

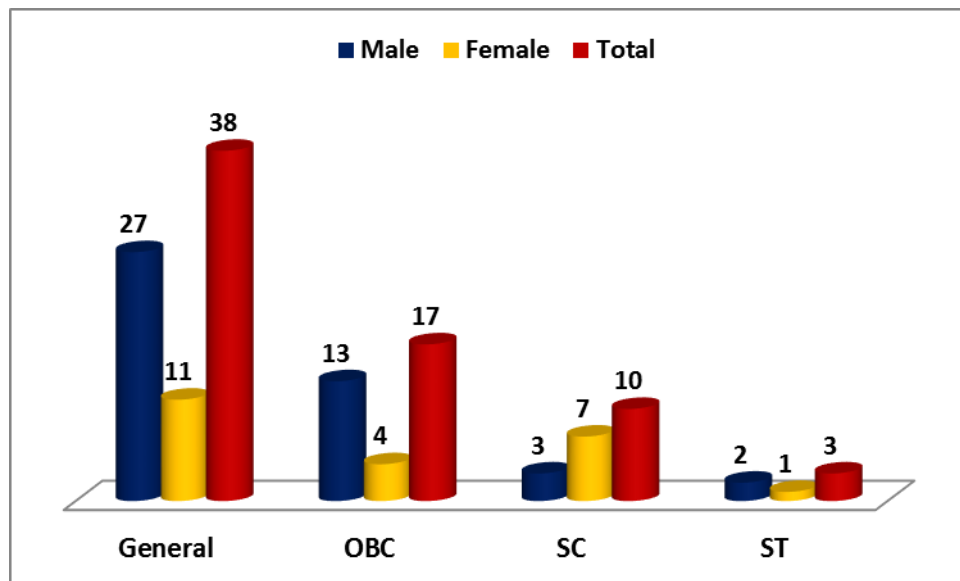
Exposure to RS & GIS Application in Agriculture	
Target Students Group	All KVK Scientists
Date of Workshop	February 18, 2021
Time	12.00 a.m. – 1.00 p.m.
Location	CAE, JNKVV, JABALPUR
1. Objective	
Awareness program on RS & GIS for KVK Scientists.	
2. Participants	
<p>Dr Satendra Kumar, Umeshwar Rajwade, Dr AK Rai, Dr. R. K. Jhade, Dr. Murlidhar Ingle, Ashok. P. Bhandarkar, Akhilesh Kumar Patel, Gopal Carpenter, Rajni Prabha Kori, Nidhi Verma, Pushpa Jharia, Jagriti Borkar, Dr. Minakshi Meshram, Jagriti Borkar, Dr. Omprakash Bharti, Roop Chand Jatav Mukesh Kumar Bankoliya, Ketki Dhumketi, Deepak Chouhan, Bhagwat Prasad Pandre, Gigi Annee Abraham, Renu Pathak, Sarita Sharma, Dr Reena Nair, Dr Sarita Singh, Niharika Shukla, Chanchal Bhargava, Dr. Shikha Sharma, Dr. Pramod Kumar Gupta, Rachit Nema, Dr Rakesh Kumar Prajapati, Dr K S Baghel, Gaurav Mahajan, Somanath Sarvade, Sanjay Jain, Dr Ashish Kumar Tripathi, Nikhil Kumar Singh, Dr.G.C.Ojha, Dr. Pramod Sharma, Dr. Sanjay Kumar Singh, Dr Swapnil Dubey, Dr Dhananjai Singh, Dr. Jai Singh, Dr. Akhilesh Kumar Chaubey, Mr. Satpal Singh, Dr. Rudrasen Singh, Om Prakash Prajapati, Avdhesh Kumar Patel, Dr. S. K. Tiwari, Padmnabhi Tripathi, Dr Sarvesh Kuma, Aniket Rajput, Swapnil Nivrutti Khade, Megha Vishwakarma, Priya Chouksey, Anjali Patel, Dr Sandhya Mure, Sumit Kakade Ravindra Borse, Gagandeep Singh Patel</p>	
3. Content of Events	
Programme Summary- Application of Remote Sensing and GIS in Agriculture	Presentation by Principal Investigator about remote sensing and GIS. Brief discussed for Remote sensing process, area and application of Rs in the agricultural sector, capabilities of RS and GIS, 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, Preparation of integrated maps for decision making.
Discussion with participants	During the course, the participants will be exposed to Basic Principles of Remote Sensing, Earth Observation Sensors and Platforms, Thermal Remote Sensing, Spectral Signatures of Different Land cover Features and Visual Image interpretation and Hyperspectral Remote Sensing technology.
Output of programme	Sixty-Eight participants registered for the awareness programme on Remote Sensing & GIS and out of these Fifty-three students have attended on training on the subject. Total 53 participants have attended the training. Total male participants were 45 and female participants were 23. Percentage of participants in different categories were reported as UR- 56%, SC- 15%, ST- 4% and OBC- 25%. As per feedback received from participants, 72% respondent said that they have found session interesting. 82% respondent rated excellent experience of the lecture and 12% rated the session with good experience.

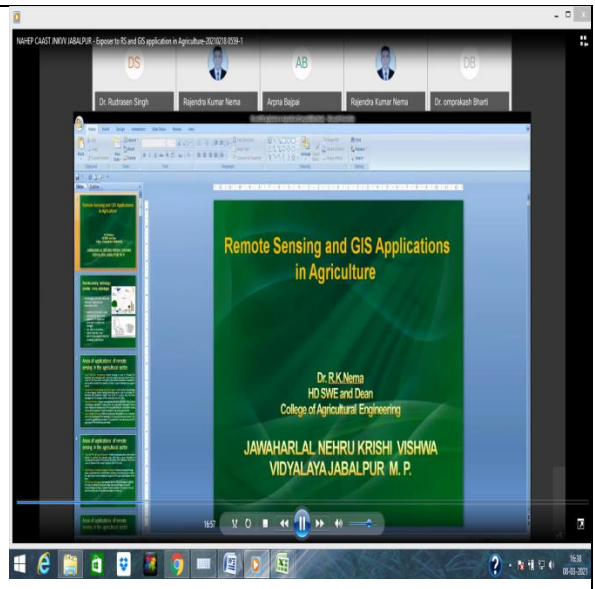
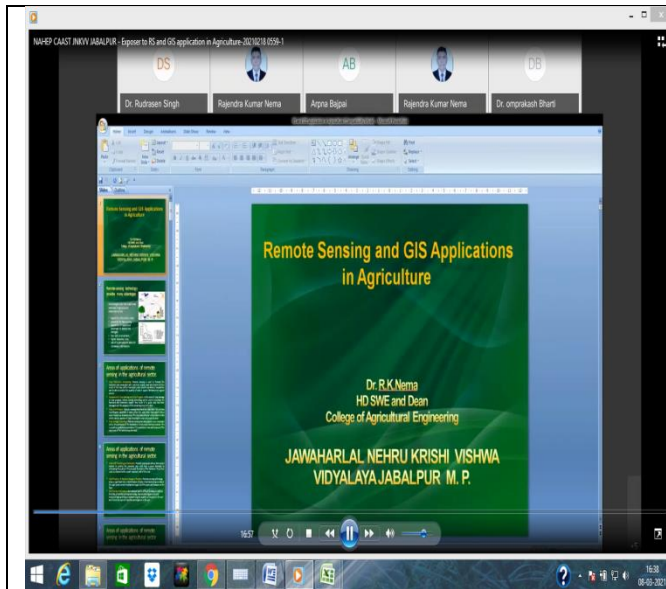
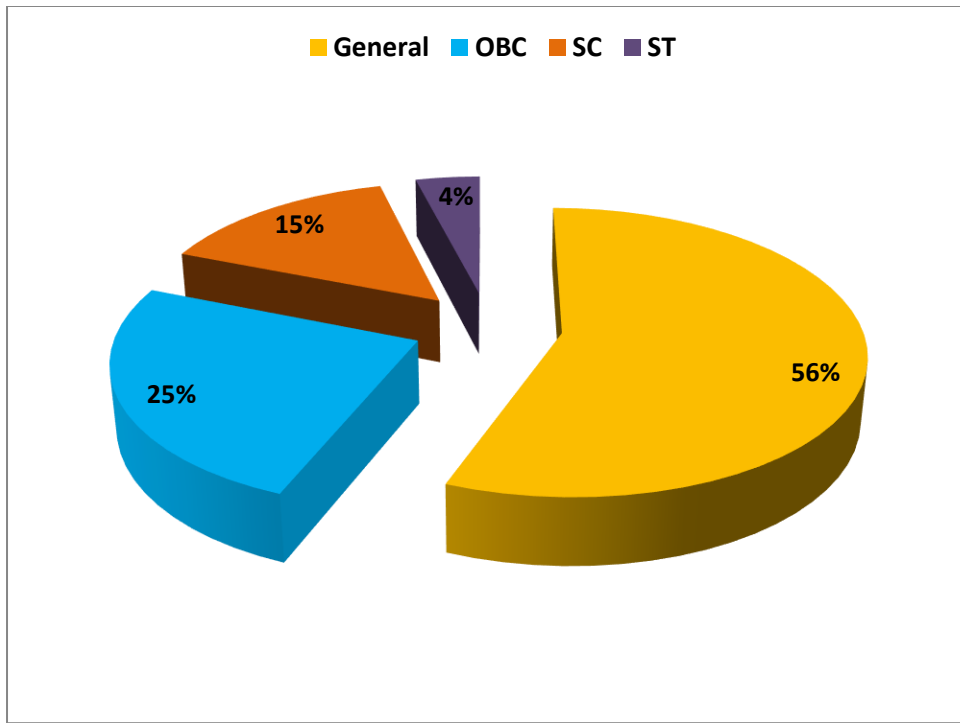
Training Schedule Date	Speaker	Course Topic
18st Feb 2021	Dr. R.K. Nema Dean, CAE, JNKVV & PI, NAHEP	Remote sensing and GIS application in agriculture

Statistical distribution of participants

Exposure to RS & GIS Application in Agriculture									
Number of Participants					% of participants in diff. category				
Gender	General	OBC	SC	ST	Total	General	OBC	SC	ST
Male	27	13	03	02	45	60	29	07	4
Female	11	04	07	01	23	48	17	30	5
Total	38	17	10	03	68	56	25	15	4

Training Attendance- 53





R.K. Nema pushpa jharia Rajendra Kumar Nema veena pari Srivastava vijay parashar

Soil Erosion Estimation

+37

R.K. Nema pushpa jharia Rajendra Kumar Nema veena pari Srivastava Dr. Rudraam Singh

Remote-sensing technology provides many advantages

Advantages over the traditional methods in agricultural resources survey

- capability of synoptic view,
- potential for fast survey,
- capability of repetitive coverage to detect the changes,
- low cost involvement,
- higher accuracy, and
- use of hyperspectral data for increased information.

+38

R.K. Nema pushpa jharia Rajendra Kumar Nema veena pari Srivastava vijay parashar

Groundwater Potential Zoning

+39

R.K. Nema	veena pari Srivastava	Rajendra Kumar Nem	vijay parashar	pushpa jharia
GA	DM	OP	DS	DS
Gopi Anand Abraham	Dr. Manishi Mehra	OM PRAKASH PRALA	Dr. Dhanraj Singh	Dr. Somnath Sarwad
RN	VS	GL	SK	AT
Rajni Nema	Vijay Singh	Gopal Carpenter ICA	suniti kulkarni	emita bawli
BP	NV	DN	DB	SS
Shagun Pandey	roshi vema	Dr. Saurabh Nema	Dr. Kewal Singh Bagh	Sitpal Singh
MM	JB	PC	AP	PT
maganik Mehra	Jagriti Borkar	piya choakay	Audresh Kumar Patel	Padmabati Tripathi

+40