



Webinar on "SMART AGRICULTURE"

Organized By

M.S. Swaminathan School of Agriculture, Centurion University of Technology and Management

Date: 25-05-2021

No. of Participants; 30

Resource Person

1. Dr. D.J. Gaikwad, Associate Professor and Head in the Department of Plant Physiology & Biochemistry

Dr. Dinkar J. Gaikwad is currently working as an Associate Professor and Head in the Department of Plant Physiology and Biochemistry, M.S. Swaminathan School of Agriculture, Paralakhemundi, Centurion University of Technology and Management Odisha, India. Dr. Gaikwad has received his PhD in Plant Physiology from BCKV (West Bengal). His doctoral work focuses on the Betelvine: crop physiological responses to light environments, organic and inorganic supplements and Standardization of protocol for mutagenesis.

2. Dr. Sagar Maitra Associate Professor and Head, Department of Agronomy and Agroforestry

Dr. Sagar Maitra (b 1969), a Doctorate in Agronomy, specialization in crop husbandry engaged in research activities on cropping system, nutrient management of field crops, crop physiology, precision agriculture (IoT based crop monitoring and management in forced ventilated polyhouse) and sustainable agriculture. Dr. Maitra is presently working as Associate Professor and Head, Department of Agronomy and Agroforestry at M.S. Swaminathan School of Agriculture, Centurion University of Technology and Management. Besides, he has exposure to print and electronic media. He is a dynamic professional with 23 years versatile experience in academics and developmental activities including field exposure, project support and monitoring and transfer of technologies to the farming community

About the Session

Smart Agriculture domain is designed to impart skill and practical knowledge to the students on precision agriculture through application of IOT, UAV and mobile app-based crop management. The course deals in production of gerbera, dendrobium orchid and Dutch rose by IoT-based management of in greenhouse, precision management of low GI rice with Paddy Predict and Kalgudi app and use of UAV for crop health monitoring and management. Students will also learn how to grow exotic vegetables under soilless culture. Students become familiar with handling various precision tools used in agriculture . More emphasis is given on practice and project as the students become skilled professional / human resources after successful completion.

Topics of Discussion

- Introduction and importance
- Nursery management and mechanization for high-tech horticulture
- Modern field preparation and planting methods
- Protected cultivation: advantages, controlled conditions, method and techniques
- Micro irrigation systems and its components
- EC, pH based fertilizer scheduling
- Canopy management
- High density orcharding
- Application of precision farming in horticultural crops (fruits, vegetables and ornamental crops)
- mechanized harvesting of produce

Brochure of the event



The brochure features a dark blue header with the Centurion University logo on the left and a decorative floral graphic on the right. The main content is enclosed in a white box with a thin black border. The text is centered and uses a mix of bold, black, and red fonts. At the bottom, there is a dark blue footer with the university's name and tagline in white.


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UNIVERSITY

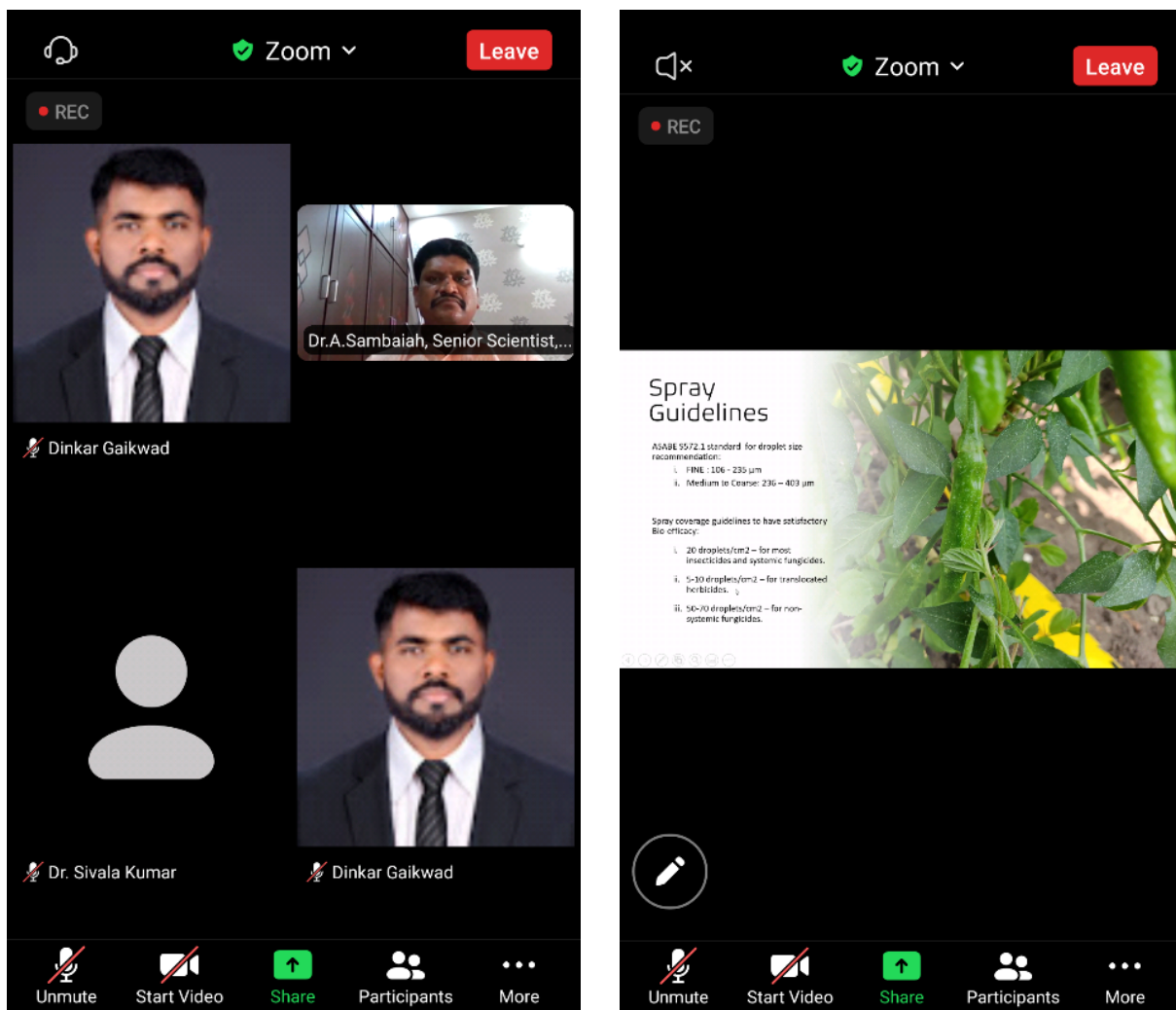
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centurion university of technology and management
Shaping Lives... Empowering Communities...

Screenshot of the event



No. of Participants:

1	Mr. Sambeet Patro	Assistant Professor
2	Prof.(Dr) M. Devender Reddy	Professor cum Dean Acad
3	Dr. Sagar Maitra	Professor
4	Prof.(Dr) Gouranga Ch. Mishra	Professor

5	Dr. Tanmoy Shankar	Associate Professor
6	Dr. Subhashisa Praharaj	Assistant Professor
7	Ms. Jnana Bharati Palai	Assistant Professor
8	Ms. Deepthi Chandaka	Assistant Professor
9	Mr. Santosh Kumar Lenka	Assistant Professor
10	Ms. Pilli Manasa	Asst. Professor
11	Dr. Pushpalatha G.	Professor
12	Dr. Koustava Kumar Panda	Associate Professor
13	Ms. Preetha Bhadra	Assistant Professor
14	Dr. Satyabrata Nanda	Assistant Professor
15	Mr. Chitrasena Padhy	Assistant Professor
16	Dr. Atanu Deb	Associate Professor
17	Dr. Satarupa Modak	Assistant Professor
18	Dr. Akkamahadevi Naik	Assistant Professor
19	Dr. Ashok Kumar	Assistant Professor
20	Dr. Rahul Adhikary	Associate Professor

21	Dr. Arunabha Pal	Associate Professor
22	Dr. Saurav Barman	Associate Professor
23	Dr. Pedda Ghouse Peera S.K.	Assistant Professor
24	Dr. Shiv Kumar Udayana	Assistant Professor
25	Dr. Merugu Chandra Surya Rao	Assistant Professor
26	Dr. Nilanjana Datta	Assistant Professor
27	Ms. Basubadatta Sahu	Assistant Professor
28	Dr. Samapika Dalai	Assistant Professor
29	Dr. Anindita Roy	Assistant Professor
30	Ms. Barsha Tripathy	Assistant Professor



Dr. Prasanta Ku. Mohanty
Dean Academic