

AERO EXPRESS

DEPARTMENT OF AERONAUTICAL ENGINEERING



PUBLISHER'S

FACULTY CO-ORDINATOR
MR.N.UDAY RANJAN GOUD

STUDENT CO-ORDINATOR
Mrudula Girhepuje
A.Sai Praneeth

"To succeed in your mission, you must have single-minded devotion to your goal."

NEWS-LETTER

JAN 2024

DEPARTMENT OF AERONAUTICAL ENGINEERING

From the earliest dreams of flight to the supersonic jets of today and the innovative aircraft of tomorrow, this discipline has consistently pushed the boundaries of what's possible. A field that has quite literally allowed humanity to touch the sky. MLR Institute of Technology offers Aeronautical Engineering that focuses on the design, development, construction, testing, and maintenance of aircraft and related systems that operate within Earth's atmosphere.

VISION

“To be a centre of excellence in Aeronautical engineering with emphasis on Research & Innovation to serve the needs of industry with human values to build strong nation.”

MISSION

M1. Provide quality oriented education, well-grounded in the fundamental principles of Aeronautical Engineering.

M2. Consistently produce top quality Aeronautical engineers with core and multidisciplinary skills, who can become ace leaders and successful entrepreneurs with human values.

M3. Continuously strive for knowledge; undertake Research and Innovation that will contribute to the industrial development of the nation.

HIGHLIGHT

DEPARTMENTAL ACHIEVEMENTS

FACULTY ACHIEVEMENTS

STUDENT ACHIEVEMENTS

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PROGRAM EDUCATIONAL OBJECTIVES :

- **PEO 1:** To prepare the students to excel in Aeronautical engineering and mould their careers for successful employment in industrial, academic and entrepreneurial activities.
- **PEO 2:** Graduates will analyze and synthesize data and apply technical problem concepts which lead to the design of new products and develop technical problem solving skills.
- **PEO 3:** Graduates will have excellent communication skills, ethical attitude and an ability to relate engineering issues to broader social environment.
- **PEO 4:** To provide a passionate academic environment for students that encourage learning of emerging technologies, multi disciplinary areas and acquire leadership qualities.

PROGRAM SPECIFIC OUTCOMES(PSO'S) :

- **PSO1:** Apply engineering and management knowledge and techniques to estimate time and resources needed to complete Aerospace/Mechanical engineering projects.
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- **PSO2:** Recognize the challenging and rewarding careers in the field of Aerospace Engineering.

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DEPARTMENTAL ACHIEVEMENTS

- **1. Faculty Achievements & Development**
- **Interaction with Outside World:** Mr. K. Arun Kumar participated as a faculty representative at the Regional Meet of the Innovation Cell (IIC) held at IARE on December 11, 2023.
- **Professional Recognition:** Mr. B. Manideep Gupta was awarded a Certificate of Mentorship at the "Eloq-vent Regional" event in October 2023
- **FDP & Workshop Participation:** Faculty members completed 18 different professional development programs, including Faculty Development Programmes (FDPs) in Autodesk-Fusion 360 and "Bridging the Gap Between Teaching and Learning Practice".
- **IP Training:** Eleven faculty members, including the HOD Dr. M.S.N. Gupta, attended the National IP Yatra 2023 to enhance their knowledge of Intellectual Property.
- **2. Research, Publications & IP**
- **Journal Publications:** Faculty members published 5 research papers in high-impact international journals such as Scientific Reports (Nature), Reviews on Advanced Materials and Science, and the Journal of Thermal Analysis and Calorimetry.
- **High-Quality Indexing:** These publications were indexed in prestigious databases including SCI and Scopus, with one paper achieving a Q2 ranking and an impact factor of 4.5.
- **Patents Published:** Three separate patents were officially published in October 2023 regarding Morphing Wing UAVs, Co-axial Propellers, and Kevlar-AL reinforced composites.

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DEPARTMENTAL ACHIEVEMENTS

- **Major Research Grant:** Dr. A. Vivekanand successfully secured and completed a research grant of Rs. 10 Lakhs from MSME for the National IP Yatra.
- **Consultancy Success:** The department completed two patent commercialization projects with Wawe Smart Toys Private Ltd, generating a total consultancy revenue of Rs. 9 Lakhs.
- **Events & Industry Interaction**
- **National Events Organized:** The department successfully organized the National IP Yatra (200 participants) and an awareness program on Industrial Design and Copyright (150 participants).
- **Industrial Visit:** 62 students from the II B.Tech (I Sem) completed an industrial visit to Karoli Pipes in Pudur on December 22, 2023.
- **Expert Integration:** Events featured high-level resource persons, including an Outstanding Scientist (Retired) from DRDL and professional IP Attorneys.
- **4. Student Milestones**
- **Prestigious Internships:** Students secured internships at top-tier aerospace and defense organizations, including DRDO-DRDL, Hindustan Aeronautics Limited (HAL), TATA Advanced Systems Limited, and Tata Lockheed Martin Aerostructures.
- **NPTEL/SWAYAM Certifications:** 16 students successfully earned certifications in specialized courses such as Aircraft Design, Airplane Performance, and Design of Fixed Wing Unmanned Aerial Vehicles.
- **Mass Participation:** Over 290 student participations were recorded in various national-level workshops and seminars, including the SAE DDC Workshop and the Electric Two Wheeler Design Competition.
- **Social Responsibility (NSS):** Students actively participated in national service schemes including Swachhta Hi Sewa, Meri Matti Mera Desh, and National Unity Day.

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STUDENT ACHIEVEMENTS

- **K Nithya Varalaxmi Reddy (20R21A2123):** Completed an internship at Tapovan Yantrik Private Limited from August 12 to November 15, 2023.
- **T Saiesh (20R21A2155):** Completed an internship at Tapovan Yantrik Private Limited from August 14 to November 20, 2023.
- **D Raj Kumar (20R21A2114):** Completed an internship at SOARON from August 18 to November 18, 2023.
- **G Venkat Prasad (20R21A2117):** Completed an internship at Triad Aerospace Pvt Ltd from August 20 to November 28, 2023.
- **Madhav Sainidhi (20R21A2132):** Completed an internship at Triad Aerospace Pvt Ltd from August 21 to November 25, 2023.
- **Ch Linga Raju (21R25A2101):** Completed an internship at Triad Aerospace Pvt Ltd from August 21 to November 25, 2023.
- **N Yashwanth (20R21A2138):** Completed an internship at Tapovan Yantrik Private Limited starting August 28, 2023.
- **B Sahithi (21R21A2111):** Completed an internship at DRDO-DRDL from September 7 to December 20, 2023.
- **R Rahul (20R21A2146):** Completed an internship at Triad Aerospace Pvt Ltd from September 8 to November 25, 2023.
- **G Nithin Raj (21R25A2103):** Completed an internship at Triad Aerospace Pvt Ltd from September 8 to November 25, 2023.
- **Abhishek Dash (21R21A2101):** Completed an internship at Triad Aerospace Pvt Ltd from September 8 to November 25, 2023.

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STUDENT ACHIEVEMENTS

- **B Bharghav Tej (21R21A2108):** Completed an internship at Triad Aerospace Pvt Ltd from September 8 to November 25, 2023.
- **Ishaan Suri (21R21A2122):** Completed an internship at Triad Aerospace Pvt Ltd from September 8 to November 25, 2023.
- **Bhavani Kiran Goud (21R21A2138):** Completed an internship at Triad Aerospace Pvt Ltd from September 8 to November 25, 2023.
- **Parth Jala (21R21A2139):** Completed an internship at Triad Aerospace Pvt Ltd from September 8 to November 25, 2023.
- **V Manideep (21R21A2153):** Completed an internship at Triad Aerospace Pvt Ltd from September 8 to November 25, 2023.
- **Nandini Ramawat (20R21A2137):** Completed an internship at Tata Lockheed Martin Aerostructures Ltd from September 14 to November 27, 2023.
- **Rohan Sai Adiserla (20R21A2145):** Started an internship at Trifacta Data on September 18, 2023.
- **Nidhip Sharma (20R21A2139):** Completed an internship at Binford Research Labs Pvt. Ltd from September 20 to December 20, 2023.
- **C Sridevi (20R21A2110):** Completed an internship at Tata Lockheed Martin Aerostructures Ltd from September 29 to December 29, 2023.

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STUDENT ACHIEVEMENTS

- **P Vivek (20R21A2143):** Started an internship at Marut Dronetech Private Limited on October 9, 2023.
- **B Sai Rohith (20R21A2108):** Started an internship at TATA ADVANCED SYSTEMS LIMITED on October 16, 2023.
- **Aditi Regalla (21R21A2102):** Started an internship at Tata Lockheed Martin Aerostructures Ltd on October 16, 2023.
- **G Shreelaya (21R21A2120):** Completed an internship at Hindustan Aeronautics Limited (HAL), Bangalore from October 30 to December 13, 2023.
- **Mansi Tiwari (21R21A2134):** Started an internship at Tata Lockheed Martin Aerostructures Ltd on November 6, 2023.
- **P Mahesh (22R25A2108):** Started an internship at Garuda Aerospace Pvt Ltd on November 16, 2023.
- **B Hema Sree (21R21A2112):** Completed an internship at Hindustan Aeronautics Limited (HAL) from November 17 to December 19, 2023.
- **Prayudhi RD (21R2142143):** Completed an internship at Hindustan Aeronautics Limited (HAL) from November 17 to December 19, 2023.
- **R Madhavi (21R2142145):** Completed an internship at Hindustan Aeronautics Limited (HAL) from November 17 to December 19, 2023.
- **Technical Certifications (NPTEL/SWAYAM)**
- **Geetika V C (22R21A2119):** Completed certifications in "Problem Solving Through Programming In C" and "Introduction To Aerospace Engineering-Flight".
- **Bandewar Sahithi (21R21A2111):** Completed a certification in "Introduction To Aircraft Design."

- Gopi Pavani (21R21A2118): Completed certifications in "Introduction To Airplane Performance" and "Introduction To Aircraft Design".
- K. Pranathi (21R21A2126): Completed a certification in "Introduction To Aircraft Design".
- Kummari Vyshnavi (21R21A2128): Completed a certification in "Introduction To Aircraft Design".
- M Gunasri (21R21A2131): Completed a certification in "Introduction To Aircraft Design".
- Ajmeera Nandhishwari (20R21A2102): Completed a certification in "Introduction To Composites".
- Kurala Yeshwanth Ram (20R21A2128): Completed a certification in "Introduction To Airplane Performance".
- P Sindusree (20R21A2141): Completed a certification in "Airplane Performance".
- Thirupati Gopi Naga Vignesh (20R21A2154): Completed a certification in "Introduction To Airplane Performance".
- Thorlikonda Saiesh (20R21A2155): Completed a certification in "Design of Fixed Wing Unmanned Aerial Vehicles".
- Sravani Yamasani (20R21A2158): Completed certifications in "Aircraft Stability And Control" and "Introduction To Aircraft Performance".

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STUDENT ACHIEVEMENTS

- **Social & NSS Activities**
- **B Suresh (21R21A2110):** Participated in the "Swachta hi sewa" activity at Gandimaisamma Roads on October 10, 2023.
- **Prayudhi R D (21R21A2143):** Participated in "Meri Matti Mera Desh" (October 10) and "National Unity Day" (October 31) at MLRIT.
- **Likhitha Sai Sandu (21R21A2147):** Participated in the "Mera Yuva Bharat" activity on December 27, 2023.

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FACULTY ACHIEVEMENTS

- **Dr. M. Satyanarayana Gupta (Professor & HOD)**
- Participated in the National IP Yatra 2023 hosted at MLR Institute of Technology from December 8th to 9th, 2023.
- **Dr. A. Vivek Anand (Professor)**
- Published three high-impact research papers in international journals, including Scientific Reports (Impact Factor 4.5) and the Journal of Thermal Analysis and Calorimetry.
- Published a research paper titled "Advancements in saline water treatment: a review" with IWA Publishing.
- Completed two Patent Commercialization projects with WAVE SMART TOYS PRIVATE LTD, generating a total consultancy revenue of Rs. 9,00,000.
- Secured and completed a Research Grant of Rs. 10 Lakhs from MSME for the National IP Yatra.
- Acted as the Convener/Coordinator for the "National IP Yatra" and the "Awareness Programme on Role of Industrial Design and Copyright in innovation".
- **Mr. K. Arun Kumar (Assistant Professor)**
- Interacted with the outside world by attending the Regional Meet of the Innovation Cell (IIC) at IARE on December 11, 2023.
- Published a research paper on structural integrity-based computational investigations for UAV airframes in Reviews on Advanced Materials and Science.

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FACULTY ACHIEVEMENTS

- Participated in the National IP Yatra 2023 at MLRIT.
- Mr. K. Veeranjanyulu (Professor)
- Published a patent titled "CO-AXIAL PROPELLER FOR MORPHING WING UAV" on October 20, 2023.
- Published a patent titled "MORPHING WING FOR UAV" on October 13, 2023.
- Participated in the National IP Yatra 2023.
- Mr. B. Nagaraj Goud (Assistant Professor)
- Published a patent for a "2D PLAIN-WOVEN PATTERN KEVLAR-AL BASED REINFORCED EPOXY KLARE COMPOSITE" on October 20, 2023.
- Completed a Faculty Development Programme (FDP) on "Use of ICT tools for Education-Google product".
- Completed an FDP on "Bridging Gap Between Teaching and Learning Practice" at Dr. M.G.R. Educational and Research Institute.
- Participated in the National IP Yatra 2023.
- Mr. Nirmith Kumar Mishra (Assistant Professor)
- Published a research paper titled "Physical and mechanical properties of foamed concrete, a literature review" in Materials Proceedings.
- Completed an FDP in Autodesk-Fusion 360 at Malla Reddy College of Engineering.
- Completed an FDP on "Bridging Gap Between Teaching and Learning Practice".
- Coordinated the student industrial visit to Karoli Pipes for 62 students on December 22, 2023.
- Participated in the National IP Yatra 2023.
- Mr. B. Manideep Gupta (Assistant Professor)

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FACULTY ACHIEVEMENTS

- **Mr. B. Manideep Gupta (Assistant Professor)** Received a Certificate of Mentorship at the "Eloq-vent Regional" event in Hyderabad on October 9th and 10th, 2023.
- Participated in the National IP Yatra 2023.
- **Mr. S. Sreekanth (Assistant Professor)**
- Completed a Faculty Development Programme in Autodesk-Fusion 360.
- Participated in the National IP Yatra 2023.
- **Mr. A. Sai Kumar (Assistant Professor)**
- Completed a Faculty Development Programme in Autodesk-Fusion 360.
- Participated in the National IP Yatra 2023.
- **Mr. Arun Kumar Samy (Assistant Professor)**
- Completed a Faculty Development Programme in Autodesk-Fusion 360 from November 6th to 10th, 2023.
- Other Faculty Participation (National IP Yatra 2023).

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PO'S

- **PO1: Engineering Knowledge:** Apply knowledge of mathematics, natural science, computing, engineering fundamentals and an engineering specialization as specified in WK1 to WK4 respectively to develop to the solution of complex engineering problems.
- **PO2: Problem Analysis:** Identify, formulate, review research literature and analyze complex engineering problems reaching substantiated conclusions with consideration for sustainable development.
- **PO3: Design/Development of Solutions:** Design creative solutions for complex engineering problems and design/develop systems/components/processes to meet identified needs with consideration for the public health and safety, whole-life cost, net zero carbon, culture, society and environment as required.
- **PO4: Conduct Investigations of Complex Problems:** Conduct investigations of complex engineering problems using research-based knowledge including design of experiments, modelling, analysis & interpretation of data to provide valid conclusions.
- **PO5: Engineering Tool Usage:** Create, select and apply appropriate techniques, resources and modern engineering & IT tools, including prediction and modelling recognizing their limitations to solve complex engineering problems.
- **PO6: The Engineer and The World:** Analyze and evaluate societal and environmental aspects while solving complex engineering problems for its impact on sustainability with reference to economy, health, safety, legal framework, culture and environment.

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PO'S

- **PO7: Ethics:** Apply ethical principles and commit to professional ethics, human values, diversity and inclusion; adhere to national & international laws.
- **PO8: Individual and Collaborative Team work:** Function effectively as an individual, and as a member or leader in diverse/multi-disciplinary teams.
- **PO9: Communication:** Communicate effectively and inclusively within the engineering community and society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations considering cultural, language, and learning differences
- **PO10: Project Management and Finance:** Apply knowledge and understanding of engineering management principles and economic decision-making and apply these to one's own work, as a member and leader in a team, and to manage projects and in multidisciplinary environments.
- **PO11: Life-Long Learning:** Recognize the need for, and have the preparation and ability for i) independent and life-long learning ii) adaptability to new and emerging technologies and iii) critical thinking in the broadest context of technological change.

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J. Anusha
P. Monisha

"To succeed in your mission, you must have single-minded devotion to your goal."

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JAN - MAR 2024

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PROGRAM EDUCATIONAL OBJECTIVES :

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- **PEO 2:** Graduates will analyze and synthesize data and apply technical problem concepts which lead to the design of new products and develop technical problem solving skills.
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- **PSO1:** Apply engineering and management knowledge and techniques to estimate time and resources needed to complete Aerospace/Mechanical engineering projects.
-
- **PSO2:** Recognize the challenging and rewarding careers in the field of Aerospace Engineering.

- The Department of Aeronautical Engineering & Aero Club MLRIT has organized “Aerotron 2.0”, a 36-Hour Hackathon held at MLRIT on 5th & 6th Jan 2024.
- The Department of Aeronautical Engineering has organized the “National Science Fair 2024” Event, held at MLRIT on 28 Feb, 2024.
- The Department of Aeronautical Engineering has organized the “6th International conference on Advancements in Materials and Manufacturing (ICAAMM 2024)” Event, held at MLRIT on 16th & 17th Feb 2024.
- The Department of Aeronautical Engineering has organized “GI Mahotsav 2024 India” Event, held at MLRIT on 26th to 28th Mar, 2024.
- The Students of Aeronautical Engineering had visited “Military College of Electronics and Mechanical Engineering(MCEME)” as an industrial visit accompanied by Mr. Nirmith Kumar Mishra on Feb 13, 2024.

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STUDENT ACHIEVEMENTS

- Mr. Keshav Ram, has been offered an internship opportunity as Co-Pilot in “Marut Dronetech Private Limited”, starting from Jan 19, 2024 to Jul 19, 2024 on Jan 18, 2024.
- Mr. T. Gopi Naga Vignesh, has been offered an internship opportunity for Project work at “DSP, DRDO Hyderabad”, starting from Feb 20, 2024 to Apr 22, 2024 on Feb 15, 2024..
- Mr. Aditya Goud, has been offered an internship opportunity on 09 Jan 2024 in “Tata Advanced Systems Limited”, for a period of 3 months starting from Jan 10, 2024.
- Mr. Samson Frank Repol, has been offered an internship opportunity on 10 Jan 2024 in “Tata Advanced Systems Limited”, for a period of 3 months starting from Jan 12, 2024.
- Ms. Vangari Vyshnavi, has been offered an internship opportunity on 09 Jan 2024 in “Tata Advanced Systems Limited”, for a period of 3 months starting from Jan 10, 2024.
- Ms. Sravani Y,, has been offered an internship opportunity on 09 Jan 2024 in “Tata Advanced Systems Limited”, for a period of 3 months starting from Jan 10, 2024.
- Mr. Mokshanand, has been offered an internship opportunity on 09 Jan 2024 in “Tata Advanced Systems Limited”, for a period of 3 months starting from Jan 10, 2024.

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STUDENT ACHIEVEMENTS

- Mr. Vivek, has been offered an internship opportunity as Intern for Engineering Department in “Marut Dronetech Private Limited”, starting from Oct 09, 2023 to Apr 09, 2024 on Oct 06, 2024.
- Mr. Yogesh Jaligama, has been offered an internship opportunity on 11 Dec 2023 in “Tata Advanced Systems Limited”, for a period of 3 months starting on Dec 13, 2023 to Mar 12, 2023.
- Mr. Nidhip Sandeep Sharma, has been offered an internship opportunity on 06 Dec 2023, with “ideaForge Technology Ltd.” for a period of 3 months starting from Dec 06, 2023.
- Ms. Chitkula Harika, has completed an internship on “Ballistic Design and Performance Prediction of Solid Rocket Motor” at the ‘Centre for Advanced Systems’, ‘Defence Research and Development Organization’, starting from Jan 16,2024 to Mar 31, 2024.
- Ms. Indur Pavithra, has been assigned to do an internship at “Defence Research & Defence Organization, Defence Research & Development Laboratory”, starting from Jan 08, 2024 to Feb 22, 2024 on Jan 05, 2024.
- Mr. Rohan Sai Adiserla, has been offered an internship position of “Data Analyst Intern” at “Trifacta Data”, starting on 18 Sep 2023 to 05 Dec 2023 on Sep 16, 2023.

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- Ms. Aditi Regalla, has been offered an internship opportunity on 12 Oct 2024 in “Tata Advanced Systems Limited”, for a period of 3 months starting from Oct 16, 2023.
- Mr. Pallapu Mahesh, has been offered an internship position of “Drone Pilot” on 17 Nov 2023 with “Garuda Aerospace Private Limited”, starting from Nov 16, 2023 to Nov 16, 2023.
- Mr. Burri Sai Rohith, has been offered an internship opportunity on 10 Oct 2023 in “Tata Advanced Systems Limited”, for a period of 3 months starting from Nov 16, 2023 to Nov 15, 2024.
- Ms. Mansi Tiwari, has completed their internship in “Tata Advanced Systems Limited”, for a period of 3 months starting from Nov 13, 2023 to Jan 01, 2024.
- Mr. Mokshanand Gopineedhi, has successfully qualified in GATE Aerospace Engineering Exam in 2024, with a score of 431, securing a rank of 493.
- Mr. Yashwanth Nedunoori, has successfully qualified in GATE Aerospace Engineering Exam in 2024, with a score of 347, securing a rank of 813.

- Mr. J Aryan, has received a certificate of participation in “SAEISS Dr. G. Padmanabham Memorial Electric Two Wheeler Design Competition - 2024” held at Rajalakshmi Engineering College, Chennai, on 17th & 18th Feb 2024.
- Mr. P Vidya Sagar, has received a certificate of participation in “SAEISS Dr. G. Padmanabham Memorial Electric Two Wheeler Design Competition - 2024” held at Rajalakshmi Engineering College, Chennai, on 17th & 18th Feb 2024.
- Mr. P Sai Kiran, has received a certificate of participation in “SAEISS Dr. G. Padmanabham Memorial Electric Two Wheeler Design Competition - 2024” held at Rajalakshmi Engineering College, Chennai, on 17th & 18th Feb 2024.
- Mr. J Pavan, has received a certificate of participation in “SAEISS Dr. G. Padmanabham Memorial Electric Two Wheeler Design Competition - 2024” held at Rajalakshmi Engineering College, Chennai, on 17th & 18th Feb 2024.

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- Mr. Mahboob Yesdan, has received a certificate of participation in “SAEISS Dr. G. Padmanabham Memorial Electric Two Wheeler Design Competition - 2024” held at Rajalakshmi Engineering College, Chennai, on 17th & 18th Feb 2024.
- Mr. P Monisha, has received a certificate of participation in “SAEISS Dr. G. Padmanabham Memorial Electric Two Wheeler Design Competition - 2024” held at Rajalakshmi Engineering College, Chennai, on 17th & 18th Feb 2024.

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- Mr. Nirmith Kumar Mishra, Assistant Professor, has given a guest lecture on Legal Structures and Ethical Steps in Establishing Start-ups on Feb 09, 2024.
- Mr. N Uday Ranjan Goud, Assistant Professor, conducted an Awareness Program on Unemployment on March 24, 2024.
- Mr. Nirmith Kumar Mishra, Assistant Professor has been assigned as reviewer for “Papers on 6th International Conference on Advancements in Materials and Manufacturing” on Jan 30, 2024.
- Mr. B Manideep Guptha, Assistant Professor, has been assigned as reviewer for “Papers on 6th Conference on Advancements in Materials and Manufacturing.” on Feb 15, 2024.
- Mr. S Sreekanth, Assistant Professor, has been assigned as reviewer for “Papers on 6th Conference on Advancements in Materials and Manufacturing.” on Feb 13, 2024.
- Mr. K Arun Kumar, Assistant Professor, has reviewed “MATPR-D-24-00236” Abstract on “Analysis of bullet impact test on aluminium alloy plates at varying thickness and velocities” on Mar 14, 2024.
- Mr. K Arun Kumar, Assistant Professor, has been assigned as reviewer for “Papers on 6th Conference on Advancements in Materials and Manufacturing.” on Mar 04, 2024.

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- Mr. Nagaraj Goud, Assistant Professor, has been assigned as reviewer for “Papers on 6th Conference on Advancements in Materials and Manufacturing.” on Feb 13, 2024.
- Mr. A Sai Kumar, Assistant Professor, has been assigned as reviewer for “Papers on 6th Conference on Advancements in Materials and Manufacturing.” on March, 2024.
- Mr. K Arun Kumar, Assistant Professor, has been assigned as reviewer for “Papers on 6th Conference on Advancements in Materials and Manufacturing.” on Jan 20, 2024.
- Dr. A Vivek Anand, Associate Professor, has been assigned as reviewer for “Papers on 6th Conference on Advancements in Materials and Manufacturing.” on Feb 7, 2024.
- Mr. N Uday Ranjan Goud, Assistant Professor & NSS Program Officer, has received the Certificate of Appreciation from JNTUH(NSS Cell) for his exceptional leadership and guidance in influencing students to engage in community service throughout the year 2023-2024.
- Mr. A Sai Kumar, Assistant Professor, has received the Certificate of Appreciation on “SAEISS Dr. G. Padmanabham Memorial Electric Two Wheeler Design Competition - 2024” for his active role as Faculty Advisor held at Rajalakshmi Engineering College, Chennai on 17th & 18th Feb, 2024.

- Dr. A Vivek Anand, Associate Professor, has contributed in publishing “Performance analysis of FFNN and Kriging model on prediction of ionospheric TEC” Journal, published on Jan 23, 2024.
- Mr. K Arun Kumar, Assistant Professor, has contributed in publishing “Design, control, aerodynamic performances, and structural integrity investigations of compact ducted drone with co-axial propeller for high altitude surveillance” Journal, published in March 2024.
- Mr. K Arun Kumar, Assistant Professor, has contributed in publishing “Tensile, Dynamic Mechanical, and Vibration Behavior of Layering Sequence Design Effect of Glass Intertwined Natural Kenaf Woven Polymeric Laminates” Journal, published on Feb 19, 2024.
- Dr. M Satyanarayana Gupta, Professor & HoD, has contributed in publishing “Experimental investigation and gray relational optimization of engine parameters to improve the output characteristics of an ammonia biodiesel powered dual fuel combustion engine” Journal, published on Mar 12, 2024.

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- Mr. K Veeranjanyulu, Assistant Professor, has received certificate of participation for his active participation in “Workshop on Patent Drafting: From Idea to Implementation” Organized by “Intellectual Property Facilitation Centre & Department of Aeronautical Engineering” at MLRIT, Hyderabad on 15th & 16th Feb, 2024.
- Mr. M Ganesh, Associate Professor, has received certificate of participation for his active participation in “Workshop on Patent Drafting: From Idea to Implementation” Organized by “Intellectual Property Facilitation Centre & Department of Aeronautical Engineering” at MLRIT, Hyderabad on 15th & 16th Feb, 2024.
- Mr. B Nagaraj Goud, Assistant Professor, has received certificate of participation for his active participation in “Workshop on Patent Drafting: From Idea to Implementation” Organized by “Intellectual Property Facilitation Centre & Department of Aeronautical Engineering” at MLRIT, Hyderabad on 15th & 16th Feb, 2024.
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FACULTY ACHIEVEMENTS

- **Mr. S Sreekanth, Assistant Professor, has received certificate of participation for his active participation in “Workshop on Patent Drafting: From Idea to Implementation” Organized by “Intellectual Property Facilitation Centre & Department of Aeronautical Engineering” at MLRIT, Hyderabad on 15th & 16th Feb, 2024.**
- **Mr. Nirmith Kumar Mishra, Assistant Professor, has received certificate of participation for his active participation in “Workshop on Patent Drafting: From Idea to Implementation” Organized by “Intellectual Property Facilitation Centre & Department of Aeronautical Engineering” at MLRIT, Hyderabad on 15th & 16th Feb, 2024.**
- **Mr. N Uday Ranjan Goud, Assistant Professor, has received certificate of participation for his active participation in “Workshop on Patent Drafting: From Idea to Implementation” Organized by “Intellectual Property Facilitation Centre & Department of Aeronautical Engineering” at MLRIT, Hyderabad on 15th & 16th Feb, 2024.**
- **Mr. K Arun Kumar, Assistant Professor, has received certificate of participation for his active participation in “Workshop on Patent Drafting: From Idea to Implementation” Organized by “Intellectual Property Facilitation Centre & Department of Aeronautical Engineering” at MLRIT, Hyderabad on 15th & 16th Feb, 2024.**

NEWS-LETTER

FACULTY ACHIEVEMENTS

- Mr. B Manideep Guptha, Assistant Professor, has received certificate of participation for his active participation in “Workshop on Patent Drafting: From Idea to Implementation” Organized by “Intellectual Property Facilitation Centre & Department of Aeronautical Engineering” at MLRIT, Hyderabad on 15th & 16th Feb, 2024.
- Ms. G Sravanthi, Assistant Professor, has received certificate of participation for his active participation in “Workshop on Patent Drafting: From Idea to Implementation” Organized by “Intellectual Property Facilitation Centre & Department of Aeronautical Engineering” at MLRIT, Hyderabad on 15th & 16th Feb, 2024.
- Mr. Nirmith Kumar Mishra, Assistant Professor, has been certified for attending “ Innovation Ambassador (IA) training ‘Foundation Level’ “ conducted online by MoE’s innovation Cell & AICTE during the IIC calendar year 2022-23.
- Mr. Nirmith Kumar Mishra, Assistant Professor, has been certified for attending “ Innovation Ambassador (IA) training ‘Advance Level’ “ conducted online by MoE’s innovation Cell & AICTE during the IIC calendar year 2022-23.
- Dr. A Vivek Anand, Associate Professor, has been recognized for the patent titled “Sugar Cane Juice Extracting Machine” filed on Jul 30, 2021.

NEWS-LETTER

FACULTY ACHIEVEMENTS

- Dr. A Vivek Anand, Associate Professor, has been recognized for the patent titled “RC AgroBot” filed on Dec 12, 2021.
- Dr. A Vivek Anand, Associate Professor, has been recognized for the patent titled “Deep Slot Propellant Milling Machine” filed on Jul 30, 2021.
- Dr. A Vivek Anand, Associate Professor, has proposed to organize “GI Mahotsav” at MLRIT, Hyderabad on Nov 23, 2023.
- Dr. A Vivek Anand, Associate Professor, completed a research project on “Bioresource Complex” in MLRIT, Hyderabad on Feb 12, 2024.

NEWS-LETTER

PO'S

- **PO1: Engineering Knowledge:** Apply knowledge of mathematics, natural science, computing, engineering fundamentals and an engineering specialization as specified in WK1 to WK4 respectively to develop to the solution of complex engineering problems.
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- **PO6: The Engineer and The World:** Analyze and evaluate societal and environmental aspects while solving complex engineering problems for its impact on sustainability with reference to economy, health, safety, legal framework, culture and environment.

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AERO EXPRESS

DEPARTMENT OF AERONAUTICAL ENGINEERING



PUBLISHER'S

FACULTY CO-ORDINATOR
MR.N.UDAY RANJAN GOUD

STUDENT CO-ORDINATOR
J.ANUSHA
P.MONISHA

"To succeed in your mission, you must have single-minded devotion to your goal."

NEWS-LETTER

APR-JUNE 2024

DEPARTMENT OF AERONAUTICAL ENGINEERING

From the earliest dreams of flight to the supersonic jets of today and the innovative aircraft of tomorrow, this discipline has consistently pushed the boundaries of what's possible. A field that has quite literally allowed humanity to touch the sky. MLR Institute of Technology offers Aeronautical Engineering that focuses on the design, development, construction, testing, and maintenance of aircraft and related systems that operate within Earth's atmosphere.

VISION

“To be a centre of excellence in Aeronautical engineering with emphasis on Research & Innovation to serve the needs of industry with human values to build strong nation.”

MISSION

M1. Provide quality oriented education, well-grounded in the fundamental principles of Aeronautical Engineering.

M2. Consistently produce top quality Aeronautical engineers with core and multidisciplinary skills, who can become ace leaders and successful entrepreneurs with human values.

M3. Continuously strive for knowledge; undertake Research and Innovation that will contribute to the industrial development of the nation.

HIGHLIGHT

DEPARTMENTAL ACHIEVEMENTS

STUDENT ACHIEVEMENTS

FACULTY ACHIEVEMENTS

NEWS-LETTER

PROGRAM EDUCATIONAL OBJECTIVES :

- **PEO 1:** To prepare the students to excel in Aeronautical engineering and mould their careers for successful employment in industrial, academic and entrepreneurial activities.
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PROGRAM SPECIFIC OUTCOMES(PSO'S) :

- **PSO1:** Apply engineering and management knowledge and techniques to estimate time and resources needed to complete Aerospace/Mechanical engineering projects.
-
- **PSO2:** Recognize the challenging and rewarding careers in the field of Aerospace Engineering.

- Students of III BTech, Aeronautical Engineering Department have Visited Azista Composites Private Limited as an industrial visit under the Guidance of Mr. Nirmith Kumar Mishra, Assistant Professor and Mr. B Nagaraj Goud Assistant Professor, Assistant Professor on April 29, 2024.
- Students of II BTech, Aeronautical Engineering Department have Indian Air Force Academy as an industrial visit under the Guidance of Mr. Nirmith Kumar Mishra, Assistant Professor and Mr. S Sreekanth, Assistant Professor on June 13, 2024

NEWS-LETTER

FACULTY ACHIEVEMENTS

- Dr.Vivek Anand, Associate professor received Acknowledgement and appreciation for service by TLC and IQAC of MLRIT for session on Intellectual Property Rights on 01/06/2024.
- Dr.Vivek Anand, Associate professor received appreciation for his review of manuscripts at International Journal on Interactive Design and Manufacturing (IJIDem) on 16/04/2024.
- Mr.Nirmith Kumar Mishra, Assistant professor received Certificate for completing a course on “Introduction to Industry 4.0 and Industrial Internet of Things” by IIT Kharagpur (NPTEL) in April 2024.
- Mr.S.Sreekanth, Assistant professor received Certificate for completing a course on “Introduction to Industry 4.0 and Industrial Internet of Things” by IIT Kharagpur (NPTEL)April 2024.
- Mr.S.Sreekanth, Assistant professor received Certificate for completing a course on “Introduction to Internet of Things” by IIT Kharagpur (NPTEL) April 2024.
- Mr. Arun Kumar K, Assistant professor Published a Journal on “Optimizing Closed Loop Pulsating Heat Pipes (CL-PHPs) using Taguchi Method Enhancing Thermal Performance and Operational Parameters” on 04/02/2024.
- Mr. Nirmith Kumar Mishra, Assistant professor Published a Journal on “Numerical study of Carreau fuzzy nanofluid across a stretching cylinder using a modified version of Buongiorno’s nanofluid model” on 27/05/2024

NEWS-LETTER

FACULTY ACHIEVEMENTS

- Dr. Vivek Anand, Associate professor Authored a Book on “Wettability and Corrosion Resistance on Hydrophobic Steel Surfaces” and was published on 20/06/2024
- Dr. M. Satyanarayana Gupta, Head of Department Authored a Book on “Wettability and Corrosion Resistance on Hydrophobic Steel Surfaces” and was published on 20/06/2024
- Dr. A Vivek Anand, Associate professor Filled a Patent on Natural Composite Composed Of Cashew Nut Shell Liquid and Coir Fiber on 03/05/2024.
- Mr. Nirmith Kumar Mishra, Assistant professor filled a patent on Aerial Solar Sweeper on 24/04/2024
- Dr. A Vivek Anand, Associate professor Filled a Patent on Natural Composite Composed Of Cashew Nut Shell Liquid and Coir Fiber on 03/05/2024.
- Mr. Nirmith Kumar Mishra, Assistant professor filled a patent on Aerial Solar Sweeper on 24/04/2024
- Dr. M. Satyanarayana Gupta, Head of Department filled a patent on Aerial Solar Sweeper on 24/04/2024
- Dr. A Vivek Anand, Associate professor Filled a Patent on Method to Improve the Mechanical Properties of Composite Laminates in June 2024.
- Dr. A Vivek Anand, Associate professor Filled a Patent on Method to Improve the Mechanical Properties Natural composites in June 2024.
- 16. Dr. A Vivek Anand, Associate professor was awarded Certificate of Participation for World IP Day Webinar 2024 on 26/04/2024

NEWS-LETTER

STUDENT ACHIEVEMENTS

- **ABHISHEK DASH** has received certificate for completing a course on Aircraft Design by IIT KANPUR (NPTEL) in April 2024
- **ADITI REGALLA** has received certificate for completing a course on Aircraft Design by IIT KANPUR (NPTEL) in April 2024
- **ADLAGATTA SHASHIDHAR** has received certificate for completing a course on Aircraft Design by IIT KANPUR (NPTEL) in April 2024
- **BADAVATH SURESH** has received certificate for completing a course on Aircraft Design by IIT KANPUR (NPTEL) in April 2024
- **BANDEWAR SAHITHI** has received certificate for completing a course on Aircraft Design by IIT KANPUR (NPTEL) in April 2024
- **BEGARI PRAVEEN** has received certificate for completing a course on Aircraft Design by IIT KANPUR (NPTEL) in April 2024
- **G B DAMODHAR** has received certificate for completing a course on Aircraft Design by IIT KANPUR (NPTEL) in April 2024
- **GONE SHASHANK** has received certificate for completing a course on Aircraft Design by IIT KANPUR (NPTEL) in April 2024
- **GOPI PAVANI** has received certificate for completing a course on Aircraft Design by IIT KANPUR (NPTEL) in April 2024

NEWS-LETTER

STUDENT ACHIEVEMENTS

- **GOURISHETTY SOWMYA** has received certificate for completing a course on Aircraft Design by IIT KANPUR (NPTEL) in April 2024
- **GOVINDU SHREELAYA** has received certificate for completing a course on Aircraft Design by IIT KANPUR (NPTEL) in April 2024
- **IBRAHIM AHMED** has received certificate for completing a course on Aircraft Design by IIT KANPUR (NPTEL) in April 2024
- **ISHAAN SURI** has received certificate for completing a course on Aircraft Design by IIT KANPUR (NPTEL) in April 2024
- **JOGANNAGARI AJAY KUMAR REDDY** has received certificate for completing a course on Aircraft Design by IIT KANPUR (NPTEL) in April 2024
- **SRENIK KUMAR** has received certificate for completing a course on Aircraft Design by IIT KANPUR (NPTEL) in April 2024
- **PRANATHI KODIDASU** has received certificate for completing a course on Aircraft Design by IIT KANPUR (NPTEL) in April 2024
- **KUMMARI VYSHNAVI** has received certificate for completing a course on Aircraft Design by IIT KANPUR (NPTEL) in April 2024

NEWS-LETTER

STUDENT ACHIEVEMENTS

- **LAKA HARSHITA YADAV** has received certificate for completing a course on Aircraft Design by IIT KANPUR (NPTEL) in April 2024
- **LINGAM SAI VINAY** has received certificate for completing a course on Aircraft Design by IIT KANPUR (NPTEL) in April 2024
- **M GUNASRI** has received certificate for completing a course on Aircraft Design by IIT KANPUR (NPTEL) in April 2024
- **MANSI TIWARI** has received certificate for completing a course on Aircraft Design by IIT KANPUR (NPTEL) in April 2024
- **MUDAVATH SUNIL** has received certificate for completing a course on Aircraft Design by IIT KANPUR (NPTEL) in April 2024
- **PARTH JALA** has received certificate for completing a course on Aircraft Design by IIT KANPUR (NPTEL) in April 2024
- **POLOJU SAIKIRAN** has received certificate for completing a course on Aircraft Design by IIT KANPUR (NPTEL) in April 2024
- **PUNJALA HARSHA VARDHAN** has received certificate for completing a course on Aircraft Design by IIT KANPUR (NPTEL) in April 2024
- **SANDU LIKHITHA SAI** has received certificate for completing a course on Aircraft Design by IIT KANPUR (NPTEL) in April 2024

NEWS-LETTER

STUDENT ACHIEVEMENTS

- **THALLA PRATHYUSHA** has received certificate for completing a course on Aircraft Design by IIT KANPUR (NPTEL) in April 2024
- **UDUTHA ABHINAY RAJ** has received certificate for completing a course on Aircraft Design by IIT KANPUR (NPTEL) in April 2024
- **MANIDEEP VODELA** has received certificate for completing a course on Aircraft Design by IIT KANPUR (NPTEL) in April 2024
- **YAMJALA ANUSHA** has received certificate for completing a course on Aircraft Design by IIT KANPUR (NPTEL) in April 2024
- **YATRA KRISHNA KUMARI** has received certificate for completing a course on Aircraft Design by IIT KANPUR (NPTEL) in April 2024
- **KAMESWARI BUSSALA** has received certificate for completing a course on Fundamentals of Theoretical and Experimental Aerodynamics by IIT KHARAGPUR (NPTEL) in April 2024
- **CH ISHIKA** has received certificate for completing a course on Fundamentals of Theoretical and Experimental Aerodynamics by IIT KHARAGPUR (NPTEL) in April 2024
- **DARRU RAMU** has received certificate for completing a course on Fundamentals of Theoretical and Experimental Aerodynamics by IIT KHARAGPUR (NPTEL) in April 2024

NEWS-LETTER

STUDENT ACHIEVEMENTS

- ANUSHA has received certificate for completing a course on Fundamentals of Theoretical and Experimental Aerodynamics by IIT KHARAGPUR (NPTEL) in April 2024
- GEETIKA V C has received certificate for completing a course on Fundamentals of Theoretical and Experimental Aerodynamics by IIT KHARAGPUR (NPTEL) in April 2024
- GURRAM PRANAV has received certificate for completing a course on Fundamentals of Theoretical and Experimental Aerodynamics by IIT KHARAGPUR (NPTEL) in April 2024
- IREDDY ADHITYA SHASHANKREDDY has received certificate for completing a course on Fundamentals of Theoretical and Experimental Aerodynamics by IIT KHARAGPUR (NPTEL) in April 2024
- K KEERTHANA has received certificate for completing a course on Fundamentals of Theoretical and Experimental Aerodynamics by IIT KHARAGPUR (NPTEL) in April 2024
- KHARCHAWALE SARWANI has received certificate for completing a course on Fundamentals of Theoretical and Experimental Aerodynamics by IIT KHARAGPUR (NPTEL) in April 2024
- UHA REDDY has received certificate for completing a course on Fundamentals of Theoretical and Experimental Aerodynamics by IIT KHARAGPUR (NPTEL) in April 2024

NEWS-LETTER

STUDENT ACHIEVEMENTS

- **MUKESH MATURI** has received certificate for completing a course on Fundamentals of Theoretical and Experimental Aerodynamics by IIT KHARAGPUR (NPTEL) in April 2024
- **MIDDE NARESH** has received certificate for completing a course on Fundamentals of Theoretical and Experimental Aerodynamics by IIT KHARAGPUR (NPTEL) in April 2024
- **NANDIGAM BALAKRISHNA** has received certificate for completing a course on Fundamentals of Theoretical and Experimental Aerodynamics by IIT KHARAGPUR (NPTEL) in April 2024
- **PILLI RAJU** has received certificate for completing a course on Fundamentals of Theoretical and Experimental Aerodynamics by IIT KHARAGPUR (NPTEL) in April 2024
- **RENUMALA SASHI KUMAR** has received certificate for completing a course on Fundamentals of Theoretical and Experimental Aerodynamics by IIT KHARAGPUR (NPTEL) in April 2024
- **SARAF ROHAN** has received certificate for completing a course on Fundamentals of Theoretical and Experimental Aerodynamics by IIT KHARAGPUR (NPTEL) in April 2024
- **SHAMIRPET KEERTHANA** has received certificate for completing a course on Fundamentals of Theoretical and Experimental Aerodynamics by IIT KHARAGPUR (NPTEL) in April 2024

NEWS-LETTER

STUDENT ACHIEVEMENTS

- **SURYAN BISOYI** has received certificate for completing a course on Fundamentals of Theoretical and Experimental Aerodynamics by IIT KHARAGPUR (NPTEL) in April 2024
- **THAKUR RITHIKA SINGH** has received certificate for completing a course on Fundamentals of Theoretical and Experimental Aerodynamics by IIT KHARAGPUR (NPTEL) in April 2024
- **SHASHANK** has received certificate for completing a course on AIRCRAFT DESIGN by IIT KANPUR (NPTEL) in April 2024
- **TEKULAPALLY SAKETH REDDY** has received certificate for completing a course on AIRCRAFT DESIGN by IIT KANPUR (NPTEL) in April 2024
- **SHAIK MOHAMMED ADIB AYUB** has received certificate for completing a course on AIRCRAFT DESIGN by IIT KANPUR (NPTEL) in April 2024
- **KAVALA SUKUMAR STALIN** has received certificate for completing a course on AIRCRAFT DESIGN by IIT KANPUR (NPTEL) in April 2024
- **TEGALA SAI KRISHNA GOUD** has received certificate for completing a course on AIRCRAFT DESIGN by IIT KANPUR (NPTEL) in April 2024

NEWS-LETTER

STUDENT ACHIEVEMENTS

- SAI KIRAN OF III BTECH HAS SECURED BRONZE MEDAL in MENS 800 mtr Running at NIRBHAY 2K24
- NIKHIL OF II BTECH HAS SECURED GOLD MEDAL in MENS SHOT-PUT at NIRBHAY 2K24
- MASHABOINA SUSHMITHA received an Award for Academic Topper on 4 th May 2024
- N. TANISHKA won the Arts Inter Departmental Competition on 4 th May 2024
- NIVAS and YASHWANT won Silver Medal in singing in the Inter Departmental Competition on 4 th May 2024

NEWS-LETTER

PO'S

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NEWS-LETTER

PO'S

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AERO EXPRESS

DEPARTMENT OF AERONAUTICAL ENGINEERING



PUBLISHER'S

FACULTY CO-ORDINATOR
MR.N.UDAY RANJAN GOUD

STUDENT CO-ORDINATOR
Mrudula Girhepuje
A.Sai Praneeth

"To succeed in your mission, you must have single-minded devotion to your goal."

NEWS-LETTER

JULY- SEPT 2024

DEPARTMENT OF AERONAUTICAL ENGINEERING

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HIGHLIGHT

DEPARTMENTAL ACHIEVEMENTS

FACULTY ACHIEVEMENTS

STUDENT ACHIEVEMENTS

NEWS-LETTER

PROGRAM EDUCATIONAL OBJECTIVES :

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-
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NEWS-LETTER

DEPARTMENTAL ACHIEVEMENTS

- The Department of Aeronautical Engineering participated in the Plantation program in July.
- The Department of Aeronautical Engineering honoured the memory of Dr. A P J on his death anniversary on 26.07.2024.

NEWS-LETTER

STUDENT ACHIEVEMENTS

- Ms. L Harshita Yadav, has secured Best Innovation First Prize under Micro class in the 9th SAEINDIA Southern Section Drone Development Challenge 2024 held at SRM Institute of sciences and technology from 29.08.2024 to 31.08.2024.
- Mr. CH Paul, has secured Best Innovation First Prize under Micro class in the 9th SAEINDIA Southern Section Drone Development Challenge 2024 held at SRM Institute of sciences and technology from 29.08.2024 to 31.08.2024.
- Mr.P Sriram, has secured Best Innovation First Prize under Micro class in the 9th SAEINDIA Southern Section Drone Development Challenge 2024 held at SRM Institute of sciences and technology from 29.08.2024 to 31.08.2024.
- Mr. Abdul Hafeez, has secured Best Innovation First Prize under Micro class in the 9th SAEINDIA Southern Section Drone Development Challenge 2024 held at SRM Institute of sciences and technology from 29.08.2024 to 31.08.2024.
- Mr. Abdul Gafoorl, has secured Best Innovation First Prize under Micro class in the 9th SAEINDIA Southern Section Drone Development Challenge 2024 held at SRM Institute of sciences and technology from 29.08.2024 to 31.08.2024.
- Mr. A.Vinay, has secured Best Innovation First Prize under Micro class in the 9th SAEINDIA Southern Section Drone Development Challenge 2024 held at SRM Institute of sciences and technology from 29.08.2024 to 31.08.2024.

NEWS-LETTER

STUDENT ACHIEVEMENTS

- Mr. Suryan Bisoyi, has secured Best Innovation First Prize under Micro class in the 9th SAEINDIA Southern Section Drone Development Challenge 2024 held at SRM Institute of sciences and technology from 29.08.2024 to 31.08.2024.
- Mr. D Ramu, has secured Best Innovation First Prize under Micro class in the 9th SAEINDIA Southern Section Drone Development Challenge 2024 held at SRM Institute of sciences and technology from 29.08.2024 to 31.08.2024.
- Mr. Ishaan Suri, has secured Best Innovation Second Prize under Regular class in the 9th SAEINDIA Southern Section Drone Development Challenge 2024 held at SRM Institute of sciences and technology from 29.08.2024 to 31.08.2024.
- Mr.Srenik Kumar, has secured Best Innovation Second Prize under Regular class in the 9th SAEINDIA Southern Section Drone Development Challenge 2024 held at SRM Institute of sciences and technology from 29.08.2024 to 31.08.2024.
- Mr.Parth Jala, has secured Best Innovation Second Prize under Regular class in the 9th SAEINDIA Southern Section Drone Development Challenge 2024 held at SRM Institute of sciences and technology from 29.08.2024 to 31.08.2024.
- Mr.Ajay Kumar Reddy, has secured Best Innovation Second Prize under Regular class in the 9th SAEINDIA Southern Section Drone Development Challenge 2024 held at SRM Institute of sciences and technology from 29.08.2024 to 31.08.2024.

NEWS-LETTER

STUDENT ACHIEVEMENTS

- **Mr.G Shanshank, has secured Best Innovation Second Prize under Regular class in the 9th SAEINDIA Southern Section Drone Development Challenge 2024 held at SRM Institute of sciences and technology from 29.08.2024 to 31.08.2024.**
- **Mr. Ibrahim Ahmed, has secured Best Innovation Second Prize under Regular class in the 9th SAEINDIA Southern Section Drone Development Challenge 2024 held at SRM Institute of sciences and technology from 29.08.2024 to 31.08.2024.**
- **Mr. G Pranav, has secured Best Innovation Second Prize under Regular class in the 9th SAEINDIA Southern Section Drone Development Challenge 2024 held at SRM Institute of sciences and technology from 29.08.2024 to 31.08.2024.**
- **Mr. Harsh Vardan Rao, has secured Best Innovation Second Prize under Regular class in the 9th SAEINDIA Southern Section Drone Development Challenge 2024 held at SRM Institute of sciences and technology from 29.08.2024 to 31.08.2024.**
- **Mr. Azam Irfaan, has secured Best Innovation Second Prize under Regular class in the 9th SAEINDIA Southern Section Drone Development Challenge 2024 held at SRM Institute of sciences and technology from 29.08.2024 to 31.08.2024.**
- **Mr. Ishaan Suri, has secured Best Technical Presentation Third Prize in the 9th SAEINDIA Southern Section Drone Development Challenge 2024 held at SRM Institute of sciences and technology from 29.08.2024 to 31.08.2024.**

NEWS-LETTER

STUDENT ACHIEVEMENTS

- **Mr.Srenik Kumar**,has secured **Best Technical Presentation Third Prize** in the **9th SAEINDIA Southern Section Drone Development Challenge 2024** held at **SRM Institute of sciences and technology** from **29.08.2024 to 31.08.2024**.
- **Mr.Parth Jala**,has secured **Best Technical Presentation Third Prize** in the **9th SAEINDIA Southern Section Drone Development Challenge 2024** held at **SRM Institute of sciences and technology** from **29.08.2024 to 31.08.2024**.
- **Mr.Ajay Kumar Reddy**,has secured **Best Technical Presentation Third Prize** in the **9th SAEINDIA Southern Section Drone Development Challenge 2024** held at **SRM Institute of sciences and technology** from **29.08.2024 to 31.08.2024**.
- **Mr.G Shanshank**,has secured **Best Technical Presentation Third Prize** in the **9th SAEINDIA Southern Section Drone Development Challenge 2024** held at **SRM Institute of sciences and technology** from **29.08.2024 to 31.08.2024**.
- **Mr. Ibrahim Ahmed**,has secured **Best Technical Presentation Third Prize** in the **9th SAEINDIA Southern Section Drone Development Challenge 2024** held at **SRM Institute of sciences and technology** from **29.08.2024 to 31.08.2024**.
- **Mr. G Pranav**,has secured **Best Technical Presentation Third Prize** in the **9th SAEINDIA Southern Section Drone Development Challenge 2024** held at **SRM Institute of sciences and technology** from **29.08.2024 to 31.08.2024**.

NEWS-LETTER

STUDENT ACHIEVEMENTS

- Mr. Harsh Vardan Rao, has secured Best Technical Presentation Third Prize in the 9th SAEINDIA Southern Section Drone Development Challenge 2024 held at SRM Institute of sciences and technology from 29.08.2024 to 31.08.2024.
- Mr. Azam Irfaan ,has secured Best Technical Presentation Third Prize in the 9th SAEINDIA Southern Section Drone Development Challenge 2024 held at SRM Institute of sciences and technology from 29.08.2024 to 31.08.2024.
- Ms. L Harshita Yadav, participated in the 9th SAEINDIA Southern Section Drone Development Challenge 2024 held at SRM Institute of sciences and technology from 29.08.2024 to 31.08.2024.
- Mr. CH Paul, participated in the 9th SAEINDIA Southern Section Drone Development Challenge 2024 held at SRM Institute of sciences and technology from 29.08.2024 to 31.08.2024.
- Mr.P Sriram ,participated in the 9th SAEINDIA Southern Section Drone Development Challenge 2024 held at SRM Institute of sciences and technology from 29.08.2024 to 31.08.2024.
- Mr. Abdul Hafeez ,participated in the 9th SAEINDIA Southern Section Drone Development Challenge 2024 held at SRM Institute of sciences and technology from 29.08.2024 to 31.08.2024.
- Mr. Abdul Gafoorl ,participated in the 9th SAEINDIA Southern Section Drone Development Challenge 2024 held at SRM Institute of sciences and technology from 29.08.2024 to 31.08.2024.

NEWS-LETTER

STUDENT ACHIEVEMENTS

- Mr. A.Vinay participated in the 9th SAEINDIA Southern Section Drone Development Challenge 2024 held at SRM Institute of sciences and technology from 29.08.2024 to 31.08.2024.
- Mr. Suryan Bisoyi, participated in the 9th SAEINDIA Southern Section Drone Development Challenge 2024 held at SRM Institute of sciences and technology from 29.08.2024 to 31.08.2024.
- Mr. D Ramu, participated in the 9th SAEINDIA Southern Section Drone Development Challenge 2024 held at SRM Institute of sciences and technology from 29.08.2024 to 31.08.2024.
- Mr. Ishaan Suri, participated in the 9th SAEINDIA Southern Section Drone Development Challenge 2024 held at SRM Institute of sciences and technology from 29.08.2024 to 31.08.2024.
- Mr. Srenik Kumar, participated in the 9th SAEINDIA Southern Section Drone Development Challenge 2024 held at SRM Institute of sciences and technology from 29.08.2024 to 31.08.2024.
- Mr. Parth Jala, participated in the 9th SAEINDIA Southern Section Drone Development Challenge 2024 held at SRM Institute of sciences and technology from 29.08.2024 to 31.08.2024.
- Mr. Ajay Kumar Reddy, participated in the 9th SAEINDIA Southern Section Drone Development Challenge 2024 held at SRM Institute of sciences and technology from 29.08.2024 to 31.08.2024.

NEWS-LETTER

STUDENT ACHIEVEMENTS

- Mr.Shanshank, participated in the 9th SAEINDIA Southern Section Drone Development Challenge 2024 held at SRM Institute of sciences and technology from 29.08.2024 to 31.08.2024.
- Mr. Ibrahim Ahmed ,participated in the 9th SAEINDIA Southern Section Drone Development Challenge 2024 held at SRM Institute of sciences and technology from 29.08.2024 to 31.08.2024.
- Mr. G Pranav, participated in the 9th SAEINDIA Southern Section Drone Development Challenge 2024 held at SRM Institute of sciences and technology from 29.08.2024 to 31.08.2024.
- Mr. Harsh Vardan Rao, participated in the 9th SAEINDIA Southern Section Drone Development Challenge 2024 held at SRM Institute of sciences and technology from 29.08.2024 to 31.08.2024.
- Mr. Azam Irfaan, participated in the 9th SAEINDIA Southern Section Drone Development Challenge 2024 held at SRM Institute of sciences and technology from 29.08.2024 to 31.08.2024.
- Ms.Likitha Sai, participated in the 9th SAEINDIA Southern Section Drone Development Challenge 2024 held at SRM Institute of sciences and technology from 29.08.2024 to 31.08.2024.
- Ms Mansi Tiwari ,participated in the 9th SAEINDIA Southern Section Drone Development Challenge 2024 held at SRM Institute of sciences and technology from 29.08.2024 to 31.08.2024.

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STUDENT ACHIEVEMENTS

- B Sahithi,,participated in the 9th SAEINDIA Southern Section Drone Development Challenge 2024 held at SRM Institute of sciences and technology from 29.08.2024 to 31.08.2024.
- Ms Guna Sri, participated in the 9th SAEINDIA Southern Section Drone Development Challenge 2024 held at SRM Institute of sciences and technology from 29.08.2024 to 31.08.2024.
- Ms Aditi ,participated in the 9th SAEINDIA Southern Section Drone Development Challenge 2024 held at SRM Institute of sciences and technology from 29.08.2024 to 31.08.2024.
- Ms Shreelaya,,participated in the 9th SAEINDIA Southern Section Drone Development Challenge 2024 held at SRM Institute of sciences and technology from 29.08.2024 to 31.08.2024.
- Ms Prayudhi,,participated in the 9th SAEINDIA Southern Section Drone Development Challenge 2024 held at SRM Institute of sciences and technology from 29.08.2024 to 31.08.2024.
- Ms Manasvini,,participated in the 9th SAEINDIA Southern Section Drone Development Challenge 2024 held at SRM Institute of sciences and technology from 29.08.2024 to 31.08.2024.
- Ms Mansa,,participated in the 9th SAEINDIA Southern Section Drone Development Challenge 2024 held at SRM Institute of sciences and technology from 29.08.2024 to 31.08.2024.

NEWS-LETTER

STUDENT ACHIEVEMENTS

- Ms Keerthana,,participated in the 9th SAEINDIA Southern Section Drone Development Challenge 2024 held at SRM Institute of sciences and technology from 29.08.2024 to 31.08.2024.
- Mr Sai Praneeth, has been nominated to participate in Smart India Hackathon 2024 on 13.09.2024.
- Mr Nikxith Reddy, has been nominated to participate in Smart India Hackathon 2024 on 13.09.2024.
- Mr Lakshman, has been nominated to participate in Smart India Hackathon 2024 on 13.09.2024.
- Mr. Lucky, has been nominated to participate in Smart India Hackathon 2024 on 13.09.2024.
- Ms Shiney, has been nominated to participate in Smart India Hackathon 2024 on 13.09.2024.
- Ms Himaja, has been nominated to participate in Smart India Hackathon 2024 on 13.09.2024.
- Mr Surya Ravi Teja, has been nominated to participate in Smart India Hackathon 2024 on 13.09.2024.
- Mr.L Sai vinay, has been nominated to participate in Smart India Hackathon 2024 on 13.09.2024.
- Mr.Sai Kiran, has been nominated to participate in Smart India Hackathon 2024 on 13.09.2024.
- Mr Ram Singh, has been nominated to participate in Smart India Hackathon 2024 on 13.09.2024.
- Mr Y Adithya Vardan, has been nominated to participate in Smart India Hackathon 2024 on 13.09.2024.
- Ms Soundarya Lahari, has been nominated to participate in Smart India Hackathon 2024 on 13.09.2024.

NEWS-LETTER

STUDENT ACHIEVEMENTS

- Mr. Adam, has secured 1st Prize in Photography competition conducted by NSS at MLRIT on 24.09.2024.
- Mr. Rohan has secured 2nd Prize in Debate competition conducted by NSS at MLRIT on 24.09.2024.
- Ms Keerthana has secured 2nd Prize in Debate competition conducted by NSS at MLRIT on 24.09.2024.
- Ms Likitha Sai has secured 1st Prize in Idea Presentation of MEGISTECH-24 at MGIT on 13 & 14.07.2024.
- Mr P Sriram has secured 1st Prize in Idea Presentation of MEGISTECH-24 at MGIT on 13 & 14.07.2024.
- Mr CH Paul has secured 1st Prize in Idea Presentation of MEGISTECH-24 at MGIT on 13 & 14.07.2024

NEWS-LETTER

FACULTY ACHIEVEMENTS

- Mr. Arun Kumar, associate professor has given a presentation on registration of YUKTHI PROGRAM at MLRIT on 04.07.2024
- Dr. Satyanarayana Gupta, Professor and HOD has attended a quality education program organized by JNTU-H on 13.07.2024.
- Mr. N Uday Ranjan Goud, Assistant Professor has attended a quality education program organized by JNTU-H on 13.07.2024.
- Mr. N Uday Ranjan Goud, Assistant Professor has attended Annual Body Meeting and Technical Meeting program on Aerospace Luminary Lecture Series organized by The Aeronautical Society of India on 14.07.2024.
- Mr. Nirmal Mishra, Assistant Professor has attended Annual Body Meeting and Technical Meeting program on Aerospace Luminary Lecture Series organized by The Aeronautical Society of India on 14.07.2024.
- Mr. S Sreekanth, Assistant Professor has attended Annual Body Meeting and Technical Meeting program on Aerospace Luminary Lecture Series organized by The Aeronautical Society of India on 14.07.2024.
- Mr. B Nagaraj Goud, Assistant Professor has attended Annual Body Meeting and Technical Meeting program on Aerospace Luminary Lecture Series organized by The Aeronautical Society of India on 14.07.2024.

NEWS-LETTER

FACULTY ACHIEVEMENTS

- Mr. N Uday Ranjan Goud, Assistant Professor and NSS program officer has attended as a Guest speaker at Guru Nanak Institute of Technology on 24.0 and took a session on The role of NSS Volunteers in nation building quality in education program organized by JNTU-H on 13.07.2024.
- Mr. A Sai Kumar, associate professor has attended as a resource person for the faculty Development program on Innovative Design Pedagogy: Mastering Fusion 360 for educators organized at MLRIT from 15.07.2024 to 20.07.2024.
- Mr. N Uday Ranjan Goud, Assistant Professor has attended an awareness program on Education on safe and unsafe touch organized by JNTU-H on 13.07.2024.
- Dr. Vivek Anand, Professor has been nominated as a Board of Studies member for Aeronautical and Mechanical courses in Malla Reddy College of Engineering and Technology on 03.07.2024.
- Dr. Satyanarayana Gupta, Professor and HOD has been nominated as a Board of Studies member for UG&PG courses in Mechanical Engineering in Viswam Engineering College, AP on 18.07.2024.
- Mr. N Uday Ranjan Goud, Assistant Professor and NSS Program Officer has received ANVSA Philanthropist award for his excellent contribution in social impact and community betterment from ANVSA foundation on 28.07.2024.
- Mr. A Sai Kumar, associate professor has received a certificate of appreciation for attending SAEISS DDC organized by SAEINDIA from 29.08.2024 to 31.08.2024.

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FACULTY ACHIEVEMENTS

- Dr. Satyanarayana Gupta, Professor and HOD has attended as a resource person for the faculty Development program on Innovative Design Pedagogy: Mastering Fusion 360 for educators organized at MLRIT from 15.07.2024 to 20.07.2024.
- Mr. Arun Kumar, assistant professor has attended as a resource person for the faculty Development program on Innovative Design Pedagogy: Mastering Fusion 360 for educators organized at MLRIT from 15.07.2024 to 20.07.2024.
- Dr. Satyanarayana Gupta, Professor and HOD has received a certificate for coordinating the online training course on AI/ML for Geodata Analysis conducted by ISRO during from 19.08.2024 to 23.08.2024.
- Dr. Satyanarayana Gupta, Professor and HOD has published a paper on Agricultural By-products: Optimizing Production of Activated Carbon using the Taguchi Method in 2024.
- Mr. Arun Kumar, assistant professor has published a paper on Hybrid Wind-Solar System with UPQC in 2024.
- Mr. A Sai Kumar, associate professor has published a paper on Green Energy Storage Solutions: A Research in 2024.

NEWS-LETTER

FACULTY ACHIEVEMENTS

- Mr.K Veeranjanyulu , assistant professor has published a paper on Experimental Investigation into the Impact of Substituting Natural Sand with Manufactured Sand in Landfill Construction in 2024.
- Mr.M Ganesh , assistant professor has published a paper on Comparative Analysis of Various Bracing Configurations and Their Impact on Elevated Water Tank Performance in 2024.
- Mr. Vivek Anand , assistant professor, has published a paper on Comparative Analysis for Titanium alloy and Silicon Nitride (Si_3N_4) of Thermal Analysis for Deep Groove Ball Bearing in 2024.
- Ms. Sravanthi , assistant professor has published a paper on Comparative Study of RCC Rectangular Underground Water Tanks Considering earth quake and without earth quake condition in 2024.
- Mr B Manideep , assistant professor has published a paper on Comparative Study Dynamics Analysis of Multi-story Building with and without a Floating Column in 2024.

NEWS-LETTER

FACULTY ACHIEVEMENTS

- Mr. Nirmith Mishra, Assistant Professor has published a paper on Water and Hydrology: Challenges, Sustainable Strategies and Future Trends in 2024.
- Mr. N Uday Ranjan Goud, Assistant Professor has published a paper on Comparative analysis of RCC and PT Slabs underneath Lateral Loading: A Structural study using ETABS in 2024.
- Mr. B Nagaraj Goud, Assistant Professor has published a paper on Construction and Seismic Performance Evaluation of Concrete Water Tanks in 2024.
- Mr. Arun Kumar, assistant professor has published a paper on Development of statistical and soft computing regression models for WEDM machining of aluminum composites in 2024.
- Mr. Arun Kumar, assistant professor has published a paper on Meta-Heuristic Algorithms for Optimal Sizing of HRES in 2024.
- Mr. Arun Kumar, assistant professor has received a certificate of participation for FACULTY DEVELOPMENT PROGRAMME ON AUTODESK-FUSION: GENERATIVE AI AND SIMULATION at Design labs on 27.07.2024.

NEWS-LETTER

FACULTY ACHIEVEMENTS

- Mr. Vivek Anand , assistant professor, has received a certificate of participation for active participation in “Sustainability and Research in Modern Mechanical Engineering” from 23rd to 27th September 2024, organized by the Department of Mechanical Engineering, Madanapalle Institute of Technology & Science, Andhra Pradesh, India.
- Mr. Nirmal Mishra, Assistant Professor has attended as a resource person for the faculty Development program on Innovative Design Pedagogy: Mastering Fusion 360 for educators organized at MLRIT from 15.07.2024 to 20.07.2024.
- Mr. Vivek Anand , assistant professor, has attended as a resource person for the faculty Development program on Innovative Design Pedagogy: Mastering Fusion 360 for educators organized at MLRIT from 15.07.2024 to 20.07.2024.
- Mr B Manideep , assistant professor has attended as a resource person for the faculty Development program on Innovative Design Pedagogy: Mastering Fusion 360 for educators organized at MLRIT from 15.07.2024 to 20.07.2024.
- Mr. S Sreekanth, Assistant Professor has attended as a resource person for the faculty Development program on Innovative Design Pedagogy: Mastering Fusion 360 for educators organized at MLRIT from 15.07.2024 to 20.07.2024.

NEWS-LETTER

FACULTY ACHIEVEMENTS

- Mr. B Nagaraj Goud, Assistant Professor has attended as a resource person for the faculty Development program on Innovative Design Pedagogy: Mastering Fusion 360 for educators organized at MLRIT from 15.07.2024 to 20.07.2024.
- Mr. N Uday Ranjan Goud, Assistant Professor has attended as a resource person for the faculty Development program on Innovative Design Pedagogy: Mastering Fusion 360 for educators organized at MLRIT from 15.07.2024 to 20.07.2024.
- Mr.M Ganesh , assistant professor, has attended as a resource person for the faculty Development program on Innovative Design Pedagogy: Mastering Fusion 360 for educators organized at MLRIT from 15.07.2024 to 20.07.2024.
- Mr.K Veeranjaneyulu , assistant professor has attended as a resource person for the faculty Development program on Innovative Design Pedagogy: Mastering Fusion 360 for educators organized at MLRIT from 15.07.2024 to 20.07.2024.
- Mr B Manideep , assistant professor has received a certificate of participation for FACULTY DEVELOPMENT PROGRAMME ON AUTODESK-FUSION: GENERATIVE AI AND SIMULATION at Design labs on 27.07.2024.

NEWS-LETTER

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NEWS-LETTER

FACULTY ACHIEVEMENTS

- Mr. A Sai Kumar, associate professor has received a certificate of participation for FACULTY DEVELOPMENT PROGRAMME ON AUTODESK-FUSION: GENERATIVE AI AND SIMULATION at Design labs on 27.07.2024.
- Mr. B Nagaraj Goud, Assistant Professor has received a certificate of participation for FACULTY DEVELOPMENT PROGRAMME ON AUTODESK-FUSION: GENERATIVE AI AND SIMULATION at Design labs on 27.07.2024.
- Mr. S Sreekanth, Assistant Professor has received a certificate of participation for FACULTY DEVELOPMENT PROGRAMME ON AUTODESK-FUSION: GENERATIVE AI AND SIMULATION at Design labs on 27.07.2024.
- Mr. Arun Kumar, assistant professor has received a certificate of participation for Online short term course in Lifestyle and stress management from 23.07.2024 to 29.07.2024.
- Mr. Vivek Anand , assistant professor, has published a patent application on COIR REINFORCED JAGGERY COMPOSITE on :12.07.2024.
- Mr. B Nagaraj Goud, Assistant Professor has received a certificate of registration for DOMESTIC GAS CYLINDER CARRIER from Intellectual property of India on 31.07.2024.

NEWS-LETTER

FACULTY ACHIEVEMENTS

- Mr .M Ganesh , assistant professor, has registered for patent design for :METAL MATRIX COMPOSITES WITH NANO FILLERS on 13.09.2024.
- Mr. Vivek Anand , assistant professor, has registered for patent design for LAN CABLE ORGANIZER from Intellectual property of India on 31.07.2024.
- Mr. Vivek Anand , assistant professor, has registered for patent design for FOLDER HOLDER from Intellectual property of India on 31.07.2024.
- Dr. Satyanarayana Gupta, Professor and HOD has registered for patent design for VEGETABLE CUTTING GUARD from Intellectual property of India on 31.07.2024.

NEWS-LETTER

PO'S

- **PO1: Engineering Knowledge:** Apply knowledge of mathematics, natural science, computing, engineering fundamentals and an engineering specialization as specified in WK1 to WK4 respectively to develop to the solution of complex engineering problems.
- **PO2: Problem Analysis:** Identify, formulate, review research literature and analyze complex engineering problems reaching substantiated conclusions with consideration for sustainable development.
- **PO3: Design/Development of Solutions:** Design creative solutions for complex engineering problems and design/develop systems/components/processes to meet identified needs with consideration for the public health and safety, whole-life cost, net zero carbon, culture, society and environment as required.
- **PO4: Conduct Investigations of Complex Problems:** Conduct investigations of complex engineering problems using research-based knowledge including design of experiments, modelling, analysis & interpretation of data to provide valid conclusions.
- **PO5: Engineering Tool Usage:** Create, select and apply appropriate techniques, resources and modern engineering & IT tools, including prediction and modelling recognizing their limitations to solve complex engineering problems.
- **PO6: The Engineer and The World:** Analyze and evaluate societal and environmental aspects while solving complex engineering problems for its impact on sustainability with reference to economy, health, safety, legal framework, culture and environment.

NEWS-LETTER

PO'S

- **PO7: Ethics:** Apply ethical principles and commit to professional ethics, human values, diversity and inclusion; adhere to national & international laws.
- **PO8: Individual and Collaborative Team work:** Function effectively as an individual, and as a member or leader in diverse/multi-disciplinary teams.
- **PO9: Communication:** Communicate effectively and inclusively within the engineering community and society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations considering cultural, language, and learning differences
- **PO10: Project Management and Finance:** Apply knowledge and understanding of engineering management principles and economic decision-making and apply these to one's own work, as a member and leader in a team, and to manage projects and in multidisciplinary environments.
- **PO11: Life-Long Learning:** Recognize the need for, and have the preparation and ability for i) independent and life-long learning ii) adaptability to new and emerging technologies and iii) critical thinking in the broadest context of technological change.