

Training cum orientation program on Geo-informatics

Target Group	Assistant Professor of JNKVV, Jabalpur.
Date of Workshop	December 14-15, 2020
Time	11.30 a.m. – 1.30 p.m.
Location	CAE, JNKVV, JABALPUR
1. Objective	
Online training on Remote Sensing & Geographical Information System under NAHEP-CAAST-CSDA Project for Faculty.	
2. Participants	
<p>Participants – Dr. Amit Jha, Ajay Singh Lodhi, Dr. Vikas Jain, G.S. Tagore, Gulfishan Firdose Ahmed, Praveen Kumar Mishra, Satish Kumar Sharma, Smita Singh, Vivek Badhe.</p> <p>Coordinator - Dr. S. K. Sharma (Co-PI, Research), Dr. Popat Shivaji Pawar- Research Associate, Dr. Umakant Rawat (RA), Dr. Devendra Vasht (RA), Dr. Sourabh Nema, Ankit Yadav (RA), Aniket Rajput - SRF,</p>	
3. Brief description about content discussed during training	
<p>Welcome: A warm welcome to training programme by Dr. S.K. Sharma, coordinated the programme. Dr. S. K. Sharma, has presented Training cum orientation program on “Geoinformatics” has been organized for the Assistant Professors (Course Teachers of Subject Geo-informatics) from 14/12/2020 to 15/12/2020 under NAHEP-CAAST, at College of Agricultural Engineering, JNKVV, Jabalpur. During this training basic of remote sensing and GIS was covered with online session on GIS software (QGIS Software). The procedure for downloading satellite imagery from an open-source platform and basic processing of the satellite image using QGIS software were also covered during the training period. The pre and post training evaluation test was conducted for the assessment of training program. shares the presentation of Remote sensing process, Details about EMR Spectrum, Satellites, Sensors and space programs, About GPS, Brief about GIS and its functionalities, Image interpretations, Applied RS and GIS application in field of Agriculture, Opportunities in the field of RS and GIS, how to get the admission in Agriculture Education, Carrier opportunities and Scopes.</p>	
<p>Concluding session: The programme was concluded by Dr. S. K. Sharma, and appreciated to the Faculty who tried to understand about Training cum orientation program on “Geoinformatics”. Listening to any prominent personality in Training programme helps the participants to gain information. Certificates were distributed to the participants for successfully completing the online and offline training programme.</p>	
<p>Output: Total 9 Faculties from the institute were benefitted by this training cum orientation program. A discussion on the research opportunities was also done to team up and work accordingly in this field.</p>	

Training Schedule

Sr. No.	Date	Course Topics	Online/ Offline
1	14th Dec	Basic of Remote Sensing & GIS	Online
2	15th Dec	Brief about GIS & its functionalities	Online

Distribution of participants

Number of Participants						% of participants in diff. category			
Gender	UR	SC	ST	OBC	Total	UR	SC	ST	OBC
Male	6	0	1	1	8	75.0	0.0	12.5	12.5
Female	1	0	0	0	1	100.0	0.0	0.0	0.0
Total	7	0	1	1	9	77.8	0.0	11.1	11.1

The image shows a Zoom meeting interface with a presentation slide on the left and a participant list on the right. The presentation slide is titled "GIS is:" and contains the following text:

GIS is:
the art, science, engineering and technology associated with spatial patterns and processes and their management

GIS is multidisciplinary and represents a convergence of: remote sensing, surveying, cartography, statistics, operations research, computer science, mathematics, and the application areas

The second slide is titled "MAP PROJECTIONS LEAD TO DISTORTIONS" and contains the text: "Choice of Projections depends on allowable distortions in:"

The slide lists four types of distortions with corresponding diagrams:

- SHAPE**: A diagram showing a circle being distorted into an oval.
- AREA**: A diagram showing a circle being distorted into a larger circle.
- DISTANCE**: A diagram showing a straight line being distorted into a curved line.
- DIRECTION (Angle)**: A diagram showing a right angle being distorted into an acute angle.

The participant list on the right shows 10 participants, including the host, Dr. Shaleesh Kumar Sharma, and other attendees like Rajendra Kumar Nema, Ajay Singh Lodhi, and Dr. Vikas Jain.

Summary of Features of a GIS:

A GIS reads maps and produces maps.
It can create maps in different scales, projections and colours

But it is NOT just a computer system for making maps

It is primarily an ANALYTICAL TOOL that provides new ways of looking at and analyzing data, by projecting tabular data into maps and integrating data from different sources

Participants (11)

- RN Rajendra Kumar Nema
- DS Dr Shaleesh Kumar Sharma (Host)
- AL Ajay Singh Lodhi
- DJ dr Armit Jha
- DJ Dr. Vikas Jain
- GT G S Tagore
- GA Gullfishan Firdose Ahmed
- PM Praveen Kumar Mishra
- SS satsishkumar sharma
- SS smita singh

Sources of Geographic data

Spatial data

Attribute data

Analog Maps

Topography

Land use

Soil

Geology

Aerial Photos

Spot

Satellite Images

IRS

ERS-1

Landat

Reports

Agriculture

Industry

Economy

Population

DATA SOURCES

Source: (Muzai and Muzai, 1999)

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