

### **3-Days State Level Workshop on Drone Technology "Entrepreneurship & Emerging Technologies: Unlocking Opportunities in Drone Technology" March 14-16, 2025**

**Day 1:** Inauguration and Introduction to Drone Technology The Department of Commerce, Government College (A), Rajahmundry, in collaboration with Andhra University-Innovation Centre for Drone Technology (AU-ICDT), successfully organized a three-day state-level workshop on Drone Technology, focusing on entrepreneurial opportunities and emerging technologies from 14th March to 16th March. The event marked a significant milestone in integrating drone technology applications into commerce and management disciplines.

This program was made possible through the cooperation and guidance of Prof. N. Kishore Babu, Rector of Andhra University, whose support was instrumental in bringing together academia and industry to explore the vast potential of drone technology.

The workshop was inaugurated by Dr. Ramachandra R.K, Principal of Government College (A), Rajahmundry, who highlighted the increasing applications of drone technology and its future potential across industries. Dr. ORM Rao, President of AU-ICDT, provided insights into the evolution of AU-ICDT, its various activities, and the role of drones in government initiatives, particularly in disaster management and other sectors.

A notable aspect of the event was the participation of BBA Event Management students, who showcased a unique interest in using drones for event planning and execution.

**MoU Signing with AU-ICDT** A significant highlight of the event was the signing of an MoU between Government College (A), Rajahmundry, and AU-ICDT, marking a historic step for colleges offering degree programs such as B.Com, B.Sc, and BBA.

The MoU was signed by: • Dr. Ramachandra R.K, Principal, Government College (A), Rajahmundry • Dr. ORM Rao, President, AU-ICDT The facilitation of this MoU was led by Dr. B. Prathima and Dr. P. Sunanda from the Department of Commerce.

**Day 2:** Technical Sessions and Drone Flying Demonstration The second day of the 3-Day State Level Workshop on Drone Technology focused on in-depth technical sessions and a practical drone flying demonstration. The day was designed to provide participants with a strong theoretical foundation followed by an engaging hands-on experience.

#### **Topics Covered:**

1. Drone Forces and Controls
2. Components in a Drone & Frame Configurations
3. Drone Architecture
4. Drone Applications
5. Flight Modes

**Drone Flying Demonstration** A hands-on flying session was conducted at the running track of Government College (A), Rajahmundry. The Principal, staff, and students actively participated in this engaging demonstration.

Drone Video and Photo Footage A video recording of the drone flight was captured, providing an aerial view of the event. Additionally, photos were taken by the drone, documenting key moments of the workshop from a unique perspective. These images and videos will serve as valuable resources for future reference, promotions, and training purposes.

**Link with Video Recording of Drone Flight:**

[https://drive.google.com/file/d/18JD1cX\\_deIqprzvD-FXoNDySVYotX13V/view?usp=share\\_link](https://drive.google.com/file/d/18JD1cX_deIqprzvD-FXoNDySVYotX13V/view?usp=share_link)

**Photos Taken by Drone**

- Govt College (A) aerial view of the main gate.
- Students and staff viewing drone flight at the jogging track.
- Aerial view of construction work at the Commerce block.

**Instructor Details:** A. Chaitanya Kumar – DGCA-certified Remote Pilot Instructor • M. Dinesh Sai Ram – DGCA-certified Remote Pilot

The second day of the workshop successfully combined theoretical knowledge with practical exposure, empowering participants with essential skills and insights into the evolving field of drone technology. The event not only enhanced awareness but also inspired students to explore entrepreneurial opportunities in the drone industry.

**Day 3:** Assembly, Troubleshooting, and Valedictory Session The final day of the 3-Day Workshop on Drone Technology was dedicated to practical learning and assessment.

**Activities Conducted:**

1. **Assembling and Troubleshooting:** Participants learned to assemble drone components. o Hands-on troubleshooting techniques were demonstrated.
2. **Test and Valuation:** A structured test was conducted to evaluate the participants' understanding of drone technology. o Valuation of the test responses was carried out by experts.
3. **Feedback and Valedictory Session:** Participants shared their experiences and key takeaways from the workshop. o Faculty and industry experts provided insights and constructive feedback. o Certificates were distributed to the students.

**Student Participation:** A total of 63 students attended the workshop, representing various academic disciplines: • BBA Programs: Event Management, Honours (H), Digital Marketing (DM), Logistics (L) • B.Com Programs: Computer Applications (CA), Accountancy & Taxation (A&T), Financial Services (FS) • B.Sc Programs: Physics, Geography, Biotechnology, Horticulture, Electronics • M.A Political Science • Intermediate (I Inter) MPC

Dr. Ramachandra R.K, Principal of Government College (A), and Vice Principal Dr. Sree Rama Murthy attended the third day of the 3-day workshop, wherein the Principal participated in the assembling of drones.

The instructors for the 3-day session were Miss N. Snehitha Varma and Sri M. Mohith Kumar, who are R&D Engineers from ICDT, ROSYS Solutions Pvt Ltd, Visakhapatnam.

**Organizing Committee:**

- Dr. B. Prathima – Convenor of the Workshop
- Dr. P. Sunanda – Co-Convenor of the Workshop
- Dr. Shanmukha Rao – Secretary
- Sri V. Ramesh Krishna – Organizing Secretary
- Sri M.Y. Naidu – Organizing Secretary
- Sri Bhavani Shankar Reddy – Organizing Secretary