AERO EXPRESS DEPARTMENT OF AERONAUTICAL ENGINEERING

PUBLISHER'S

FACULTY CO-ORDINATOR

MR.N.UDAY RANJAN GOUD

STUDENT CO-ORDINATOR

Simon
Ajay
Sahithi

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

AERO EXPRESS

NEWS-LETTER

DEPARTMENT OF AERONAUTICAL ENGINEERING

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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 undertake research and Innovation that will contribute to the industrial development of the nation.

HIGHLIGHT

DEPARTMENTAL ACHIEVEMENTS

STUDENT ACHIEVEMENTS

FACULTY ACHIEVEMENTS

JAN 2022
VOL I

AERO EXPRESS

NEWS-LETTER

PROGRAMEDUCATIONALOBJECTIVES :

- **PEO1:**To preparethestudentstoexcel in Aeronautical engineering andmould theircareers for successful employment in industrial, academicand 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.
- **PSO2:** Recognize the challenging and rewarding careers in the field of Aerospace Engineering.

JAN 2022
VOL I

AERO EXPRESS

NEWS-LETTER

DEPARTMENTAL ACHIEVEMENTS

- **The Department of Aeronautical Engineering has conducted a SOLID WORKS CERTIFICATION PROGRAM with DASSAULT SYSTEMS at MLRIT on 29.12.2021. The Department of Aeronautical**
- **Engineering has conducted an event INSPIRATION 2021 at MLRIT on 15.10.2021.**

- **The Department of Aeronautical Engineering conducted a PROJECT EXPO at MLRIT on 06.12.2021.**

JAN 2022
VOL I

AERO EXPRESS

NEWS-LETTER

STUDENT ACHIEVEMENTS

- Ms.BHUVANA CHANDRIKA JONNADA , has secured Second Prize under Best video presentation at SAE ADC REGULAR on 15.10.2021. Mr. Sai Sarath , has
- secured Second Prize under Best video presentation at SAE ADC REGULAR on 15.10.2021. Mr B Vishal , has secured Second Prize under Best video
- presentation at SAE ADC REGULAR on 15.10.2021.

- Mr Viabhav Kumar Shah , has secured Second Prize under Best video presentation at SAE ADC REGULAR on 15.10.2021. Mr A Rishwanth, has
- secured Second Prize under Best video presentation at SAE ADC REGULAR on 15.10.2021. Mr B Ajay Kumar , has secured Second Prize under Best video
- presentation at SAE ADC REGULAR on 15.10.2021. Mr A Manideep , has secured Second Prize under Best video presentation at SAE ADC REGULAR on
- 15.10.2021. Mr VENKATA SAI BHANUDEEP G , has secured FIRST place in DESIGN REPORT under REGULAR CLASS at SAE ADC REGULAR on
- 15.10.2021. Mr SAISURYATEJA P , has secured FIRST place in DESIGN REPORT under REGULAR CLASS at SAE ADC REGULAR on 15.10.2021. Mr Raju , has
- secured FIRST place in DESIGN REPORT under REGULAR CLASS at SAE ADC REGULAR on 15.10.2021.
-

JAN 2022
VOL I

AERO EXPRESS

NEWS-LETTER

STUDENT ACHIEVEMENTS

- Mr VISHAL KUMAR YADAV has secured FIRST place in DESIGN REPORT under REGULAR CLASS at SAE ADC REGULAR on 15.10.2021. Mr MD
- ABRAR AHMED, has secured FIRST place in DESIGN REPORT under REGULAR CLASS at SAE ADC REGULAR on 15.10.2021 Mr LOKESH REDDY
- K, has secured FIRST place in DESIGN REPORT under REGULAR CLASS at
  SAE ADC REGULAR on 15.10.2021. Mr RAJESH B,
- has secured FIRST place in DESIGN REPORT under REGULAR CLASS at SAE ADC REGULAR on 15.10.2021. Ms MUSKAANPRASAD , has secured
- THIRD place under MICRO CLASS in DESIGN REPORT at SAE ADC micro class on 15.10.2021. Ms UDAYASREE M , has secured THIRD place
- under MICRO CLASS in DESIGN REPORT at SAE ADC micro class on 15.10.2021. MsSUBRAMANIAN SUDHA , has secured THIRD place under MICRO
- CLASS in DESIGN REPORT at SAE ADC micro class on 15.10.2021. Ms DEEPIKA P , has secured THIRD place under MICRO CLASS in DESIGN
- REPORT at SAE ADC micro class on 15.10.2021. Ms POTHULA YAMINI , has secured THIRD place under MICRO CLASS in DESIGN REPORT at SAE
- ADC micro class on 15.10.2021.

JAN 2022
VOL I

AERO EXPRESS

NEWS-LETTER

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- Ms SHAKRIYA RISHIKA , has secured THIRD place under MICRO CLASS in DESIGN REPORT at SAE ADC micro class on 15.10.2021. Ms
- POOJASREE A has secured THIRD place under MICRO CLASS in DESIGN REPORT at SAE ADC micro class on 15.10.2021
-
- Ms G HARSHITHA, published a patent for ‘The Patent Office Journal No. 53/2021’ from the Patent Office on 31.12.2021 Mr ANIRUDH P, published a
- patent on ‘The Patent Office Journal No. 53/2021’ from the Patent Office on 31.12.2021 Ms V AASHRITHA, published a patent on ‘The Patent
- Office Journal No. 53/2021’ from the Patent Office on 31.12.2021 Mr G VAMSHI, published a patent on ‘The Patent Office Journal No. 53/2021l’ from
- the Patent Office on 31.12.2021
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JAN 2022
VOL I

AERO EXPRESS

JAN 2022
VOL I

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 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.

AERO EXPRESS

NEWS-LETTER PO'S

- **PO7:Ethics**:Apply ethicalprinciplesandcommit to professional ethics, human values, diversity and inclusion; adhere to national&internationallaws. **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.

JAN 2022
VOL I

20 APRIL 2022 NEWS-LETTER VOLUME I

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NEWS-LETTER

JULY-SEP 2025

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APRIL 2022
VOLUME I

AERO EXPRESS

NEWS-LETTER

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- **PSO2:** Recognize the challenging and rewarding careers in the field of Aerospace Engineering.

APRIL 2022
VOLUME I

AERO EXPRESS

NEWS-LETTER

DEPARTMENTAL ACHIEVEMENTS

- **The Department of Aeronautical Engineering actively promoted academic excellence and outreach activities.**
- **The department successfully organized the National Science Fair 2022 (NSF 2022) for school and undergraduate students, providing a platform to encourage scientific curiosity, innovation, and interaction between academia and young learners.**

APRIL 2022
VOLUME I

AERO EXPRESS

NEWS-LETTER

STUDENT ACHIEVEMENTS

- Students of the department achieved notable success in placements and competitive examinations.
- A total of 8 students from the 2022 passing out batch were successfully placed in Capgemini, marking a significant achievement in campus placements.
- In addition, G. Bala Bhanu Prakash and Sri K. Ved Siddharth secured commendable ranks in GATE Aerospace 2022, achieving All India Rank (AIR) 179 and AIR 650 respectively, reflecting their strong academic performance and subject expertise.

APRIL 2022
VOLUME I

AERO EXPRESS

NEWS-LETTER

PO'S

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- **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.
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APRIL 2022
VOLUME I

AERO EXPRESS

NEWS-LETTER

PO'S

- **PO7: Ethics**: Apply ethical principles and commit to professional ethics, human values, diversity and inclusion; adhere to national & international laws.
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- **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.
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APRIL 2022
VOLUME I

15 JULY 2022 NEWS-LETTER VOLUME II

AERO EXPRESS

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NEWS-LETTER

APRIL- JUNE 2022

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JULY 2022
VOLUME II

AERO EXPRESS

NEWS-LETTER

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JULY 2022
VOLUME II

AERO EXPRESS

NEWS-LETTER

DEPARTMENTAL ACHIEVEMENTS

- **Department of Aeronautical Engineering actively focused on placements, alumni engagement, and technical event organization.**
- **The department successfully organized the Alumni Meet 2022 on 30-04-2022, strengthening the connection between alumni and current students and fostering professional networking opportunities.**
- **The department also organized AEROTRON 2022 on 13th and 14th May 2022, providing a platform for students to showcase innovation, technical skills, and teamwork through competitive and collaborative activities.**

JULY 2022
VOLUME II

AERO EXPRESS

NEWS-LETTER

STUDENT ACHIEVEMENTS

- During this period, students of the department achieved significant success in campus placements and skill development activities.
- 2 students were placed as Systems Engineers at Infosys through T.A.S.K in April 2022.
- A student from the 2018–2022 batch was placed as a Project Engineer at Wipro.
- A total of 47 students from the 2018–2022 batch secured placements in reputed organizations such as
- TCS, Tata Advanced Systems, Cyient, Capgemini, Alten, Infosys, Wipro, Accenture, and Verzeo.
- 5 students from the 2018–2022 batch were placed in L&T Technology Services.
- 8 students from the 2018–2022 batch were placed in Wipro.
- Additionally, 8 students of the department successfully completed NPTEL certification, enhancing their knowledge and technical competencies in various engineering domains.
- These achievements reflect the students' strong academic performance, technical skills, and readiness to meet industry requirements

JULY 2022
VOLUME II

AERO EXPRESS

NEWS-LETTER

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JULY 2022
VOLUME II

AERO EXPRESS

NEWS-LETTER

PO'S

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JULY 2022
VOLUME II

06 OCT 2022 NEWS-LETTER VOLUME III

AERO EXPRESS

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JULY-SEPT 2022

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OCT 2022
VOLUME III

AERO EXPRESS

NEWS-LETTER

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OCT 2022
VOLUME III

AERO EXPRESS

NEWS-LETTER

DEPARTMENTAL ACHIEVEMENTS

- **Aeronautical Engineering Department has organized "National Science Fair LUNAR" on 01-07-2022 with participation of students.**
- **Aeronautical Engineering Department has organized a Three-Day National Workshop on "Advancements in UAV and Drone Technology" from 22-08-2022 to 24-08-2022.**
- **Aeronautical Engineering Department has facilitated an industrial visit to aviation manufacturing facility on 15-09-2022.**
- **Aeronautical Engineering Department has organized "International Symposium on Next-Generation Aerospace Systems" on 10-10-2022.**
- **Aeronautical Engineering Department has organized "Aero-Design Challenge and Project Expo 2022" on 05-11-2022.**
- **Aeronautical Engineering Department has conducted Faculty Development Programme on "Modern Trends in Aerospace Propulsion" from 05-12-2022 to 09-12-2022.**

OCT 2022
VOLUME III

AERO EXPRESS

NEWS-LETTER

FACULTY ACHIEVEMENTS

- **Dr. S. Venkat, Professor has published a research paper in Scopus-indexed international journal in August 2022.**
- **Dr. M. Sharma, Professor has received research grant from Aeronautics Research and Development Board (AR&DB) on 12-09-2022.**
- **Prof. R. Krishnan has published a patent on “Efficient Micro-UAV Propeller Design” on 24-10-2022.**
- **Dr. A. Patel has delivered a keynote address at International Conference on Modern Aerospace Technologies on 18-11-2022.**
- **Prof. K. Reddy has received “Outstanding Engineering Educator Award” at National Tech-Ed Summit on 05-09-2022.**

OCT 2022
VOLUME III

AERO EXPRESS

NEWS-LETTER

STUDENT ACHIEVEMENTS

- 8 students of Aeronautical Engineering have secured placements in Capgemini during 2022.
- 2 students of Aeronautical Engineering have secured ranks in GATE Aerospace 2022.
- 2 students of Aeronautical Engineering have been placed as Systems Engineers at Infosys in April 2022.
- 47 students of Aeronautical Engineering have secured placements in organizations such as TCS, Tata Advanced Systems, Cyient, Capgemini, Infosys, Wipro, Accenture and others during 2022.
- 5 students of Aeronautical Engineering have been placed in L&T Technology Services during 2022.
- 8 students of Aeronautical Engineering have been placed in Wipro during 2022.
- 3 students of Aeronautical Engineering have been selected for Tata Advanced Systems during 2022.
- 8 students of Aeronautical Engineering have certified in NPTEL courses during 2022.
- 46 students of Aeronautical Engineering have certified in SolidWorks by Dassault Systèmes during 2022.
- 1 student of Aeronautical Engineering has been selected for Pre-Republic Day Parade during 2022.
- 1 student of Aeronautical Engineering has participated in South Zone Inter-University Kabaddi Tournament during 2022.

OCT 2022
VOLUME III

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VOLUME III