

PM-USHA – SOFT COMPONENT ACTIVITY REPORT

DRONE PILOTING WORKSHOP

1. Basic Information

Name of the College:	Government Degree College for Women, Srikalahasti
Component:	PM-USHA – Soft Component
Type of Activity:	Student Capacity Building Programme / Workshop
Title / Theme of the Programme:	Drone Piloting and Agricultural Applications Training Programme
Organizing Department:	Department of Physics
Date(s) of Conduct:	29/12/2025 to 02/01/2026
Duration:	5 days
Venue:	PG Room and College Ground, Government Degree College for Women, Srikalahasti
Mode:	Offline

2. Objectives of the Programme

- To introduce students to the fundamentals of drone technology and its real-world applications.
 - To provide awareness about the role of drones in modern agriculture and precision farming.
 - To familiarize students with drone components, flight control systems, and safety procedures.
 - To give practical exposure through live demonstration of drone piloting and spraying techniques.
 - To motivate students to explore emerging career opportunities in drone technology and smart agriculture.
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3. Details of Resource Persons

S.No	Name	Designation	Organization/Institution	Topic Delivered
1	G. Naresh	Manager	Aries Agro Limited	Introduction to Drone Technology
2	M. Srikanth	Sr. Officer	Aries Agro Limited	Drone Piloting and Agricultural Applications

4. Beneficiary Details

No. of Students: 70

No. of Faculty: 5

No. of Non-Teaching Staff: 1

No. of External Participants: 2

Total Participants: 78

Gender-wise Participation

Male: 6

Female: 72

5. Programme Description (100–150 words)

A Drone Piloting and Agricultural Applications Training Programme was organized at Government Degree College for Women, Srikalahasti in collaboration with Aries Agro Limited under the PM-USHA scheme. The programme aimed to introduce students to emerging technologies used in modern agriculture. Experts explained the fundamentals of drone technology, including drone components, navigation systems, flight control mechanisms, and safety protocols. The session also highlighted the use of drones in precision farming, crop monitoring, and pesticide spraying. A live demonstration was conducted in the college ground where participants observed drone operation and aerial spraying techniques. Students actively interacted with the resource persons and gained practical insights into the technological advancements in agriculture. The programme enhanced students' awareness of innovative technologies and their applications in agriculture and environmental monitoring.

6. Outcomes / Impact of the Programme

a) Outcomes

The programme helped students understand the importance of drone technology in modern agriculture and other sectors such as surveillance, disaster management, and environmental monitoring. Participants gained knowledge about drone operation, safety procedures, and real-world applications. The live demonstration enhanced students' practical understanding and generated interest in learning advanced technologies. The workshop also created awareness about new career opportunities in the rapidly growing drone technology sector. Students expressed enthusiasm in exploring training and certification programs related to drone piloting and aerial data applications.

b) Follow-up Activities Planned

The college plans to organize advanced workshops and training programs on emerging technologies such as drone applications, artificial intelligence, and remote sensing. Students will be encouraged to participate in skill-development programs and internships related to drone technology and agricultural innovation.

7. Photographic Evidence

- Inauguration of the programme



- Resource person delivering the session



- Drone demonstration in the college ground



- Students observing drone piloting



8. Media / Publicity

Website Link: <https://www.gdcwsrikalahasti.ac.in/userfiles/January%202026.pdf>

Newspaper Coverage:



9. Overall Satisfaction Level

Very Good

10. Suggestions / Recommendations from Participants

- Organize more hands-on training programs on emerging technologies.
- Conduct certification courses on drone piloting for interested students.
- Provide opportunities for internships in agricultural technology companies.