GIS DAY
CELEBRATION
15th November 2023

SEMINAR MODE: ON LINE
Time: 11.30 am Onwards

Jointly Organized By

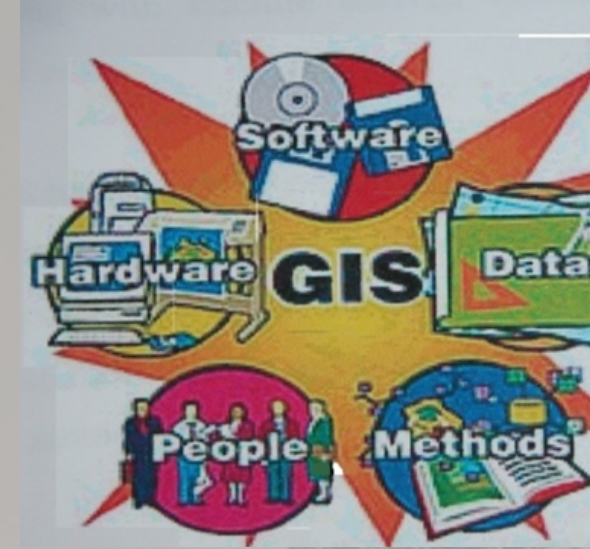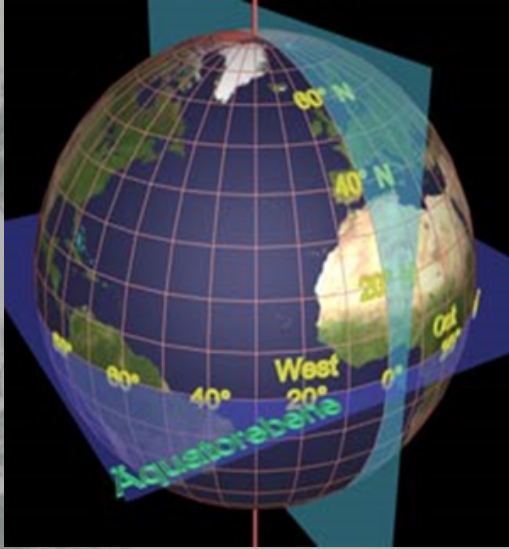**Geographical Society of Central Himalaya**

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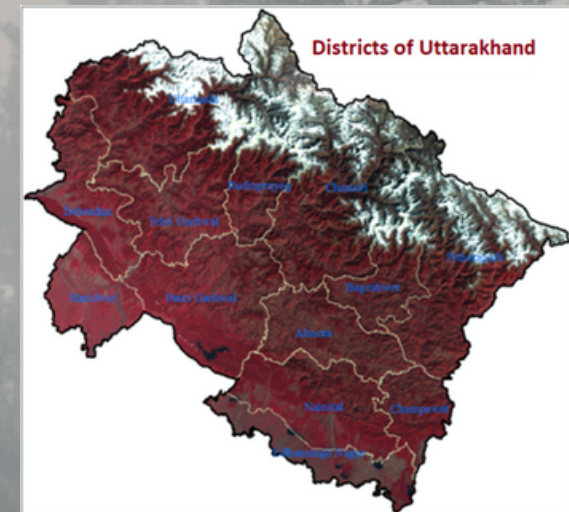**Centre of Excellence for NRDMS in Uttarakhand**
Soban Singh Jeena University, Almora.

Opening Remark By

Prof. Satpal Singh Bisht
Vice Chancellor
SSJ University, Almora

Plenary Speakers

Topic-Digital Geography of Uttarakhand using GIS
Prof.J.S.Rawat
Former National Geospatial Chair Professor
(under Geospatial Programme, DST New Delhi)
Former Professor and Head.Department of Geography
Kumaun University, Nainital

Overview of GIS Technology of Past and Present

Prof.D.N.Pant (Retd.Scientist)
IIRS Dehradun

GIS and Digital Cartography

Prof. D.D.Chauniyal
Visiting Professor and ICSSR National Fellow
Doon University,Dehradun
.

Advisory Committee

Prof.J.S.Rawat,Former National Geospatial Chair Professor, Geospatial Programme, D.S.T. New Delhi.

Prof.V.P. Sati, Senior Professor, Department of Geography,Mizoram University(A Central University),Aizawl Mizoram.

Prof. D.D.Chauniyal, Former Professor, Department of Geography,HNB Garhwal Central University,Srinagar Garhwal.

Prof.M.S..Negi, Former Head,HNB Garhwal Central University,Srinagar Garhwal.

Prof. B.R. Pant.Head,Department of Geography,Govt.MBPG College Haldwani,Nainital.

Organizing Committee

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Former Professor,Department of GeographyHNB Garhwal University

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Ret. Associate Professor, Department of Geography TD College Jaunpur, U.P

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*Participation Certificate will be issued after completion of event.
Registration as well as feedback form compulsory for participants for E-Certificate.

*If you want a printed certificate, the registration fee for it is ₹ 250.
Account Name : Geographical Society of Central Himalaya
Account Number 41002340916, IFSC code SBIN0007893

*Please Join Google Meet by 10 minutes before 11: 30A.M. on 15th November,2023

Webinar Link: Google Meet link will be sent to the
WhatsApp group 10 minutes before the Webinar.

Google Registration Form Link: https://forms.gle/yuuK2eYfiKsKy5Ud8

***Enquiry: Dr.Rajesh Bhatt,Vice President GSCH
Email: vpgschuki21@gmail.com**

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MESSAGE
GIS DAY 2023

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Roger Tomilson- a Computer Engineer devised G.I. S. methodology (software) while working with the problems of various Departments having different networks in Ottava city of Canada in the year 1960. Later, Environmental Science Research Institute (ESRI) Redlands, California, U.S.A. of has entered in this field and has celebrated GIS day for first time in 1999. Geographical Information system is a milestone in the technological innovations with regard to Spatial Investigations. It satisfies all mapping requirements of academic geographical research efficiently. Manual mapping related to D.Phil. /Ph.D. research work in Geography used to consume almost half time during work period in the recent past. Now G.I.S has enabled us to handle Living Maps and Geographers may devote more time to the actual problem of investigation.

Applications Areas of G.I.S.

G.I.S. has emerged as powerful technique of a spatial analysis in 21 centuries. Now a days G.I.S.is being applied in the fields of Geography, Planning and Solutions of problems associated with Public Welfare & etc. as noted below:

*Data Handling : It makes data more understandable. Instead of looking at boring spreadsheets, you can see data on a map. This makes it easier to spot trends and understand what's going on.

*Connecting Information: GIS links different types of information together. For example, it can combine maps of land use, population, and traffic to help plan a new public transportation system.

*Environmental Management: Protecting our environment is a big deal. GIS helps scientists and policymakers track things like deforestation, pollution, and climate change, so we can take action to protect our planet.

*Disaster Management: During natural disasters, like hurricanes or wildfires, GIS is used to track the movement of the disaster, locate people in need, and plan rescue missions.

*Agriculture and Food Security: GIS aids in efficient crop management and food distribution. It ensures that farmers can maximize their yields while minimizing the environmental impact, leading to food security for society.

*Natural Resource Management: It's used to manage resources like water and minerals sustainably, ensuring a better quality of life for all while protecting the environment.

*Land use Mapping, Planning and Monitoring: Traditional way of surveying/mapping through plane table, prismatic compass and theodolite has been replaced by the hi-tech technologies of GIS viz., remote sensing and GPS/DGPS. Now the surveying/land use mapping, planning and monitoring of land use being done through GIS.

*Site Suitability Mapping: For identification of suitable site/area for different purposes such as suitable site for, dumping yard, suitable area for cultivation of tea or apples, suitable sites for construction of a dam etc. all such works are being done using GIS technologies through computer.

*Public Health: GIS is used to track and control the spread of diseases. It helps health authorities map out disease outbreaks, identify high-risk areas, and plan vaccination campaigns, leading to improved public health and well-being.

*Urban Planning: For our cities and towns to be safe and efficient, urban planners use GIS to decide where to build roads, schools, parks, and hospitals. This leads to more organized and habitable urban spaces, enhancing our quality of life.

*Governance : Using GIS technologies, the developed countries have upgrades their e-governance system to g-governance system, i.e., GIS based governance. In e-governance system one can get quickly through computer in the form of text and tables but in g-governance system one can access information with a digital geographic map with attributes. At present, all the developing countries are striving for g-governance system. Among the developing countries, Qatar which is the first country which now completely under g-governance system. Our neighboring country, China is almost under g-governance system. In India, the g-governance system is in still incipient stage. It is a big challenge for us specially to the geographers to upgrade our e-governance system in to g-governance system by converting all the geographic maps and data into GIS environment. It is the need of the hour for us to compete globally.