

SKILL DEVELOPMENT TO USE SPATIAL DATA FOR NATURAL RESOURCES MANAGEMENT IN AGRICULTURE

Educative learning program of Agriculture Executives

(28th Feb 2022 - 5th Mar 2022)



Centre for Advanced Agricultural Sciences and Technology



**NATIONAL AGRICULTURAL HIGHER EDUCATION PROJECT
COLLEGE OF AGRICULTURAL ENGINEERING,
JAWAHARLAL NEHRU KRISHIVISHWA VIDYALAYA
JABALPUR, MP, 482004**

Project website: www.nahep-jnkvv.org

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Dr. M. K. Awasthi

Co-PI NAHEP (Skill Development)

About Jawaharlal Nehru Krishi Vishwa Vidyalaya, Jabalpur

Jawaharlal Nehru Krishi Vishwavidyalaya established on October 2, 1964, is a forerunner university located in Jabalpur, Madhya Pradesh. The university is awarded Sardar Ballabh Bhai Patel Outstanding University Award for the year 2018 by the Indian Council of Agricultural Research, New Delhi. The university has various constituent colleges, Agricultural Research Stations, and Krishi Vigyan Kendra's. The University offers Bachelor's, Master's, and Doctoral degrees in the Faculty of Agriculture and the Faculty of Agricultural Engineering. The University also offers diploma courses of two years in "Seed Production" and "Nursery Management" at Horticulture Vocational Education Institute, Garhakota, Sagar, MP.

About NAHEP

NAHEP is designed to strengthen the national agricultural education system in India with overall objective to provide more relevant and high-quality education to agricultural university students. This programme has been promoting efficiency and competitiveness through changes in working mechanism of agricultural universities, raising the teaching and research standards through improved research and teaching infrastructure and enhanced faculty competency and commitments, and making agricultural education more attractive to talented students. There are four key components under NAHEP, namely; Institutional Development Plan (IDP), Centers for Advanced Agricultural Sciences and Technology (CAAST), ICAR to support excellence in agricultural universities (AUs), and ICAR Innovation Grants to AUs

Skill Development to use Spatial Data for Natural Resource Management in Agriculture

Objectives:

- To build basic capacity for using RS & GIS techniques applied for betterment of Natural Resource Management particularly in Agriculture and allied sectors.
- To identify appropriate techniques for integration of spatial and ground data to realize problems related to land, water and vegetation.
- To develop user friendly spatial data products using identified technologies for policymakers, researchers, field workers and farmers.

About the Educative learning program of Agriculture Executives

Online training on intended to cover the basics of RS & GIS as well as empowering participants to efficiently read and use the information contained on various classified maps that are readily available or will become available in the future for various planning purposes.

Address for Correspondence

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Participants

Agriculture executives have been nominated by Directorate of Agriculture, MP, India to participate in this on-line training program. This training program will help them to apply basic RS and GIS application techniques in Agriculture.

Registration Details:

Please fill the Google registration form for registering on this training

<https://forms.gle/oBGNtwzfkVcZk5R5A>

The registration link will be closed by 5.00 pm at 27.02.2022

Webex Meeting Details

<https://piicarnahepcaast.webex.com/piicarnahepcaast/j.php?MTID=m62057da17f88bda09be3af0cf1e9549>

Meeting number: 2515 781 8398 Password: nahep

Please Note:

- Attendance of participants will be monitored for all the training sessions. 75% of the training attendance

Training Title: Educative learning program of Agriculture Executives (28th Feb 2022 - 5th Mar 2022)

Course Coordinator: Dr. R. K. Nema

Training Coordinator: Dr. M. K. Awasthi

Date	Time	Topic	Faculty
28.02.2022	11.45 am- 12.00 pm	Inauguration	Dr. R. K. Nema Dr. M. K. Awasthi
	12 Noon – 2.00 pm	Concept of RS & GIS and its application in Agriculture planning, execution, and monitoring tasks	Dr. Arpna Bajpai
		Pre-Training assessment Interaction with participants	
01.03.2022	12 Noon – 2.00 pm	Classified Land use land cover maps & Classified Crop maps & Crop area identification	Dr. Poonam S Tiwari (Scientist F, IIRS Dehradun) Dr Umakant Rawat
02.03.2022	12 Noon – 2.00 pm	Groundwater potential zone maps Lineament maps for Water harvesting site selection in watersheds	Dr. Sourabh Nema
03.03.2022	12 Noon – 2.00 pm	Vegetation index maps for crop yield modelling	Dr. V. Sahgal, Professor, IARI, New Delhi
		Crop condition assessment using RS & GIS	
04.03.2022	12 Noon – 2.00 pm	Rs & GIS in Crop Resource Management	Dr. P S Pawar
05.03.2022	12 Noon – 1.30 pm	Satellite Data availability at open source and Collection of field data and verification of satellite data	Dr. Manish Nema, Scientist D, NIH Roorkee Er. Anjali Patel
	1.30-2.00 pm	Valedictory function	Dr. R. K. Nema Dr. M. K. Awasthi