

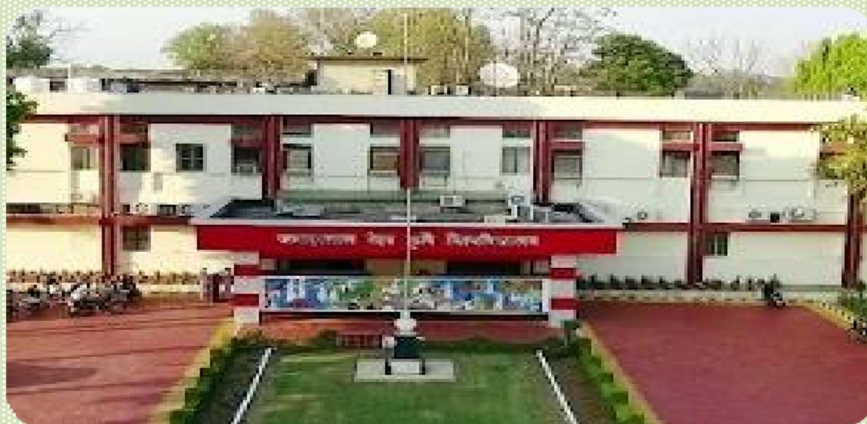


Jawaharlal Nehru Krishi Vishwa Vidyalaya, Jabalpur, Madhya Pradesh

FIVE DAYS ONLINE PROGRAM

LECTURES ON SPATIAL DATA USE IN AGRICULTURE

FEB 08-12, 2021



Organized by

NAHEP-CAAST

**Skill Development to Use Spatial Data for Natural Resource
Management in Agriculture**

**College Of Agriculture Engineering, JNKVV, JABALPUR,
M.P. INDIA,**

Project Website: www.nahep-jnkvv.org

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

- 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 policy makers, researchers, field workers and farmers.

Chief Patron

Dr. P.K. Bisen
Honorable Vice-Chancellor, JNKVV, Jabalpur

Patrons

Dr. R.C.Agrawal
National Director, NAHEP, ICAR, New Delhi

Dr. Prabhat Kumar
National coordinator, NAHEP, ICAR, New Delhi

Dr. Dharendra Khare
Dean Faculty of Agriculture

Dr. P.K. Mishra
Director Research Services

Dr. (Smt) Om Gupta
Director Extension Services

Dr. Abhishek Shukla
Director Instructions

Conveners

Dr. R. K. Nema
Dean, C.A.E, JNKVV Jabalpur & PI, NAHEP CAAST

Program Coordinator

Dr. M. K. Awasthi
Principal Scientist & Co-PI NAHEP (Skill Development)

ABOUT THE ONLINE TRAINING

Lectures on spatial data use in Agriculture

Online lectures on spatial data use in Agriculture, live mentorship from the subject matter expert having in-depth knowledge of the relevant field from highly reputed institutions like IIRS Dehradun, IIT Roorkee, NIH Roorkee, JAU, Junagadh . Access to shared resources, helpful in learning and practicing RS and GIS applications in Agriculture. Recording that can be viewed anytime.

Address for Correspondence

Dr. Sourabh Nema, Research Associate, NAHEP **+91-9930081190**

Dr. Minakshi Meshram Senior Research Fellow, NAHEP, **+91- 9755390422**

Er. Alok Rajpoot, Research Associate, NAHEP **+91 9993408463**

Contact Email: sdnahep@gmail.com

Participants

Faculty/Researchers from SAUs/UGC recognized Institutes/Universities, Students of Master & Ph.D. Degree can participate in this online training program. This training program will help students/faculty to learn and apply RS and GIS applications in Agriculture.

Registration Link: For free online registration log on-

Please note:

E-Certificate will be issued to all the participants having 75% of the training attendance 50% presence per attended session.

Capacity Building Program
Lectures on Spatial Data use in Agriculture

S.N	Title	Time	Date
L1	Basics of Remote Sensing (RS), satellites data and GIS	10.30-11.30	08.02.2021
L2	Hydrological application of remote sensing and GIS	11.45- 12.45	
L3	Remote sensing applications in sediment yield and reservoir sedimentation	10.30-11.30	09.02.2021
L4	Land use and Land Cover classifications: Visual and Digital methods	11.45- 12.45	
L5	RS applications in Soil Mapping and Land Use Planning	10.30-11.30	10.02.2021
L6	Crop discrimination and Acreage estimation	11.45- 12.45	
L7	RS in crop condition Assessment: biotic & abiotic stress	10.30-11.30	11.02.2021
L8	Microwave RS in Crop Inventory	11.45- 12.45	
L9	RS in crop Yield Modelling : Spectral Vegetation Index based Yield Model	10.30-11.30	12.02.2021
L10	RS and GIS applications in crop water requirement	11.45- 12.45	

Online Platform

Cisco WebEX link will be provided to registered participants only on first come first serve basis