

Madanapalle Institute of Technology & Science

(UGC Autonomus Institution)

Angallu (V), Madanapalle-517325

Annamayya District, Andhra Pradesh, India

Department of Mechanical Engineering



NEWSLETTER

October 2024 - December 2024





About the Department

The Department of Mechanical Engineering was established at the inception of the college. The department offers UG programme with intake of 60 students. The UG course in the department has been accredited by NBA under Tier-I criteria. The course offers a deep insight into the discipline and empowers promising engineers with required skills for a successful career in Mechanical Engineering. The department has excellent infrastructure and is well equipped with modern laboratories. The Department has highly qualified, experienced, dedicated and motivated faculty with industry and research background.

Vision

“To be a Centre of Excellence in the field of Mechanical Engineering to generate quality human resource in mechanical engineering who can contribute constructively to the technological and socio-economic development of the Nation.”

Mission

M1: To provide Globally competent Mechanical Engineers through Experienced and Committed Faculty.

M2: To nurture graduates with Scientific temperament, Rational thinking and Humanistic approach for Exceling in their Career.

M3: To promote Excellence in teaching and research through collaborative activities

Reach Us:

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Faculty Editor

Dr. Dhruvajit Sarma, Assistant Professor

Student Members

Ms. Sravani B., BTech-IV student

Mr. J. Chandra Sekhar, BTech-III student

Ms. Deepika G., BTech-II student



Message from Principal

It gives me immense pride and joy to present the 4th Issue (October - December 2024) of the newsletter of Mechanical Engineering Department, Madanapalle Institute of Technology & Science (MITS). This newsletter is a valuable effort to connect our institution with all its stakeholders. MITS has shown great progress in academics, co-curricular activities, and skill development for both staff and students



This newsletter serves as a mirror, reflecting the hard work, achievements, and activities of the ME department. I congratulate the team behind this newsletter for their excellent work. I express my sincere thanks to the editorial team and all contributors for their dedication. My heartfelt gratitude goes to the faculty and students who have worked together to make this possible. With best wishes for continued success.

Dr. C. Yuvaraj

Principal, Madanapalle Institute of Technology & Science.

Message from Head of Department

It is a matter of great pride and happiness for the Department of Mechanical Engineering, Madanapalle Institute of Technology & Science (MITS), to bring out the 4th Issue of Newsletter for 2024. Our department has made significant progress in academics, practical training, and technical activities for the benefit of staff and students. This newsletter acts as a clear reflection of the various activities, achievements, and hard work carried out by our department.



I take this opportunity to congratulate the Editorial Team for their outstanding efforts. I express my deep gratitude to Dr. C. Yuvaraj, Principal, MITS, for his constant guidance and support in making this newsletter a success. My heartfelt thanks also go to our faculty members and students for their dedicated contributions. With best wishes for continued progress and excellence.

Dr. S. Baskaran,

Head, Mechanical Engineering Department.



About MITS

Madanapalle Institute of Technology & Science is established in 1998 in the picturesque and pleasant environs of Madanapalle and is ideally located on a sprawling 26.17-acre campus on Madanapalle - Anantapur Highway (NH-205) near Angallu, about 10km away from Madanapalle.

MITS, originated under the auspices of Ratakonda Ranga Reddy Educational Academy under the proactive leadership of Late Sri. N. Krishna Kumar M.S. (U.S.A), the then President and Dr. N. Vijaya Bhaskar Choudary, Ph.D., Secretary & Correspondent of the Academy.

MITS is governed by a progressive management that never rests on laurels and has been striving conscientiously to develop it as one of the best centers of Academic Excellence in India. The Institution's profile is firmly based on strategies and action plans that match changing demands of the nation and the students' fraternity. MITS enjoys constant support and patronage of NRI's with distinguished academic traditions and vast experience in Engineering & Technology.



Industrial Block



Awards and Recognitions

ISTE BEST PRINCIPAL AWARD 2024

Dr. C. Yuvaraj, Principal of Madanapalle Institute of Technology & Science (MITS), has been awarded the prestigious Best Principal Award by the Indian Society for Technical Education (ISTE-2024). The award was presented by Prof. Sudarshan Rao, Vice Chancellor of J.N.T.U. Anantapur, at an awards ceremony held at G. Pulla Reddy Engineering College, Kurnool on October 25, 2024.



This honor is a testament to Dr. C Yuvaraj's commitment to excellence in technical education and his inspiring leadership at MITS. Congratulations to Dr. C. Yuvaraj on this well-deserved recognition!

- **Dr. Baskaran S.** earned an NPTEL Domain Certificate in October 2024. This recognition reflects his commitment to continuous learning and expertise in a specialized domain, as acknowledged by the National Programme on Technology Enhanced Learning.
- **Dr. Manish Sharma** was awarded “the Best Paper Award” at the 3rd International Conference on Sustainable Technologies and Advances in Automation, Aerospace and Robotics (STAAAR-2024) conference in December 2024. This achievement recognizes his exceptional research contribution and innovative insights presented at this esteemed international event.
- **Dr. Dhruvajit Sarma** attended the NPTEL course on “Laser-Based Manufacturing” through SWAYAM NPTEL and received an Elite+Silver certificate, achieving a topper ranking in the top 5% for his exceptional performance.
- **Mr. Ajith Gopal Joshi** completed the NPTEL course on “Intellectual Property Rights and Competition Law” through SWAYAM NPTEL, earning an Elite+Silver certificate and securing a topper ranking in the top 5% for his outstanding efforts.
- **Dr. Anantha Raman Lakshmipathi** participated in the NPTEL course on “Introduction to Internet of Things” through SWAYAM NPTEL, receiving an Elite+Gold certificate and attaining a topper ranking in the top 1% for his remarkable achievement.



- **Mr. Harshit Dixit** successfully completed the NPTEL course on “Innovation, Business Models and Entrepreneurship” through SWAYAM NPTEL, obtaining an Elite+Silver certificate and achieving a topper ranking in the top 5% for his excellent performance.

Events Organized

- ❖ Dr. Nagesha K.V., Associate Professor, Dr. Jagannath Pattar, and Mr. Raghavendra H., Assistant Professors, facilitated an online guest lecture on “Fundamentals & Applications of Additive Manufacturing” on October 1, 2024. Organized by the Department of Mechanical Engineering in association with ISTE, MITS, this talk engaged 110 participants. It enhanced understanding of engineering fundamentals, problem analysis, modern tool usage, teamwork, communication, and lifelong learning, with a focus on entrepreneurial competencies in additive manufacturing.
- ❖ Mr. Muthulakshmanan, Assistant Professor, coordinated an alumni guest lecture session titled "Building a Scalable Business Model" on October 7, 2024. Hosted by the Department of Mechanical Engineering in association with Alumni Welfare & IIC, MITS, this event inspired 55 participants. It emphasized teamwork, communication, project management, and lifelong learning, offering strategies for scalable business success.
- ❖ Mr. G. Kumar and Dr. Anantha Raman L., Assistant Professors, organized a one-day workshop on “Being Career-ready in the New AI-Driven World” on October 17, 2024. Conducted by the Department of Mechanical Engineering in association with IIC, MITS, this workshop equipped 110 participants with skills in teamwork, communication, project management, and lifelong learning, preparing them for AI-driven career landscapes.
- ❖ Dr. G. Veeresalingam, Assistant Professor, facilitated a Parents Meeting on October 19, 2024. Organized by the Department of Mechanical Engineering, this event brought together 20 participants. While it served as a vital engagement platform, it had no direct mapping to technical or professional competencies.
- ❖ Mr. P. Md. Rizwan Ali, Assistant Professor, and Dr. R. Prithvirajan, Associate Professor, coordinated a two-day workshop on “Computer Aided Machining (CAM) using NX” from October 18 to 19, 2024. Organized by the Department of Mechanical Engineering in association with ISTE Students Chapter, this hands-on session trained 60 participants. It enhanced skills in engineering fundamentals, problem analysis, modern tool usage, teamwork, communication, and lifelong learning, with a focus on entrepreneurial competencies.
- ❖ Mr. Ajith Gopal Joshi, Assistant Professor, organized a webinar titled “Journey from a Tinkerer to an Entrepreneur” on November 12, 2024. Hosted by the Department of Mechanical Engineering in association with IIC, MITS, this event engaged 88 participants.



The event emphasized teamwork, communication, project management, and lifelong learning, tracing the path from innovation to entrepreneurship.

- ❖ Dr. Thota SS Bhaskara Rao and Dr. G. Veeresalingam, Assistant Professors, facilitated a guest lecture titled “From Curiosity to Creation: Diving into Robotics” on November 13, 2024. Organized by the Department of Mechanical Engineering in association with the Institute R&D Cell, MITS, this talk inspired 50 participants. It covered engineering fundamentals, problem analysis, modern tool usage, teamwork, communication, and lifelong learning, with an entrepreneurial focus on robotics.
- ❖ Dr. Ved Prakash and Mr. P. Md. Rizwan Ali, Assistant Professors, coordinated a guest lecture titled “From Aspirant to Achiever: GATE and PSU Career Guidance” on November 19, 2024. Hosted by the Department of Mechanical Engineering in association with ISTE Students Chapter, this session guided 112 participants. It focused on teamwork, communication, and lifelong learning, preparing attendees for GATE and PSU opportunities.
- ❖ Mr. Muthulakshmanan, Assistant Professor, organized an alumni guest lecture titled "Real-World Problem-Solving Approaches in Mechanical Engineering Industries" on November 22, 2024. Conducted by the Department of Mechanical Engineering in association with MITS Alumni Welfare Association, this event engaged 55 participants. It enhanced skills in engineering fundamentals, problem analysis, modern tool usage, teamwork, communication, and lifelong learning, with an entrepreneurial focus.
- ❖ Mr. Muthulakshmanan, Assistant Professor, facilitated an alumni guest lecture on "Industry Collaboration – Workshop on Data Science" on November 27, 2024. Organized by the Department of Mechanical Engineering in association with IIIC, MITS, this session inspired 57 participants. It emphasized modern tool usage, teamwork, communication, and lifelong learning, highlighting data science’s industrial applications.
- ❖ Dr. Thota SS Bhaskara Rao, Dr. G. Veeresalingam, and Dr. Arun Kumar D., Assistant Professors, coordinated an awareness programme on “Empowering Students with Outcome-Based Education” on November 27, 2024. Hosted by the Department of Mechanical Engineering in association with IIIC, MITS, this event educated 47 participants on teamwork, communication, project management, and lifelong learning, fostering an understanding of outcome-based education.
- ❖ Mr. Muthulakshmanan, Assistant Professor, organized an alumni guest lecture titled “Application and Importance of Data Science in Mechanical Engineering” on November 27, 2024. Conducted by the Department of Mechanical Engineering in association with MITS Alumni Welfare Association, this talk engaged 53 participants. It focused on modern tool usage, teamwork, communication, and lifelong learning, underscoring data science’s relevance in engineering.



- ❖ Mr. P. Md. Rizwan Ali and Dr. D. Arunkumar, Assistant Professors, coordinated a six-day skill development programme on “Real-world Design Skills using Solid Edge” from November 25 to 30, 2024. Organized by the Department of Mechanical Engineering in association with the Skill Development Cell (SDC), this initiative trained 60 participants.

Faculty Development Programmes

- **Mr. Ajith Joshi** attended an 8-week Faculty Development Programme on “Intellectual Property Rights and Competition Law” from August 2024 to October 2024. Offered by NPTEL, this interdisciplinary programme deepened his understanding of legal frameworks in intellectual property and competition.
- **Dr. Ved Prakash** participated in a 5-day FDP on “Sustainability and Research in Modern Mechanical Engineering” from September 23, 2024, to September 27, 2024. Hosted by MITS, Madanapalle, this manufacturing-focused programme advanced his expertise in sustainable engineering practices.
- **Dr. Manish Sharma** completed an 8-week Faculty Development Programme titled “Accreditation and Outcome Based Learning” from August 2024 to October 2024. Organized by NPTEL, this interdisciplinary initiative strengthened his proficiency in accreditation processes and outcome-based education.
- **Dr. Jagesh Kumar Prusty** attended a 9-week FDP on “Introduction to Machine Learning” from July 2024 to September 2024. Offered by NPTEL, this interdisciplinary programme enriched his knowledge of machine learning concepts and applications.
- **Mr. Aravindhan D** participated in a 5-day Faculty Development Programme titled “SEPT @ 360 Skill Enhanced Program for Teachers” from September 2, 2024, to September 6, 2025. Organized by IQAC of SMCE & SVCAS, this interdisciplinary initiative enhanced his teaching skills across diverse domains.
- **Mr. Aravindhan D** also completed an 8-week FDP on “Laser Based Manufacturing” from August 2024 to October 2024. Offered by NPTEL, this manufacturing-focused programme deepened his expertise in advanced laser-based manufacturing techniques.
- **Dr. Arun Kumar D** engaged in a 12-week Faculty Development Programme on “Training of Trainers” from July 2024 to October 2024. Organized by NPTEL, this interdisciplinary programme enhanced his capabilities in training and instructional methodologies.



- **Dr. Dhrubajit Sarma** attended an 8-week FDP titled “Laser Based Manufacturing” from August 2024 to October 2024. Conducted by NPTEL, this manufacturing-oriented programme advanced his knowledge of laser applications in modern manufacturing processes.
- **Dr. Rupshree Ozah** participated in an 8-week Faculty Development Programme on “Laser Based Manufacturing” from August 2024 to October 2024. Offered by NPTEL, this manufacturing-focused initiative enriched her expertise in innovative manufacturing technologies.
- **Dr. S Baskaran** completed a 12-week FDP on “Advanced R Programming for Data Analytics in Business” from July 2024 to October 2024. Organized by NPTEL, this interdisciplinary programme strengthened his skills in data analytics using advanced R programming techniques.
- **Mr. Harshit Dixit** attended an 8-week Faculty Development Programme titled “Innovations, Business Model and Entrepreneurship” from August 2024 to October 2024. Offered by NPTEL, this interdisciplinary initiative enhanced his understanding of entrepreneurial strategies and business innovation.
- **Mr. Gejendhiran S.** participated in a 12-week FDP on “Management Information System” from July 2024 to October 2024. Conducted by NPTEL, this interdisciplinary programme deepened his knowledge of information systems in management contexts.
- **Dr. Thota S S Bhaskara Rao** participated in a 6-day Faculty Development Programme on “AI & ML Empowerment in Energy Storage and Advanced Robotics” from December 9, 2024, to December 14, 2024. Organized by Aditya Engineering College, this interdisciplinary programme advanced his expertise in artificial intelligence and machine learning applications.
- **Mr. Mohd. Dilawar** completed a 12-week FDP titled “Machine Learning and Deep Learning - Fundamentals and Applications” from July 2024 to October 2024. Offered by NPTEL, this interdisciplinary programme enriched his proficiency in machine learning and deep learning technologies.



Conference Attended

- ❖ **Dr. Thota Baskara Rao** attended the International Conference on Sustainable Development: Generative AI and Multidisciplinary Strategies on December 22-23, 2024. Conducted by Sri Padmavati School of Pharmacy, Tirupati, this manufacturing-focused conference enhanced his expertise in sustainable development and the role of generative AI in multidisciplinary contexts.
- ❖ **Dr. Manish Sharma** participated in the 3rd International Conference on Sustainable Technologies and Advances in Automation, Aerospace and Robotics (STAAAR-2024) on December 13-14, 2024. Organized by VIT Bhopal University, this design-oriented conference deepened his knowledge of sustainable technologies and advancements in automation, aerospace, and robotics.

Research Publications

- **Dr. Mohammed Dilawar** published “Enhancing Tribological Performance of AISI 52100: The Role of Laser Surface Texturing in Dry and Lubricated Conditions” in *Engineering Research Express*. With DOI 10.1088/2631-8695/ad853b, this Scopus-indexed work by IOP Publishing explores tribological enhancements through laser texturing.
- **Dr. Jagesh Kumar Prusty** authored “Free Vibration Analysis of Sandwich Shells with Cutouts: An Experimental and Numerical Study with Artificial Neural Network Modeling” in *Mechanics of Advanced Materials and Structures*. Published by Taylor & Francis with DOI 10.1080/15376494.2024.2414412, this SCIE-indexed study in Quartile 1 advances sandwich structure analysis.
- **Mr. Ajith G. Joshi** published “Laser Powder Bed Fusion Process Parameter for the Fabrication of AlSi12 using NSGA-II and Pareto Search Algorithm” in *Materials Science and Engineering Technology*. This SCIE-indexed paper, published by Wiley with DOI 10.1002/mawe.202400098, ranks in Quartile 2 and focuses on additive manufacturing optimization.
- **Dr. Jagesh Kumar Prusty** published “Buckling Data Trained Fuzzy Logic for Crack Detection in Composite Glass/Epoxy Laminated Beam” in *Mechanics of Advanced Materials and Structures*. With DOI 10.1080/15376494.2024.2427392, this SCIE-indexed Quartile 1 study by Taylor & Francis employs fuzzy logic for structural health monitoring.



- **Mr. S. Manoj Kumar** published the article “Mechanical, Wear, Fatigue, Water Absorption and Flammability of Silane-Treated Indian Squid Chitin Powder-Dispersed Pineapple Fiber-Polyester Composite” in *Polymer Bulletin*. Published by Springer with DOI 10.1007/s00289-024-05589-z, this SCI-indexed Quartile 2 paper investigates biocomposite properties.
- **Dr. Jagesh Kumar Prusty** authored “Frequency Analysis of Skew Sandwich Plates with Polyethylene Terephthalate Foam-Core and Carbon/Basalt Fiber-Reinforced Hybrid Face Layers Using ANFIS Model and Experimental Validation” in *Mechanics of Advanced Materials and Structures*. This SCIE-indexed Quartile 1 study, published by Taylor & Francis with DOI 10.1080/15376494.2024.2438910, advances composite plate analysis.
- **Dr. S. Gejendhiran, Dr. S. Baskaran, Dr. R. Prithivirajan, and Dr. D. Aravindhnan**, published an article titled “Experimental Studies on Dilution, Microstructural, Mechanical and Wear Characteristics of Inconel 718 Deposited Over Stainless Steel 304 Employing Cold Metal Transfer Process” in *Materials Letters*. With DOI 10.1016/j.matlet.2024.137795, this SCI-indexed Quartile 1 paper by Elsevier examines advanced welding techniques.
- **Mr. S. Manoj Kumar** published an article titled “Effect of Wheat Husk Biogenic Ceramic Si₃N₄ Addition on Mechanical, Wear and Flammability Behaviour of Castor Sheath Fibre-Reinforced Epoxy Composite” in *Journal of the Australian Ceramic Society*. Published by Springer with DOI 10.1007/s41779-025-01153-8, this SCIE-indexed Quartile 3 study explores biocomposite enhancements.
- **Dr. Jagesh Kumar Prusty** authored an article titled “Flexural and Dynamic Characterization of Carbon/Basalt Hybrid Laminated Composite Sandwich Plates with PET Foam Core: A Numerical and Experimental Approach” in *Structures*. This SCI-indexed Quartile 1 paper, published by Elsevier with DOI 10.1016/j.istruc.2025.108204, focuses on composite structural performance.
- **Dr. R. Prithivirajan** published an article titled “Investigation of Mechanical Properties of Environmentally Friendly Human Hair Fiber-Reinforced Polymer Composite” in *Journal of Polymer Research*. With DOI 10.1007/s10965-024-04236-5, this SCI-indexed Quartile 2 study by Springer examines sustainable polymer composites.



NPTEL Course Completed

- ❖ **Mr. Kumar G.** completed the NPTEL course on “Research Methodology” through SWAYAM NPTEL and received an Elite certificate for his outstanding performance.
- ❖ **Dr. Kamlesh Kumar** successfully completed the NPTEL course on “Robotics” through SWAYAM NPTEL, earning an Elite certificate for his exceptional achievement.
- ❖ **Dr. R. Prithvirajan** successfully completed the NPTEL course on “Research Methodology” through SWAYAM NPTEL and was awarded a certificate of successful completion.
- ❖ **Dr. Jagannath Pattar** successfully completed the NPTEL course on “Innovation by Design” through SWAYAM NPTEL, receiving a certificate of successful completion.
- ❖ **Dr. D. Arunkumar** attended the NPTEL course on “Training of Trainers” through SWAYAM NPTEL and achieved an Elite+Silver certificate for his remarkable performance.
- ❖ **Mr. Muthulakshmanan** completed the NPTEL course on “Laser Based Manufacturing” through SWAYAM NPTEL, earning an Elite+Silver certificate for his excellent efforts.
- ❖ **Dr. Rupshree Ozah** successfully completed the NPTEL course on “Laser Based Manufacturing” through SWAYAM NPTEL and received an Elite+Silver certificate for her distinguished performance.
- ❖ **Dr. Manish Sharma** attended the NPTEL course on “Accreditation and Outcome Based Learning” through SWAYAM NPTEL, securing an Elite+Silver certificate for his commendable achievement.
- ❖ **Mr. Aravindhyan Dhanapathy** completed the NPTEL course on “Laser Based Manufacturing” through SWAYAM NPTEL and was awarded an Elite+Silver certificate for his notable performance.
- ❖ **Dr. Dhruvajit Sarma** successfully completed the NPTEL course on “Laser Based Manufacturing” through SWAYAM NPTEL and was awarded an Elite+Silver certificate for his notable performance.
- ❖ **Mr. Ajith Gopal Joshi** attended the NPTEL course on “Intellectual Property Rights and Competition Law” through SWAYAM NPTEL and received an Elite+Silver certificate for his exemplary performance.



- ❖ **Dr. Anantha Raman Lakshmipathi** completed the NPTEL course on “Introduction to Internet of Things” through SWAYAM NPTEL, achieving an Elite+Gold certificate for his outstanding performance.
- ❖ **Dr. S. Baskaran** successfully completed the NPTEL course on “Advanced R Programming for Data Analytics in Business” through SWAYAM NPTEL and was awarded an Elite certificate for his achievement.
- ❖ **Mr. Harshit Dixit** completed the NPTEL course on “Innovation, Business Models and Entrepreneurship” through SWAYAM NPTEL and received an Elite+Silver certificate for his commendable efforts.
- ❖ **Dr. Gejendhiran S.** successfully completed the NPTEL course on “Management Information System” through SWAYAM NPTEL, securing an Elite+Silver certificate for his notable performance.

Reviewer in Peer Review Journal

- **Dr. Baskaran S.** reviewed manuscript RINENG-D-24-04877 for *Results in Engineering* on October 4, 2024. His critical evaluation maintained the journal’s high standards in engineering scholarship.
- **Dr. Baskaran S.** evaluated manuscript IJDM-D-24-01085 for *International Journal on Interactive Design and Manufacturing (IJIDeM)* on October 9, 2024. His review enhanced the journal’s reputation in design and manufacturing research.
- **Dr. Baskaran S.** served as a reviewer for *Measurement Science and Technology* on October 14, 2024, assessing manuscript MST-122209. His expertise upheld the journal’s focus on precision measurement research.
- **Dr. Baskaran S.** reviewed manuscript ERX-106499 for *Engineering Research Express* on October 28, 2024. His analysis contributed to the journal’s mission of advancing engineering knowledge.
- **Dr. Baskaran S.** evaluated manuscript MST-122209.R1 for *Measurement Science and Technology* on November 17, 2024. His thorough review supported the journal’s rigorous publication standards.
- **Dr. Baskaran S.** reviewed manuscript RINENG-D-24-07615 for *Results in Engineering* on November 17, 2024. His expertise ensured the quality of engineering research published in the journal.



- **Dr. Jagesh Kumar Prusty** served as a reviewer for *Scientific Reports* on November 14, 2024, with no manuscript number specified. His contributions bolstered the journal's reputation in multidisciplinary scientific research.
- **Dr. Prithvirajan R** reviewed manuscript MRX-130243 for *Materials Research Express* on October 23, 2024. His critical insights enhanced the quality of materials science research published in the journal.
- **Dr. Prithvirajan R** acted as a reviewer for *Journal of Applied Research and Technology* on November 29, 2024, with no manuscript number specified. His expertise supported the journal's focus on applied research advancements.
- **Dr. Baskaran S.** reviewed a manuscript for *Jurnal Tribologi* on November 27, 2024, with no manuscript number provided. His evaluation advanced the journal's contributions to tribology research.
- **Dr. Prithvirajan R** served as a reviewer for *Cellulose* on November 15, 2024, with no manuscript number specified. His review ensured the quality of research in cellulose-related studies.
- **Dr. Baskaran S.** evaluated manuscript MRX-130546 for *Materials Research Express* on December 18, 2024. His expertise contributed to maintaining the journal's high standards in materials science.
- **Dr. Baskaran S.** reviewed manuscript RINENG-D-24-07615R1 for *Results in Engineering* on December 18, 2024. His thorough assessment supported the journal's rigorous peer-review process.
- **Dr. Baskaran S.** reviewed manuscript RINENG-D-24-08645 for *Results in Engineering* on December 22, 2024. His expertise contributed to the journal's high-quality engineering publications.
- **Dr. Baskaran S.** assessed manuscript RINENG-D-24-09081 for *Results in Engineering* on December 22, 2024. His review ensured the integrity of engineering research published in the journal.

Student Participation in Events

- **Mr. Ila Chinnikrishna** participated in a debate as part of IEEE Week 2024, held at Madanapalle Institute of Technology & Science (MITS), Madanapalle, from October 21 to 25, 2024. Organized under the IEEE Week 2024 symposium, this event provided a platform for students to engage in intellectual discourse and showcase their debating skills.



Guest Talk Delivered

- **Dr. R. Prithvirajan** delivered a guest lecture on “Advances in Future Materials & Manufacturing Trends” on December 4, 2024. Organized by SRM TRP Engineering College, this manufacturing-focused event allowed him to share his extensive knowledge on the latest innovations in materials science and manufacturing trends with an engaged audience of students and professionals.

Membership in Professional Body

- **Dr. S. Baskaran** joined the Asian Council of Science Editors on October 19, 2024. This membership underscores his dedication to promoting excellence in scientific editing and publishing across the Asian academic community.
- **Dr. Kamlesh Kumar** became a lifetime membership with the Institution of Engineers (India) (IE(I)), Member Number AM3146726 in November 2024. This affiliation reflects his lifelong dedication to the advancement of engineering practices.
- **Dr. Jagesh Kumar Prusty** holds a lifetime membership with the Institution of Engineers (India) (IE(I)), Member Number AM3146645 since November 2024. This membership underscores his sustained commitment to the engineering profession and its development.
- **Dr. Rupshree Ozah** is a lifetime member of the Institution of Engineers (India) (IE(I)), with Member Number AM3146343 with effective from November 2024. This recognition highlights her ongoing contributions to the engineering community in India.
- **Dr. Rupshree Ozah** also secured a lifetime membership with ISET Research, Membership ID 2024020454. This affiliation demonstrates her dedication to fostering research and innovation within a specialized academic network.



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