



PROFESSOR JAYASHANKAR TELANGANA STATE AGRICULTURAL UNIVERSITY
Electronic Wing & MANAGE, Hyderabad

Name of the Training : Collaborative Online Training Programme on Emerging Agro Technologies for Smart Farming
Duration : 3 days (13th – 15th Feb, 2024)
Participants : Scientists from SAU's, Officers from Agriculture and allied Sector and Research Scholars /Students

Objectives: By the end of the training the participants will be able to

- Gain Knowledge on Emerging Agro Technologies for Smart Farming

Expected training outcomes

- Trainees will be able to gain knowledge on Emerging Agro Technologies for Smart Farming

Course Content

Theory

- Emerging Agro Technologies for Smart Farming in India & Global – & An over view
- Advances in Fertilizer Management for Smart Farming
- IOT based soil management approaches (Start Up Companies)
- Robotics in weed management
- Robotics based weed management (Start Up Companies)
- Agri Photo Voltaics for different cropping systems
- APVs unlocking sustainability in Agriculture (Start Up Companies)
- Digital innovation in Transfer of Technology
- Emerging Agro Technologies to ensure genetic purity in seed production
- Blockchain for Seed Traceability (Start Up Companies)
- Changing research Eco system in Agri food production
- Ag Hub – Approaches towards innovation and entrepreneurship
- Drone based Technologies for Smart Farming
- Drone based Smart Farming (Start Up Companies)
- Emerging Techniques for crop Disease diagnosis
- Drone based Hyper spectral Imaging (Start Up Companies)
- Emerging Techniques for crop pest diagnosis
- IOT based pest management approaches (Start Up Companies)

Training Methodology: Lectures cum discussion method



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Collaborative online Training Programme on
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 (13th – 15th February, 2024)
Daily Schedule



Day & Date	10 AM-10:30 AM	10:30 AM-11.30AM		11:30 AM-12:00 PM	12:00 PM-12.20PM	12:20 PM-12:50 PM	12:50 PM-1:15PM
13-02-2024 (Tuesday)	Inaugural session /Address by Dignitaries	Emerging Agro Technologies for Smart Farming in India & Global - & An Over view Dr. V. Praveen Rao Former Vice Chancellor, PJTSAU		Advances in Fertilizer Management for Smart Farming Dr. A. Madhavi Principal Scientist (SS) & Head, AICRP on STCR, ISHM, ARI 9848976765	Start Up Companies IoT based soil management approaches Mr. Sandeep Kondaji Founder, Krishi Tantra	Robotics in weed management Dr. B. Padmaja Principal Scientist (Agro) AICRP on Weed Management, R'nagar 9440040605	Start Up Companies Robotics based weed management approaches Mr. Trivikram, Founder, X Machines
14-02-2024 (Wednesday)	10AM -10:30 AM Agri Photo Voltaics for different cropping systems Dr. K. Avil Kumar Principal Scientist (Agro) & Head W.T.C, R'nagar 9951335111	10:30 AM-10:50 AM Start Up Companies APVs unlocking sustainability in Agriculture Ms. Lakshmi Santanam Founder, Renkub	10:50 AM-11.35AM Digital innovation in Transfer of Technology Dr. Srikanth Rupavatharam Head, Innovations Hub ICRISAT 9618001156	11:35 AM-12.05 PM Emerging Agro Technologies to ensure genetic purity in seed production Dr. M. V. Nagesh Kumar Principal Scientist (Pl.Br.) & Head, MRC, R'nagar, 8008404874	12.05 PM-12:25 PM Start Up Companies Blockchain for Seed Traceability Mr. Srivatsa Founder, Trace X	12:25 PM-12.55 PM Emerging Research Eco system in Agri food production Dr. Kalpana Sastry MD, AgHub 9701806042	12:55 PM-1: 30PM AgHub -Approaches towards Innovation and entrepreneurship. Mr. Vijay Nadiminti CEO, AgHub 9989927773
15-02-2024 (Thursday)	10AM -10:30 AM Drone based Technologies for Smart Farming Dr. N.R.G Varma Principal Scientist (Ento.)/ Dr. T. Kiran Babu Scientist (Pl. Path.) IRR, R'nagar 9848329394	10:30AM-10:50 AM Start Up Companies Drone based smart Farming Mr. Prem Kumar Founder, Marut Drones	10:50 AM-11.20AM Emerging Techniques for crop Disease diagnosis Dr. P. Narayana Reddy Dean (Pl.Path.), ANURAG University, Hyderabad 9440194077	11:20 AM-11.40AM Start Up Companies Drone based Hyperspectral Imaging Mr. Amandeep Pawar Founder, BharatRohan	11.40AM-12:20 PM Emerging Techniques for crop Pest diagnosis Dr. G. Gururaj Katti Principal Scientist (Ento.) and Head (Crop Protection) ICAR-IIRR , Hyd 9182710451	12:20 PM-12:50 PM Start Up Companies IOT based pest management approaches Mr. Rajashekhar Reddy Founder, Delta Things	12:50 PM -1:15 PM Validictory Session

MANAGE

Dr. Srinivasacharyulu Attaluri
Deputy Director (Knowledge Management)
Sri. P. Sharath Kumar , MANAGE, Hyd.

Training Programme Coordinators

Electronic Wing, PJTSAU

Dr. M. Sreenivasulu, Principal Scientist [Extn] & Course- Coordinator
Dr. J.S. Sudha Rani, Scientist (Agro), Co-Course Coordinator
Dr. K. Rajamani, Scientist (SSAC), Co-Course Coordinator