



FIRST CIRCULAR

XXTH DGSi INTERNATIONAL GEOGRAPHY CONFERENCE THE DECCAN GEOGRAPHICAL SOCIETY OF INDIA

23rd–25th February, 2026

Focal Theme

**Geospatial Technologies in Water and Soil Resource Management
for Sustainable Development and Vikasit Bharat
(ICGTWSRM-SDVB-2026)**



Organized By

Department of Geography

SRI VENKATESWARA UNIVERSITY

Accredited by 'NAAC' with 'A+' Grade

TIRUPATI – 517502, ANDHRA PRADESH, INDIA

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Focal Theme

Geospatial Technologies in Water and Soil Resource Management for Sustainable Development and Vikasit Bharat

BACKGROUND AND RATIONALE

Water and soil are the most vital natural resources that sustain life, agriculture, ecosystems and economic development. In India rapid population growth, urbanization, climate variability, land degradation, groundwater depletion and unsustainable agricultural practices are placing immense pressure on these resources. Efficient and scientific management of water and soil resources is therefore crucial for achieving Sustainable Development Goals (SDGs) and the national vision of Vikasit Bharat (Developed India).

In recent decades, Geospatial Technologies-including Remote Sensing (RS), Geographic Information Systems (GIS), Global Navigation Satellite Systems (GNSS), UAVs (drones) and spatial modelling-have emerged as powerful tools for monitoring, analyzing and managing water and soil resources. These technologies provide accurate, timely and spatially explicit information for Decision-Making at local, regional and national scales.

The proposed international conference aims to provide a common platform for Researchers, Academicians, Planners, Policymakers and Industry experts to share knowledge, innovations and best practices in the application of geospatial technologies for sustainable water and soil resource management in the context of Vikasit Bharat.

SUB-THEMES AND THEIR CODE NUMBERS

Note : Use following code number of Sub-theme for the submission your abstract while filling up registration in Google form

DT-1: Geospatial Technologies

for Water Resource Management :

- ◆ Surface and groundwater mapping
- ◆ Watershed delineation and hydrological modeling
Monitoring River basins, reservoirs, and irrigation networks
- ◆ Flood and drought assessment using geospatial tools
- ◆ Water quality monitoring using satellite-derived indicators
- ◆ Precision irrigation and micro-irrigation planning with GIS

DT-2: Soil Resource Assessment and Monitoring:

- ◆ Soil mapping using UAVs and high-resolution satellite data
- ◆ Soil moisture estimation using microwave remote sensing
- ◆ Digital Soil Mapping (DSM) for agricultural planning
- ◆ Soil erosion modeling and conservation planning
- ◆ Land degradation and desertification vulnerability assessment
- ◆ Soil health and nutrient status mapping with geospatial analytics

DT-3: Integrated Land and

Water Resource Management:

- ◆ Watershed-based natural resource management using GIS

- ◆ Geo-located decision-support systems for sustainable agriculture
- ◆ Landscape-based conservation planning, Integrated groundwater–surface water modeling
- ◆ Climate-smart land and water management strategies

DT-4 : Geospatial Tools for

Climate Change Impact Assessment:

- ◆ Climate modelling and vulnerability assessment using GIS
- ◆ Drought, heatwave& extreme weather monitoring
- ◆ Carbon sequestration mapping using remote sensing
- ◆ Land use/land cover change detection for climate impact studies
- ◆ Monitoring glacier melt and water availability in Himalayan basins

DT-5: Advanced Technologies and Innovations:

- ◆ Artificial Intelligence (AI) and Machine Learning (ML) in geospatial analysis
- ◆ Internet of Things (IoT) for water and soil monitoring
- ◆ Big Data analytics for natural resource management
- ◆ Cloud-based GIS platforms for environmental planning
- ◆ UAV/Drone-based mapping for resource assessment
- ◆ LiDAR and hyper spectral data applications

DT-6: Urban Water & Soil Management for DS-1 Viksit Bharat :

- ◆ Urban flood risk mapping and storm water management
- ◆ Groundwater recharge assessment in urban areas
- ◆ Monitoring soil sealing and land degradation due to urbanization
- ◆ Smart city solutions using geospatial technologies
- ◆ Wastewater reuse planning and GIS-based site suitability analysis

DT-7: Policy, Governance & Community Participation:

- ◆ National geospatial policy implementation for resource management
- ◆ Role of geospatial technologies in Jal Shakti Abhiyan, PMKSY, APMIP etc.
- ◆ Community-based water and soil conservation mapping
- ◆ Capacity building and training for sustainable geospatial use

- ◆ Public-private partnerships for Viksit Bharat 2047

DT-8: Case Studies, Best Practices & Field Applications:

- ◆ Successful watershed management case studies in India
- ◆ Micro-irrigation success stories in Andhra Pradesh, Gujarat, Karnataka
- ◆ Soil conservation and land reclamation case studies
- ◆ Use of open-source GIS tools for rural development
- ◆ Integration of geospatial data with agriculture extension services

DT-9 : International Relations and all Branches of Geography:

- ◆ Geopolitics and Nation building
- ◆ National Integration Social and cultural identity
- ◆ Tourism and sustainability
- ◆ Indian Foreign Policy, Way forward for Viksit Bharat

ATTRACTION OF CONFERENCE

(1) **Dr. V. Raghavswamy** Panel Discussion Session

(2) **Professor B. Hema Malini** Young Geographer Award Session

(For details contact : **Dr. Vishwa Bandhu Singh Chandel**, Punjab University, Chandigarh)

Mobile : 9872833637 Email : vishwa.geoinvader@gmail.com)

REGISTRATION DETAILS

Categories	Registration Fee		Total Registration Fee	Registration Deadlines
	Host Fee	DGSI Fee		
Research Scholars	INR 3000	INR 200	3200	31 st January 2026
Indian Delegates	INR 4500	INR 200	4700	
Foreign Delegates	US Dollar 300	---	---	
SAARC Countries	US Dollar 150	---	---	
Local UG/PG Students & Research Scholars (Without Accommodation)	INR 1000	---	INR 1000	
Accompanying Persons	INR 4000	---	INR 4000	

- Note :** (a) No Spot Registration Allowed
(b) Before filling the registration form, ensure payment of registration fee (Host Registration Fee by using QR Code and DGSI Head Quarter Fee by using QR Code)
(c) **Registration process can be done by**
(1) Use QR Code through goole lens (or)
(2) Use link through goole lens (or) click on the link



<https://forms.gle/QW2ntLmovPY9JiBy6>

You can also visit the S.V. University website for registration : <https://svuniversity.edu.in/>

- (d) Use QR Code for payment of registration fee for Host and DGSI headquarter fee.

MODE OF PAYMENT FOR REGISTRATION

Bank Account Details for Host fee Payment

A/C Holder : Convener DGSI International Conference
 A/C No : 103211010000069
 IFSC Code : UBIN0810321
 Bank : UNION BANK OF INDIA
 Branch : S.V.U Campus Branch,
 S.V. University, Tirupati



Convener DGSI

Bank Account Details for DGSI HQ fee Payment

A/C Holder : The Deccan Geographical Society of India
 A/C No : 60002473706
 IFSC : MAHB0001313
 Bank : Bank of Maharashtra
 Branch : Vasant Kunj, New Delhi



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NOTE:

- (1) Registration fee is not refundable
- (2) Only PDF Copy of abstract will be shared on **DGSI-Tirupati-2026** WhatsApp Group
- (3) Delegates will be provided shared accommodation in Guest House and Hostels
- (4) **Local U.G. and PG students and Research scholars (Without Accommodation) have to pay Fee INR 1000 for conference kit and certificate**
- (5) Accommodation will not be provided to the local participants
- (6) Registration fee covers Accommodation, Hospitality, kit and Certificate for Non - Local Participants

IMPORTANT DATES

- ◆ Conference Date : 23rd–25th February, 2026
- ◆ Last date of Registration : 31st Jan 2026
- ◆ Last date of Abstract Submission : 31st Jan 2026
- ◆ Last date of Abstract Intimation : 5th Feb 2026
- ◆ Last date for full paper Submission : 10th Feb 2026

CALL FOR ABSTRACT

Authors are requested to submit their original research contributions in the form of an Abstract (not exceeding 400 words), including the author's name, designation, affiliation, email ID, WhatsApp mobile number, Sub-themes and their code numbers and keywords. The Abstract should be submitted by word format on or before **31st January 2026**. The Abstract must be sent as a soft copy (Font:English-Times New Roman) only to the email ID: **dgsi2026geography@gmail.com** **Please note that without payment of the registration fee, the abstract will not be included in the Abstract Volume.** The author(s) will be informed by email about the acceptance of the Abstract by **5th February 2026**. **Conference Language: English**

ABOUT THE UNIVERSITY

Sri Venkateswara University, Tirupati, was established in 1954 on a sprawling campus of 1,000 acres, offering a panoramic and pleasant hill view. The University stands as a testimony to the wisdom and foresight of great visionaries, **Late Sri Tanguturi Prakasam Pantulu**, the then Chief Minister of Andhra Pradesh, and **Late Sri Neelam Sanjeeva Reddy**, who aimed to cater to the educational needs and aspirations of the people of the Rayalaseema region. Over the past seventy years, the University has grown remarkably from strength to stature as a premier institute of higher learning, under the able and committed leadership of successive Vice-Chancellors, starting from **Prof. S. Govindarajulu** to the present **Vice-Chancellor, Prof. Tata Narasinga Rao**. Presently, the University is accredited with **NAAC A+ Grade**.



ABOUT THE DEPARTMENT

The **Department of Geography** was established in **1972** by the eminent geographer **Prof. N.B.K. Reddy**. Since then, it has grown into a full-fledged department of teaching, research and extension. The department is enriched with distinguished faculty and actively engaged in research across various branches of Geography. To date the department has produced **54 Ph.Ds** and published over **500 research papers** in addition completed good number of research projects. The **UGC-SAP-DRS Phase-I** was successfully completed and the department received **BSR funds of Rs. 20 lakhs per year** from **2009-10 to 2011-12**. Additionally, the department has organized a significant number of conferences, including **International and National conferences** so far.



PRESENT FACULTY OF GEOGRAPHY DEPARTMENT

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3. **Dr. Y. Sujatha**

Cell : 9440012707

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ABOUT TIRUPATI

Tirupati is renowned as a temple town and is recognized as one of the spiritual cities in the world. The city is famous for the **Sri Venkateswara Swamy Temple** and several other historical and cultural sites. Tirupati is also a unique educational hub, hosting a diverse range of Central and State universities and institutes, including **IIT Tirupati, IISER Tirupati, National Sanskrit University, Vedic University, SVIMS, S. V. Veterinary University, S.V. Agricultural University, S.V. Medical College, Sri Padmavathi Medical College, Sri Padmavathi Women's University, the National Culinary Institute and the National Atmospheric Research Laboratory (NARL)**. The weather in April is generally pleasant and peaceful, with temperatures ranging from **24°C to 35°C**.



HOW TO REACH THE VENUE

Tirupati city is District Headquarters Tirupati District of Andhra Pradesh in India

By Air : Nearest airports are Tirupati Airport and is 14 KM from the venue, Chennai International Airport, and is 145 KM from Tirupati.

By Rail : Tirupati is well connected from other major cities of India by Rail network

By Road : All major cities of Andhra Pradesh, Hyderabad, Chennai and Bangalore are well connected to Tirupati by buses. Distances to Tirupati from cities: Chennai - 134 KM, Vijayawada - 412 KM, Visakhapatnam - 755 KM, Bangalore - 248 KM, Hyderabad - 556KM.

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THE DECCAN GEOGRAPHICAL SOCIETY INDIA

The Deccan Geographical Society of India was established in 1962. It has been publishing an International Geographical Journal namely, "The Deccan Geographer" since 1962. The journal has an international registration number ISSN-0011-7269. Every year two issues of the journal (June and December) are published and circulated among 1000 life members, 700 libraries in India and 29 countries in the world. The special issues have been published by DGSI on Historical Geography (1992), Index Volume (2000) and Climatology (1997). Besides the Society started a new Journal namely Bhugol-Shastra Sanshodhak in 2006. Besides this Bhugol-Shastra Bhushan National Award, Best Teacher Geography Award, Gyan-Ratna Geo-Technology Award and DGSI Lifetime Achievement Award have been instituted by the society. Two sessions are conducted during conference, namely, Prof. B. Hema Malini Young Geographer Session from 2013 and **Dr. V. Raghavswamy** Panel Discussion Session from 2016. The membership is open to geographers, planners, scientists and allied disciplines.

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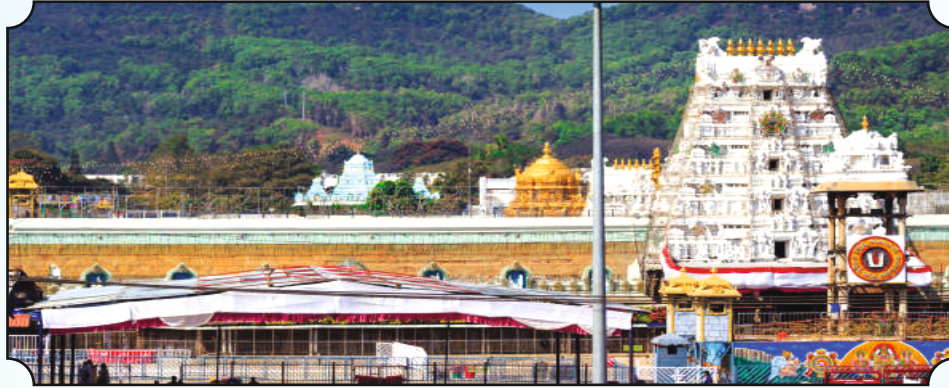
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ABOUT TIRUPATI CITY & SURROUNDING ATTRACTION PLACES

Tirupati is a famous pilgrimage city in Andhra Pradesh India, Globally well known for the sacred **Sri Venkateswara (Balaji) Temple** at Tirumala, which attracts millions of devotees every year. The city is an important religious centre.

Sri Venkateswara (Balaji) Temple at Tirumala



Sri Padmavathi Ammavari Temple

Sri Padmavathi Ammavari Temple is one of the most important and sacred temples associated with Tirupati. It is located at **Tiruchanur**, about **5 km from University**, and is dedicated to **Goddess Padmavathi**, the divine consort of **Lord Venkateswara (Balaji)**.



Govindaraja Swamy Temple

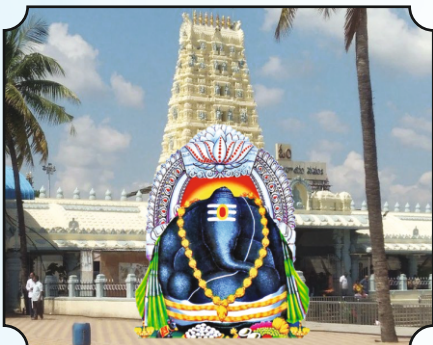
Sri Govindaraja Swamy Temple is an ancient and prominent **Vaishnavite temple** located in the heart of **Tirupati city, Andhra Pradesh**. It is dedicated to **Lord Govindaraja Swamy**, a form of **Lord Vishnu**, and is one of the most important temples associated with the Tirumala Venkateswara Temple.

Srikalahasti temple

Srikalahasti is a famous **temple town and pilgrimage centre** located in **Tirupati district, Andhra Pradesh**, about **36 km from Tirupati**. It is renowned for the **Sri Kalahasteeswara Swamy (Lord Shiva) Temple**, one of the most important Shaivite temples in South India.



Kanipakam Temple



Kanipakam Temple, or Sri Varasidhi Vinayaka Swamy Temple, in Andhra Pradesh's Chittoor district, is a famous Hindu shrine dedicated to Ganesha, known for its Swayambhu (self-manifested) idol that grows in size. The legend involves three disabled brothers who discovered the idol in a well, with blood gushing out when they hit it, and the deity miraculously curing them. Established in the 11th century by Cholas and enhanced by Vijayanagara emperors.