

# GEOVISTA 2025

## GEOGRAPHICAL VISUALIZATION: TRENDS AND APPLICATIONS

### A National Conference

Organized by

Department of Geography, School of Earth Sciences  
Central University of Tamil Nadu, Thiruvarur

In association with

The Indian Geographical Society (IGS), Chennai

07 March, 2025

### CALL FOR ABSTRACTS



### About the Conference

Geographical visualization, otherwise geovisualization, is a dynamic and evolving field that leverages various techniques to represent spatial data visually. Geovisualization is a powerful tool that enhances our understanding of geographical entities and supports decision-making across various fields. For instance, environmental monitoring utilizes geovisualization to track changes like deforestation and climate shifts. Disaster management benefits from mapping affected areas and planning evacuations. Geovisualization helps monitoring crop health and resource allocation. In urban planning, it helps design efficient cities by analyzing population density and land use. Public health uses it to visualize disease spread and healthcare access. Transportation and logistics improve route planning and traffic management. In real estate, it aids in analyzing property locations. Additionally, it's employed in military strategy, education, and tourism to enhance decision-making and user engagement. With the advent of big data, geovisualization tools are increasingly integrating large datasets from various sources, including satellite imagery, sensors, and social media.

Overall, a geographical visualization can help identify region-specific challenges and opportunities, and promote tailored solutions that are effective and efficient. With this background, the Department of Geography, Central University of Tamil Nadu, Thiruvarur is organizing its flagship programme, GeoVista 2025, a scientific platform to enhance geographical visualization across the disciplines.

### Call for Papers

The national conference provides an unique opportunity to present the original research papers on following broad themes of the conference, but not limited to,

- Landform and Landscape
- Atmosphere and Climate Change
- Natural Resource Management
- Disaster Risk Reduction
- Transportation and Logistics
- Epidemiology and Public Health
- Hydrological System
- Biodiversity and Sustainable Habitat
- Agriculture and Food Security
- Sustainable Cities and Communities
- Demography and Culture
- Regional Planning and Development

Authors shall submit their abstract in 200 to 300 words with a clear title, and author list. The authors are instructed to download the abstract template from the conference website and upload their abstract in the word format (.docx) and register for the conference until **28.02.2025** using the registration link in the website.

### GeoVista Talent Hunt '25

GeoVista Talent Hunt '25 includes exciting events that provide a platform for young talents to showcase their geovisualization skills and creativity. The talent hunt not only celebrates student creativity but also helps participants build confidence, gain exposure, and connect with their peers. It provides a unique opportunity for students to explore their potential and take bold steps toward their dreams through following competitions.

1. **CartoCrafters** (Mapping Hunt)
2. **Geo ModX** (Model Hunt)
3. **Geo Shorts** (Videography Hunt)
4. **Serene Lens** (Photography Hunt)
5. **Terra Hunt** (Drawing Hunt)

If interested, please register for the talent hunt competition on or before **28.02.2025** through our conference website.

Conference Website

<https://sites.google.com/view/geovista2025/home>

## About the University

Central University of Tamil Nadu, established in 2009 through the Act of Parliament, is located in the heart of the Cauvery Delta at Thiruvavur. It consists of 13 Schools and 28 Departments with modern infrastructure and adaptable teaching-learning methodology to ensure comprehensive student development. With over 2000 students from various parts of India, the University emphasizes community engagement and offers 64 academic programs, including undergraduate, postgraduate, research, integrated programs, and PG diploma courses. How to reach CUTN: <https://cutn.ac.in/how-to-reach-cutn/>

## About the Department

The Department of Geography at CUTN was established in 2017 with a vision to develop it as a leading geography department in the country. The department is recognized with a DST-FIST grant and has received research grants from leading funding agencies in India. The department offers a postgraduate program with a sanctioned strength of 38 and a Ph.D. in Geography, focusing on areas such as physical, human, and environmental geography, as well as geospatial technologies. The department has well-equipped GIS, Image Processing, Survey, Cartography, Demography, Applied Geomorphology, and Urban Research labs.

## About the IGS

The Indian Geographical Society (IGS), the oldest Geographical Society in India, initiated its existence on 31st March 1925 and was officially inaugurated in Chennai (Madras) on 16.03.1926. At present, the Society is housed at the Department of Geography, University of Madras, Chennai. The IGS has been bi-annually publishing The Indian Geographical Journal since the year 1926. Since its inception, the journal has maintained its quality and contributed to the development of geography in various spheres of the discipline. Since 2011, the IGS has conducted state-level talent tests among young geographers at UG and PG levels and has encouraged them with cash awards and certificates. You may visit <https://igschennai.org/> for further details about the activities of the society. The IGS is currently entering its 100th year, and this conference is the flag-off event for the centennial year celebrations

## Registration Fee

Registration is compulsory to participate in the conference. The participants should pay **Rs. 300/-** as a registration fee. The registration fee includes refreshments and a working lunch.

For registration, visit our conference website <https://sites.google.com/view/geovista2025/home>

## Accommodation & Transport

Prior intimation in the registration form is mandatory if the participants require accommodation in the university guest house. Accommodation shall be arranged on first come first serve basis and will be charged applicable charges. Participants shall arrange their own travel to reach the conference venue/guest house.

## Organizing Committee

**Patron:** Prof. M. Krishnan, Hon'ble Vice-Chancellor, Central University of Tamil Nadu

**Convener:** Dr. K. Balasubramani, Associate Professor & Head, Department of Geography, CUTN

**Organizing Secretary:** Dr. Arun Prasad K., Assistant Professor, Department of Geography, CUTN

### Organizing Committee Members:

- Prof. Sulochana Shekhar, Professor (on deputation as CoE), Department of Geography, CUTN
- Dr. E. Venkatesham, Assistant Professor, Department of Geography, CUTN
- Dr. D. Surendran, Assistant Professor, Department of Geography, CUTN
- Dr. K. Annadasan, Guest Faculty, Department of Geography, CUTN
- Research Scholars, Students, and Staff of the Department

**For any further information, you can contact us at  
geocutn@gmail.com; 9847929228, 9944649258, 7904797097**

Important Dates

Registration: **28 February 2025**

Conference Date: **07 March 2025**