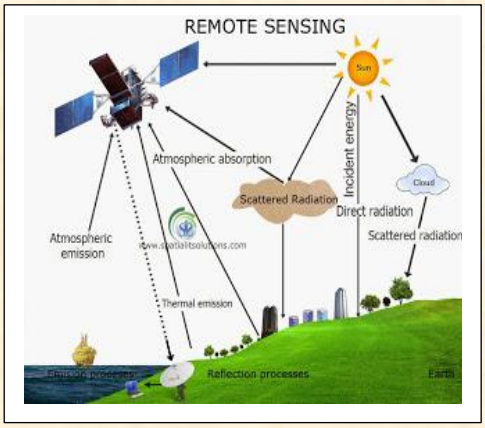
Centre of Excellence for Digital Farming Solutions for Enhancing Productivity By Robots, Drones And AGVs (DFSRDA)

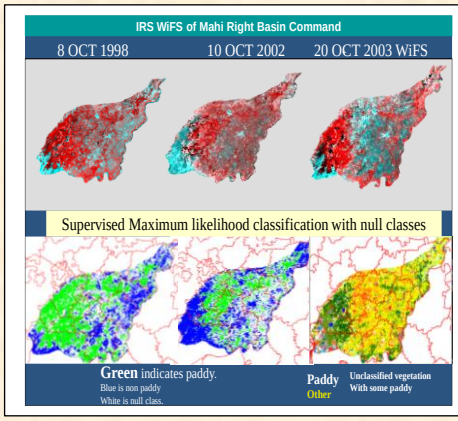
Vasantrao Naik Marathwada Krishi Vidyapeeth, Parbhani

One-week online Training Programme on

"Application of Remote Sensing & GIS In Digital Agriculture"

4 – 8 June, 2020





ABOUT

Centre of excellence for Digital Farming solutions for Enhancing Productivity by Robots, Drones and AGV's **(DFSRDA),** VNMKV, Parbhani is organizing a "**One Week online training on "Application of Remote Sensing and GIS in Digital Agriculture" during 04th to 08th June, 2020**. "The Centre for Advanced Agricultural Science and Technology (CAAST) for Digital Farming solutions by Enhancing Productivity by Robots, Drones and AGV's (DFSRDA)" is being implemented in Vasantrao 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.

AIM

The aim of organizing this training is to expose the participants to basic principles of RS and GIS and their applications in agriculture. This training is designed for participants to acquaint with the various processes involved in acquiring, analysis and interpreting RS and GIS data used for various applications. This training will also help to give understanding on the application of RS and GIS in solving the research problems.

BACKGROUND

Land and water are becoming scarce due to immense agricultural and demographic pressure. Hence, their information and possibilities for their optimal use is essential for the selection, planning and implementation of land and water use schemes to meet the increasing demands for basic human needs and welfare. Remote sensing (RS) gathers the information about the objects or area of the real world at a distance without coming into direct physical contact whereas Geographic Information System (GIS) is a computer assisted system designed to capture, store, manipulate, analyze, manage, and present all types of spatial or geographical data. GIS and RS helps in solving complex issues in future digital agriculture. Spatial tools such as the Global Positioning System (GPS), Geographic Information System (GIS) and Remote Sensing (RS) for storing and analyzing spatial data can help us make better decisions in agriculture, land development, management of water resources, identification of pest attacks and diseases, yield assessment studies, land suitability assessment and precision agriculture. in the agriculture and food sector, the spread of emerging digital technologies like mobile applications, remote-sensing, decision support system, and distributed computing are already improving small holders' access to information, inputs and markets, increasing production and productivity, streamlining supply chains and reducing operational costs, very crucial in order to understand the concept deeply to explore the innovative use of the technology and its application areas. Participants will apply their skills to one of several case studies in topics on agriculture, crop monitoring, water resource management and risk assessment among others. This course will offer a variety of lectures, demonstrations and hands-on exercises using open source GIS and RS software's and geo portals.

TARGET AUDIENCE

PG, Ph.D. Students, Progressive Farmers, Faculties, Scientists a of Vasantrao Naik Marathwada Krishi Vidyapeeth, Parbhani and other Universities, ICAR and KVK's in the area of Soil Science, Agronomy, Plant pathology, Entomology, Horticulture, Extension, Economics and Agril Engg. etc. and staff of Government Departments are eligible to register and are requested to take advantage of the online training course during this COVID- 19 lock down period.

OBJECTIVE

- To understand the basic concepts of GIS and Remote Sensing
- To make aware the participants about various applications of Geospatial Techniques in land and water resource management
- To expose the participants for newer areas where GIS and RS are being used.
- Capacity building of students and faculty in the area o RS and GIS

REGISTRATATION

Free registration to all participants. The list of selected candidates will be displayed on the website https://nahep.vnmkv.org.in/.

The link for online FREE registration is
Link:https://docs.google.com/forms/d/1SxBdld450SIvB2r5QBbEzazKIG7jpRsPZTUJa_tpDIQ/edit

Registrations are open from **28th May, 2020** up to **2nd June 2020 till 10.00 AM**

Registration QR Code

Broucher QR Code

Communication About the Selection

The WhatsApp group of the selected candidates will be formed at least one day before the start of the training programme and all the communications regarding the training programme will be posted on this WhatsApp group. Alternatively, the candidates can keep accessing the CAAST-VNMKV website (https://nahep.vnmkv.org.in/) regarding the selection, preferable on the day before the start of the training programme.

Instructions to the Participant

- Participants need to register by clicking on the link above and should provide an active email ID and WhatsApp number for further communication. If email ID and WhatsApp number are not appropriate, you may not receive any communications.
- Daily lectures through online platform will be conducted along with online discussions and tutorials. The link, ID and password for joining the online session will be communicated through WhatsApp group of the selected candidates 30 mins before the start of the session.
- Certificates will be issued to those participants only who will complete all online sessions and assignments/tutorials.

Training Co-Ordinators

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PATRONS

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