



CENTRE OF EXCELLENCE FOR DIGITAL FARMING SOLUTIONS FOR ENHANCING PRODUCTIVITY BY ROBOTS, DRONES and AGVs.

VASANTRAO NAIK MARATHWADA KRISHI VIDYAPEETH, PARBHANI (M.S.) INDIA

Contact No. 02452_223002, 223802 Mob. 9422111232 Email: nahep.caast.vnmkv@gmail.com

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IC – CDKS Portfolio Schedule of e – Training/ Webinar

Sr. No	Name of E- Training	Duration/ Date/ Time	Organizing Secretary	Registration Link	QR Code	Broucher Photo
1	Basic Practices of ANSYS 2020 R1 For Agriculture Researchers	1 Week 12 – 28, May 2020 AM to 3-4 PM	Er. D V Patil	https://docs.google.com/forms/d/1QzrGDQTZ9CI-t9ih1pPu3fHqbFb7aS9uxUuuB30VTwk/edit		
2	Recent advances and instrumentation in Agricultural meteorology	1 Week 26 May - 02 June 2020 11-12 AM to 3-4 PM	Dr. K.K. Dakhore	https://docs.google.com/forms/d/1wJpisaEyU5bqW0sb5qKsZ4odO4e4RvekM-CGoYUEdh8/edit		



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2.	“Biotechnology: It’s Applications in Modern Agriculture”	1 Week 04- 08, June 2020 11-12 AM to 3- 4 PM	Dr.Bharose Achyut.	https://docs.google.com/forms/d/1csILVEvfOnKDHONernaDMlGvJxPLowCmoY8GY5f9g4/edit		One-week International Online Training Programme “Biotechnology: It’s Applications in Modern Agriculture” 4-8 June, 2020 NAHEP The Centre for Advanced Agricultural Science and Technology (CAAST) for Digital Farming Solutions for Enhancing Productivity by Robots, Drones and AGVs (DPFSDA), Vasantao Naik Marathwada Krishi Vidyapeeth, Parbhani, Maharashtra is Organizing a one-week online International Training programme on “Biotechnology: It’s Applications in Modern Agriculture” from 04-08, June 2020. Due to ongoing COVID-19 crisis, most of us are restricted to work remotely. So, our Centre is taking initiative of organizing talks by established scientist experts in their respective areas through this virtual training. Talking about our CAAST DPFSDA centre, it is proposed on 10:30 cost sharing basis between the World Bank and the Government of India, implemented at VNMKV (Agriculture University) One of the main objectives of CAAST DPFSDA, VNMKV Centre is developing a holistic model to raise the standard of current agricultural education system, current agricultural education system that provides career opportunities and promote entrepreneurial attitude of students and professionals alike. In the last five decades, agriculture entered into the modern world through virtual and hybrid development, nutrient management, advanced crop protection, and postharvest management. Biotechnology paved the way to boost modern agriculture through transgenic for crop protection, expedited breeding developments through molecular breeding, rapid production of uniform tissue culture plants, increased understanding in precision nutrient management, and enhancing overall nutrition and produce quality. Furthermore, agriculture biotechnology aims to find sustainable solutions to withstand abiotic stresses such as drought and salinity and stabilize crop yields. Yet, several scientific challenges exist and we are just beginning to understand the power of modern tools and techniques in finding new relevant information that could be filled in the complete understanding of various biological processes. This webinar would provide an outstanding opportunity to learn advances in crop research, various tools and techniques, scientists continue to use in their research along with technical or scientific challenges that are being addressed through biotechnological approaches. The webinar also provides an opportunity to witness with scientists to learn and think about “out-of-the-box” career opportunities in agricultural biotechnology.
3	Climate resilient technology for rainfed agriculture	1 Week 10- 14, June 2020 11-12 AM to 3- 4 PM	Dr. B.V. Asewar	https://docs.google.com/forms/d/1Y7WTISjut-zK_Sonv5Jn2Oeg8NK_TJh-64ZF9L6Mlw/edit		One-week online Training on Climate Resilient Technologies for rainfed Agriculture 11-15 June, 2020 NAHEP Centre of excellence for Digital Farming solutions for Enhancing Productivity by Robots, Drones and AGVs (DPFSDA) VNMKV, Parbhani is organizing a One Week online training course on Climate Resilient Technologies for rainfed Agriculture” from 11-15, June 2020. The Centre of excellence for Digital Farming solutions for Enhancing Productivity by Robots, Drones and AGVs (DPFSDA) Under Center for Advanced Agricultural Science and Technology (CAAST) is being implemented at Vasantao Naik Marathwada Krishi Vidyapeeth, Parbhani, Maharashtra under World Bank Sponsored National Agricultural Higher Education Project (NAHEP) of Indian Council of Agricultural Research (ICAR), New Delhi, Government of India, Scheme 20.5. The main objective of this sector is to educate PGD students and faculties about advances in science and technology.



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4	Application of Remote Sensing and GIS in Digital Agriculture	1 Week 04- 08, June 2020 11-12 AM to 3-4 PM	Dr. P.H. Vaidya	https://docs.google.com/forms/d/1SxBdld450SlvB2r5QBbEzazKlG7jpRsPZTUJa_tpDIQ/edit		National Agriculture Higher Education Project (NAHEP CASST) Centre of Excellence for Digital Farming Solutions for Enhancing Productivity by Robots, Drones and AGVs (DFSRDA) Vasant Rao Naik Marathwada Krishi Vidyapeeth, Parbhani (MS) One-week online training on APPLICATION OF REMOTE SENSING AND GIS IN DIGITAL AGRICULTURE 04 June – 08 June, 2020 About Centre of excellence for Digital Farming solutions for Enhancing Productivity by Robots, Drones and AGVs (DFSRDA, VNMKV, Parbhani) is organizing a "One Week online training on "Application of Remote Sensing and GIS in Digital Agriculture" during 04 June to 08 June, 2020. The project aims to enhance Agricultural Science and Technology (CAAST) for Digital Farming solutions for Enhancing Productivity by Robots, Drones and AGVs (DFSRDA) is being implemented in Vasant Rao Naik Marathwada Krishi Vidyapeeth, Parbhani, and Maharashtra under World Bank Sponsored National Agricultural Higher Education Project (NAHEP) of Indian Council of Agricultural Research (ICAR), New Delhi, Government of India, Since 2019. One of the main objectives of this center is the capacity building among the PG/PhD students and faculties of VNMKV and other universities about recent advances in agricultural science and technology.
5	Covid 19 Pandemic: Impact and strategies in agriculture education	1 Week 24- 29, June 2020 11-12 AM to 3-4 PM	Dr. V.S. Bhalerao	https://docs.google.com/forms/d/13fg3JnlEdpglPdlaqOusOzzUw4lQg3iJiCFy35id_mM/edit		One-week online Training Programme COVID 19 Pandemic: Impact and Strategies in Agriculture Education 8 – 12 June, 2020 BACKGROUND Both lives and livelihoods are at risk from this COVID 19 pandemic. The novel corona virus has spread widely in India compared to other countries and the number of reported infections is low so far, with 81,970 cases and 2,649 deaths as on May 15, 2020. However, as COVID-19 cases are increasing fast, there is great concern about the disease potential spread and impact. COVID-19 is disrupting some activities in agriculture and supply chains. Preliminary reports show that the non-availability of migrant labor is interrupting some harvesting activities, particularly in northwest India where wheat and pulses are being harvested. There are disruptions in supply chains because of transportation problems and other issues. The significant slowdown of all economies of the world and especially of the most vulnerable ones as rising unemployment rates. Especially in food import dependent countries, COVID-19's economic impact will be felt more and they need to struggle to have the required resources. In turn, as demand for food will decrease over the next coming months, prices may go down and this will have a negative impact on farmers and agricultural sector. In this context, it is essential to provide clear and achievable guidance to agriculture students and farmers for safety, precautionary measures inside their houses, outside in agricultural field and even for early detection, control over COVID-19 as per need. ABOUT The Center for Advance Agricultural Science and Technology (CAAST) for Digital Farming Solutions for Enhancing Productivity by Robots Drones and AGVs (DFSRDA), Vasant Rao Naik Marathwada Krishi Vidyapeeth, Parbhani, Maharashtra, is Organizing a one week online International Training programme on "COVID 19 Pandemic: Impact & Strategies in Agriculture Education" from 08 – 12, June 2020. Due to ongoing COVID-19 crises, most of us are restricted to work remotely. So, our Center is taking initiative of organizing talks by established scientist experts in their respective areas through this virtual training. Talking about our CAAST-DFSRDA center, it is proposed as 50:50 cost sharing basis between the World Bank and the Government of India, implemented at VNMKV (Agriculture University). One of the main objectives of CAAST-DFSRDA, VNMKV Center is developing a holistic model to raise the standard of current agricultural education system current agricultural education system that provides career opportunities and promote entrepreneurial attitude of students and professionals alike. This online training will encourage students and faculties even guide them for disease prevention at their places they reside, by advising them as well as to others for prevention of corona virus from spreading out in society.



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6.	Recent Advances and Automation in Nursery Management	1 Week 08 - 13, July 2020 11-12 AM to 3-4 PM	Dr. S. R. Barkule	https://docs.google.com/forms/d/15PHT_P5FSYz0xruoiqU3PdXGvT-ptk2DjJeKicYfsUs/edit		One-week International online Training Programme "Recent Advances and Automation in Nursery Management" 08 - 13 July, 2020 OBJECT The Centre for Advance Agricultural Science and Technology (CAAST) for Digital Farming Solutions, For enhancing Productivity by Robots, Drones and AGVs (DFSRDA), Vasantao Naik Marathwada Krishi Vidyapeeth, Parbhani, Maharashtra is Organizing a one-week online e-training programme on "Recent Advances and Automation in Nursery Management" from 08 - 13, July 2020. Due to ongoing COVID-19 crisis, most of us are restricted to work remotely. So, our Centre is taking initiative of organizing talks by established scientist experts in their respective areas through this virtual training. Talking about our CAAST-DFSRDA centre, it is proposed on 10-12 row during basis between the World Bank and the Government of India, implemented at VNMKV (Agriculture University). One of the main objectives of CAAST-DFSRDA, VNMKV Centre is developing a holistic model to raise the standard of current agricultural education. BACKGROUND Nursery yield totally depends on quality of planting material. So, growing material is important in nursery. Due to unavailability of technical expertise automation in nursery is a need of an hour. To get precise yield in stipulated span time with input to get maximum precise output nursery automation is very essential considering these issue in mind this training will going deliver entrepreneur opportunities and skills related with establishment of modern nursery as a result of this training participant will get acquainted with recent advances in nursery management. World population is rapidly growing which is leading to unemployment issue in youth of India additionally the need of youth and women empowerment is need of an hour. To conclude it better we need to channelize these youth of India with entrepreneur activities in nursery demand agriculture this training with going to help farmers to become experts in modern nursery business related.
7	Automation in Soil Testing Lab for Digital Science	1 Week 01- 05, July 2020 11-12 AM to 3-4 PM	Dr. P H Vaidya	https://docs.google.com/forms/d/1kA5pksHcBRf8swOZ8qFaSbbOBjvf4RimPNQ_qvwG Tek/edit		One-week International online Training Programme "Automation in Soil Testing Lab for Digital Agriculture" 1 - 5 July, 2020 OBJECT The Centre for Advance Agricultural Science and Technology (CAAST) for Digital Farming Solutions, For enhancing Productivity by Robots, Drones and AGVs (DFSRDA), Vasantao Naik Marathwada Krishi Vidyapeeth, Parbhani, Maharashtra is Organizing a one-week online International Training programme on "Automation in Soil Testing Lab for Digital Agriculture" from 01 - 05, July 2020. Due to ongoing COVID-19 crisis, most of us are restricted to work remotely. So, our Centre is taking initiative of organizing talks by established scientist experts in their respective areas through this virtual training. Talking about our CAAST-DFSRDA centre, it is proposed on 10-12 row during basis between the World Bank and the Government of India, implemented at VNMKV (Agriculture University). One of the main objectives of CAAST-DFSRDA, VNMKV Centre is developing a holistic model to raise the standard of current agricultural education. BACKGROUND In the last few decades, agriculture entered into the modern world through various and hybrid development, nutrient management, advanced crop protection, and greenhouse management. Biotechnology paved the way to boost modern agriculture through transgenics for crop protection, expedient variety developments through molecular breeding, rapid production of antibiotic tissue culture plants, increased understanding in precision nutrient management, and enhancing overall nutrient and produce quality. Furthermore, agriculture biotechnology aims to find sustainable solutions to withstand adverse stresses such as drought and salinity and maintain crop yields. Yet, several scientific challenges exist and we are just beginning to understand the power of modern tools and techniques in finding new relevant information that could be filled in the complete understanding of various biological processes. This webinar would provide an outstanding opportunity to learn advances in crop research, various tools and techniques, currently routinely use in their research along with technical or scientific challenges that are being addressed through biotechnological
7	Webinar Series on Precision agriculture Technology.	1 Week, Daily 11-12 PM	Dr. U.M. Khodke	Upcoming Webinar Series of 1 Week		

Training Co Ordinator's

**Er. Sachin Karad, Dr. Aniket Waikar,
Dr. Swati Mundhe, Er. Apurva Deshmukh
Er. Shailesh Shinde**