

Vasantrao Naik Marathwada Krishi Vidyapeeth invites applications from PG/ Ph.D. Students, Faculty/Scientist and entrepreneurs across the country for 3-days workshop on "Digital Farming Practices by Agribots, Agri-drones & Agri-AGVs" sponsored by NAHEP-CAAST-DFSRDA centre, VNMKV, Parbhani.

How to apply

The complete application form in the prescribed format forwarded by Head of the Institute or Department authority should reach the Organizer, NAHEP-Centre for Advanced Agricultural Science and Technology (CAAST), DFSRDA, VNMKV, Parbhani on or before **4th March 2020** over email:nahep.caast.vnmkv@gmail.com. Application form can be downloaded from www.vnmkv.ac.in.

Who can Participate

M.Sc., Ph.D. students and Faculty of ICAR-Deemed to be Universities / SAUs / CAUs / CUs / other UGC recognized Universities and Research Institutes are eligible to apply. A maximum of 60 students / research fellows, 30 faculties / scientists and 10 KVK/entrepreneurs will be selected for participation in the workshop. The Working knowledge of automation & robotics is mandatory. The Workshop is scheduled during March 13-15, 2020 maximum participant is 100.

Important Dates

Last Date for application : 4th March, 2020
Intimation of Selection : 6th March, 2020

Travel

The participants are eligible as per designation from employment cadre, eligible to claim T.A. as per ICAR rules.

Food and Accommodation

The food and accommodation will be arranged by NAHEP-CAAST-DFSRDA centre, VNMKV, Parbhani for the participants.



• Chief Patron •

Dr. Ashok S Dhawan
Vice-Chancellor, VNMKV, Parbhani.

• Patron •

Dr. D. N. Gokhale Director of Instruction and Dean VNMKV Parbhani	Dr. D.P. Waskar Director of Research VNMKV, Parbhani
Dr. D.B. Deosarkar Director of Extension, VNMKV, Parbhani	Mr. Ranjeet Patil Registrar, VNMKV, Parbhani

• Organizing Secretary •

Dr. Gopal U Shinde
Principal Investigator
NAHEP-CAAST-DFSRDA, VNMKV, Parbhani

• Joint Organizing Secretary •

Dr. U.M. Khodke ADP, CAET, Parbhani	Dr. R.P. Kadam Co-PI (SSPNI)-NAHEP DFSRDA
Er. S.N. Pawar Co-PI (SPM)-NAHEP DFSRDA	Dr. S.R. Garud Co-PI (FPA)-NAHEP DFSRDA

Core Team Members / Monitoring Nodal Officers of VNMKV

Dr. B.V. Asewar Head Agronomy	Dr. P.H. Vaidya Professor Soil Science & Agricultural Chemistry
Dr. R.B. Kshirsagar Professor Food Engineering	Dr. D.R. Kadam Associate Professor, Entomology
Dr. V.S. Bhalerao Associate Professor Human Resource Department.	Dr. G.S. Pawar Associate Professor Agricultural Botany
Dr. M.S. Pendke Assistant Professor Soil & Water Conservation	Er. D.D. Tekale Assistant Professor Farm Machinery & Power
Dr. B.S. Agarkar Assistant Professor Food Technology	Dr. P.S. Kapse Assistant Professor Extension Education
Dr. K.K. Dakhore Assistant professor Agricultural Metrology	Dr. V.N. Shinde Assistant Professor Horticulture
Dr. M.P. Jagtap Assistant Professor Agronomy	Dr. S.S. Phulari Assistant Professor Computer Science
Dr. V.K. Ingle Assistant Professor Irrigation & Drainage	Er. D.V. Patil Assistant Professor Farm Machinery & Power



NAHEP



International Workshop

On

DIGITAL FARMING PRACTICES BY AGRI-BOTS, AGRI-DRONES & AGRI-AGV'S

13-15 March 2020

Venue

DFSRDA Centre
VNMKV Campus, Parbhani



Organized by

Centre of Excellence for Digital Farming Solutions
for Enhancing Productivity by Robots, Drones
and AGVs (DFSRDA)
ICAR-National Agricultural Higher Education Project (NAHEP)
Centre for Advanced Agricultural Science and Technology (CAAST)

VASANTRAO NAIK MARATHWADA KRISHI VIDYAPEETH
PARBHANI - 431 402 (M.S.) INDIA

E-mail: nahep.caast.vnmkv@gmail.com

About NAHEP-CAAST

Centre for Advanced Agricultural Science and Technology (CAAST) is a new initiative and student centric sub-component of World Bank sponsored National Agricultural Higher Education Project (NAHEP) granted to Vasant Naik Marathwada Krishi Vidyapeeth (VNMKV), Parbhani to provide a platform for strengthening educational and research activities of post graduate and doctoral students. The CAAST center theme is digital farming productivity enhancement solutions by Agri-Bots, Agri-drones and Agri-AGVs (DFSRDA).

NAHEP-CAAST- DFSRDA, VNMKV Centre

The NAHEP-CAAST DFSRDA-VNMKV Parbhani center was established on 4th September 2019. It is integrating three interdisciplinary divisions of Agri-bots, Agri-Drones and Agri-AGVs for their applications in following four portfolios:

- I. Climate-based Digital Knowledge Support Center (CDKS)
- II. Seed/Seedling Processing and Nursery Automation Center (SSPN)
- III. Smart Portable Machinery Center (SPM)
- IV. Food Processing Automation Center (FPA)

Following are the common participation activities and events to be conducted by all above four Portfolios.

1. Establishment of laboratories such as CAD / CAM / CAE, GIS, Remote Sensing, Mechatronics, Artificial Intelligence (AI), IoT and Agric-Instrumentation.
2. Involvement of UG/PG/PhD students and Faculty researchers in Agribots, Agri-drones and Agri-AGVs applications and their participation in project work, workshops, trainings and conferences.
3. Establishment of MOU with national/ international with Universities and Institutions including IIT Kharagpur and IIT Bombay for knowledge exchange in the respective field.
4. Preparation of Portfolio wise digital documents, notes, course materials and publications.

About the Organizing University

VNMKV Parbhani is one of the four Agricultural Universities in the State of Maharashtra. It was established on May 18, 1972 to fulfil the regional aspirations of agrarian growth. It is entrusted with the responsibilities to provide education to students in agriculture and allied fields, undertake research and facilitate technology transfer in Marathwada region of Maharashtra.

The University is well known for its innovative research in sorghum, pigeon pea, soybean, sunflower, safflower, cotton which are the strength of the University. Highly accepted and commercial GM Bt cotton hybrid i.e. NHH-44 and virus resistant variety (Parbhani Kranti) of ladies finger are developed by this University.

Details about Workshop

The severity of global population and climate change necessitated for application of automation like Drones, Robotics, Automated guided Vehicles (AGVs), Artificial Intelligence (AI), Internet of things (IoT), Information technology (IT) in agriculture sector. Digital farming comprises applications of modern automation machines for clean and sustainable growth of food for the rapid growth of population. Digital farming solutions are used for crop cultivation, growth monitoring, transportation, and agricultural management applications. These advanced machines/devices are most useful in embedded farming activities right from nursery to post harvesting process and can be more effectively used in IoT. So, there is need to understand what is digital farming solutions and their applications in the agricultural field for researchers, faculty/students to develop and enhance in the agricultural productivity.

Venue

NAHEP-CAAST, VNMKV DFSRDA Centre, Parbhani, M.S. 431 402, India



Application Form

1. Full Name (Block letters) : _____
2. Designation (Students/Faculty) : _____
3. Date of Birth : _____
4. Sex (Male/Female) : _____
5. Category (OPEN/OBC/SC/ST) : _____
6. Discipline : _____
7. Domicile State : _____
8. Affiliation : _____
9. Address for correspondence : _____
(Including Phone, Fax & E-mail*) Email must for intimation of selection.
10. Educational Qualification : _____

Degree	Board/University	Subject	Year	CGPA /OGPA
Ph.D.				
M.Sc.				
B.Sc.				

11. Professional Experience : _____
12. M.Sc. & Ph.D. Thesis : _____
(Title, objectives and Output)
13. Current area of research/ Project: _____
14. Fellowship : _____
15. Awards : _____
16. Does your Current Research work/ Project needs digital tools AI, Robot, Drone, AGVs Application: _____
17. Publications : _____

Signature of Applicant

Date:

Place:

13. Certificate and Recommendation by forwarding authority. It is to certify that the information provided above is verified from the records and found correct. The applicant is recommended and nominated for attending the NAHEP sponsored workshop on "Digital Farming Practices by Agri drones, Agri-Bots and Agri-AGVs" at VNMKV, Parbhani.

Signature with seal of the Authority

Date:

Place: