



ICAR-NATIONAL BUREAU OF SOIL SURVEY & LAND USE PLANNING

Regional Centre, Jamuguri Road, PO - Borbheta, Jorhat-785004, Assam



A brief report of the 10 days' online training programme on "Remote Sensing and GIS: Technologies and Applications" from 05th to 16th October, 2020

A 10 days' online training programme on "Remote Sensing and GIS: Technologies and Applications" was organized and conducted at ICAR-NBSS&LUP, Regional Centre, Jorhat from 05th to 16th October, 2020. This is the 1st of its kind training programme organised by ICAR-NBSS&LUP under COVID-19 pandemic situation in a virtual mode. The concept of this training on an online platform originated due to the COVID-19 pandemic. The training programme was aimed at providing the basic and applied knowledge of Remote Sensing and GIS and also a basic practical training to work with RS and GIS software independently.

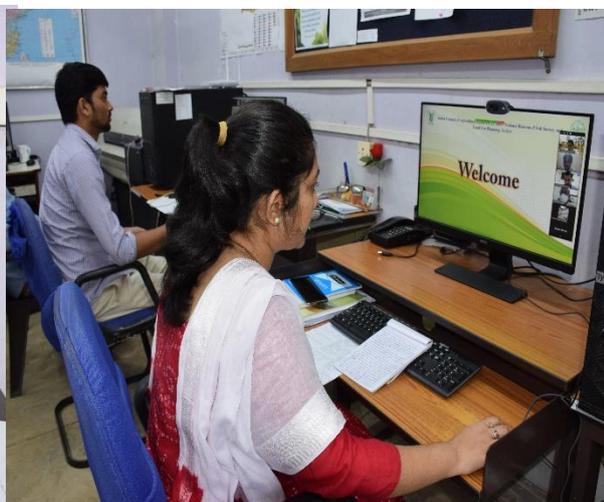
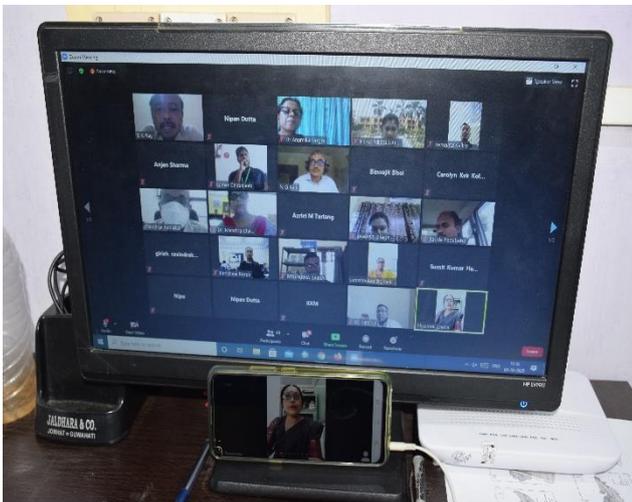
The training brochures was available online in Bureau's site. The applications of trainees were invited through Google forms developed at our institute. Many numbers of applications were received and among them 28 people were shortlisted for the said training programme. Participation was received from all over India. Among the trainees, there were 10 scientists/university faculty, 12 SRF/YP and 6 students from ICAR, Universities and other organization.

Ms. Surabhi Hota, In-charge RS&GIS, and Mr. K.K. Mourya, Scientist, ICAR-NBSS&LUP, Regional Centre, Jorhat were the Co-ordinators of the training programme and Dr. S.K. Ray, Principal Scientist & Head, Regional Centre, Jorhat facilitated in organizing the training programme. Mr. Bachaspati Das, Mr. Akshay Jyoti Borah, Ms. Gitimoni Borah and Ms. Karishma Borah helped the coordinators in organizing the training programme.

The training was virtually inaugurated on 5th October, 2020 by Dr. P. Chandran, Director, ICAR-NBSS&LUP, Nagpur. The first theory lecture was on Introduction to remote sensing, its concepts and principles and practical classes started with Introduction to RS & GIS softwares. Following this, there were lectures on Electromagnetic radiation, image interpretations, RS platforms, sensor systems and the application of RS & GIS in agriculture, soils, forest and ecosystem mapping, water resources and urban planning. The theory lectures were given by very experienced and knowledgeable faculties of ICAR-NBSS&LUP, HQrs.

and Regional Centres. A special guest lecture was organized on “Use of RS & GIS in the development of soil information system”. In the practical sessions, downloading satellite imagery, mosaicking, band compositing, image processing, LULC mapping, terrain analysis, change detection and mobile GPS were included. The practical classes were conducted using ArcGIS and SagaGIS software.

The valedictory session was held on 16th October, 2020 at 3.45 PM, chaired by the Director, ICAR-NBSS&LUP, Nagpur. The trainees shared their feedback and were satisfied with the training content and learnings received both as theory and practical sessions. Training certificates were virtually presented to the trainees by the Director. From the feedback of the trainees, scientists and other staff of the Bureau it appears that the training was conducted in a befitting manner and very successful in its endeavour.



Inaugural Programme on

Virtual Platform



Online theory and Practical Classes



Valedictory programme and certificate presentation to the trainees