

Department of Artificial Intelligence and Machine Learning

09.12.2025

Submitted to,

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**Sub: Report on AERO INTELLECT 5.0 – Advanced AI-Driven Drone Systems
Workshop – 03.12.2025 – Dept. of AIML – Reg**

The Department of Artificial Intelligence and Machine Learning (AIML) of Sri Sairam College of Engineering, Anekal, Bengaluru, successfully organized a significant two-day hands-on workshop titled **Aero Intellect 5.0: Advanced AI-Driven Drone Systems**. The workshop was conducted on **December 3–4, 2025** under the CoE – Drone & Innovation Technology, in association with the AIML department. This initiative provided a comprehensive platform for students, researchers, and innovators to engage with cutting-edge drone technology and apply their skills to understand AI-enabled autonomous systems, drone assembly, real-time navigation, and sustainable technological applications.

Event Details

Event Name	AERO INTELLECT 5.0 – Advanced AI-Driven Drone Systems Workshop
Organizing Department	Department of Artificial Intelligence and Machine Learning (AIML)
Date	3rd December 2025 & 4th December 2025
Venue	Sri Sairam College of Engineering, Anekal, Bengaluru
Patrons	Dr. Sai Prakash LeoMuthu, Chairman & CEO, Sairam Institutions
President	Dr. B. Shadaksharappa, Principal, SCE, Bengaluru
Convener	Dr. Sivaprakash C, Prof. & Head (AIML), SCE, Bengaluru
Faculty Coordinators	Mrs. Tharani R. and Mrs. Reshma Farhin J.



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Aero Intellect 5.0 Advanced AI-Driven Drone Systems Workshop

The event was facilitated by a distinguished industry expert, **Mr. P. Surender**, Manager at Aeroknotz Pvt. Ltd., Chennai, who conducted highly insightful sessions that blended core drone engineering concepts with practical demonstrations. The workshop emphasized experiential learning and provided students with real-time exposure to AI-enabled drone technologies.

The key areas of focus included:

- **Drone design and component demonstration**
- **Hands-on drone assembly and hardware understanding**
- **Autonomous flight programming and sensor integration**
- **AI-based real-time object tracking and navigation**

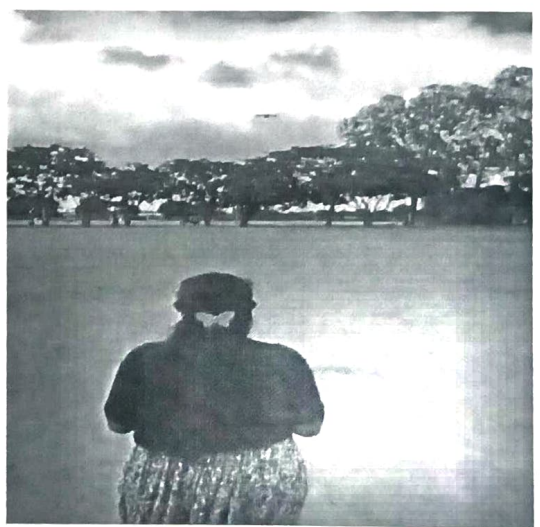
This initiative strongly aligns with the **United Nations Sustainable Development Goals (SDGs)**:

- **Goal 4 – Quality Education:** Enhancing access to practical, industry-oriented learning experiences.
- **Goal 8 – Decent Work and Economic Growth:** Equipping learners with essential technological skills relevant to the growing drone and AI industries.
- **Goal 9 – Industry, Innovation, and Infrastructure:** Promoting innovation through hands-on drone projects and exploration of intelligent aerial systems.
- **Goal 17 – Partnerships for the Goals:** Strengthening collaboration between academia and industry professionals to support emerging technologies.

The workshop's interactive approach encouraged enthusiastic participation. Toward the end, students engaged in an insightful **Q&A session** with the resource person, seeking clarifications and gaining deeper understanding of real-world applications of AI-driven drone technologies.

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Glimpse of Advanced AI-Driven Drone Systems Workshop





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