

## Report on training programme on Smart Agriculture

M.S.Swaminathan School of Agriculture under the aegis of the research centre on Smart Agriculture have successfully organized a one-week hands-on training program on Smart Agriculture for the students from Horticulture College, Khuntpani, Chaibasa, Birsa Agriculture University, Ranchi, Jharkhand from 10-15th January 2024. Total of 15 students participated in this paid training program. The 06 days training programme was split into 12 sessions.

*The objective of the training programme was to orient the students on the recently evolved technologies concerning the sphere of Smart Agriculture and make them self reliant.*

*The following activities were undertaken during the 06 day long programme:*

### **Day 1 Session 1:**

*The training programme was inaugurated by the Registrar, Centurion University of Technology and Management who welcomed the participants and emphasized on the importance of organizing such a training programme in the present scenario.*

*The Dean Administration in his speech apprised the participants on the ecosystem created by the University for imparting different skills to make the people self sufficient.*

*The Dean Academics stressed on the utilization of the available resources of the University to sharpen their skills and contribute towards a good nation building. The programme coordinator and other research centre coordinators requested the participants to make proper utilization of the available resources and contribute proactively for each session.*



### **Day 1 Session 2:**

Participants visited different Agriculture units on campus to gain an insight into the role of each unit.



***Day 2 Session 1:***

Introduction to hydroponics technology and fixing of hydroponics structures.



***Day 2 Session 2:***

Training on nutrient management in hydroponics.



***Day 3 Session 1:***

Nursery preparation for hydroponics using different growing media.



***Day 3 Session 2:***

Demonstration on application of drones in agriculture.



***Day 4 Session 1:***

Training on protected cultivation practices.



***Day 4 Session 2:***

Training on layout preparation.



***Day 5 Session 1:***

Training on micro- irrigation management.

***Day 5 Session 2:***

Training on automation and IoT in smart agriculture



***Day 6 Session 1:***

Training on laying mulching sheet and planting.



## *Day 6 Session 2:*

visit to PG research farms.



The programme met its objectives with the collaborative efforts of the research centre coordinators, AELP students and the overall support rendered by the management of Centurion University of Technology and Management, Paralakhemundi.

The participants were of the opinion that it was truly a great learning experience for them.