



One Week Hands on Training
on
Ground Water Potential Zoning and identification
of suitable sites for GWR

(23rd Dec 2022 – 30th Dec 2022)



NATIONAL AGRICULTURAL HIGHER EDUCATION PROJECT
COLLEGE OF AGRICULTURAL ENGINEERING,
JAWAHARLAL NEHRU KRISHIVISHWA VIDYALAYA
JABALPUR, MADHYA PRADESH, 482004

Project website: www.nahep-jnkvv.org

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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 One Week Hands-on training

This offline training is intended to cover the applications aspects of RS & GIS with empowering participants to efficiently do the hands-on on RS & GIS software's for ground water potential zoning and identification of suitable site for water recharge structures which can be very useful for decision making and efficient planning and management purposes.

Address for Correspondence

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Participants

Scientists/ Administrators/ University Teachers/ Faculty Members/Professionals are invited to participate in this offline training program for one week duration. The participants have to nominate themselves from their Head of the Institution/ Department as applicable.

Registration Details:

<https://forms.gle/Tv4ya15TXfZPSAK68>

The online registration is mandatory. In case of any difficulty in uploading the Nomination in registration form, The interested candidate can send their nomination at sdnahep@jnkvv.org . sdnahep@gmail.com

The last date to fill this registration form will be 15 Dec 2022 at 5.30 pm. After that, applications will not be considered.

Terms and Conditions

- Only nominated candidate will be considered for this one week training program.
- There will be no fees charged for this training
- Free boarding and Lodging will be provided at University Guest House
- NO TA/DA will be provided by NAHEP Project. The candidates will have to bear any travel cost to attend this training.
- This programme has a limited number of available seats; final candidate selection will be decided by training organizers based on the subject's relevance and applicability to interested candidates.

Ground Water Potential Zoning and identification of suitable sites for GWR

One Week Training Schedule: (23-12-2022 to 30-12-2022)

Date	10:30- 11:45 AM	12:00- 1:30 PM	3:00- 5:30 PM
23/12/2022 Friday	Registration and Inauguration	Introduction to GIS Software	Georeferencing of Map
24/12/2022 Saturday	Expert Lecture	Generation of vector features such as Point, Line, and Polygon	GIS vector operations
25/12/2022 Sunday	Expert Lecture	DEM Data download and Watershed Delineation	Thematic map preparation through DEM data (Slope, Drainage Density map)
26/12/2022 Monday	Expert Lecture	Lineaments and Lineaments Density map preparation	Soil Texture map & Land Use/ Land Cover (LULC) map preparation
27/12/2022 Tuesday	Expert Lecture	Geology and Geomorphology map preparation	Rainfall map preparation
28/12/2022 Wednesday	Expert Lecture	Reclassification of different thematic maps	Ranking and Weightage of thematic layer (Multi-Criterion Decision Making Approach: AHP) & Groundwater Potential Zones map preparation
29/12/2022 Thursday	Expert Lecture	Validation of Groundwater Potential Zones Map	Map Layout Preparation
30/12/2022 Friday	Priority Zone preparation in Groundwater Potential Zones map	Identification of Suitable Sites for Artificial Groundwater Recharge Structures	Feedback and Valedictory

Morning Tea Time: 11:45 AM – 12:00 PM

Lunch Time: 1:30 PM – 3:00 PM

Evening Tea Time: 4:00 PM – 4:15 PM