mechanical Engineering Students of 2020-2024 batch, Anil S Naik, Suprith K & Amith N have successfully completed the Project on "Characterization of Press Tool to Achieve Target Dimension in Insert Manufacturing" in Kennametal India Limited from 05th February to 04th May 2024 under the guidance of Yamini Kandoi, Executive, Manufacturing, Bharath Kumar, Lead Executive, Material sciences, Kennametal India Limited & Dr. Yashas Gowda T G, Assistant Professor, Malnad College of Engineering.



7th Semester student of Mechanical Engineering, Vinay D V received 'Mr. Dinakar A Scholarship' from A S Kiran Kumar, Former Chairman, ISRO for securing highest marks in courses related to Metallurgy & Materials. Dr. Karisiddappa, Former Vice Chancellor, VTU was present during this occasion. This scholarship was presented during Orientation Day programme held on 23rd September at our institute.

PROGRAM OUTCOMES [POs]:

Mechanical Engineering students shall be able to,

PO1:	**Engineering knowledge**: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
PO2:	**Problem analysis**: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
PO3:	**Design/development of solutions**: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
PO4:	**Conduct investigations of complex problems**: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
PO5:	**Modern tool usage**: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.
PO6:	**The engineer and society**: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
PO7:	**Environment and sustainability**: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
PO8:	**Ethics**: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
PO9:	**Individual and teamwork**: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
PO10:	**Communication**: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
PO11:	**Project management and finance**: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
PO12:	**Life-long learning**: Recognize the need for and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

PROGRAM SPECIFIC OUTCOMES [PSOs]

PSO1:	Apply the knowledge of design engineering skills to manufacture an engineering mechanical system.
PSO2:	Model, simulate, analyze and optimize mechanical systems / processes through application of software.





Glimpses of branch sports organized by the department of Mechanical Engineering on 13th & 14th of December 2024.

