

CoE, Earth Sciences and Atmospheric Sciences

The Centre of Excellence (CoE) in Earth and Atmospheric Sciences at Sri Venkateswara University, Tirupati, established under RUSA Phase II, serves as a multidisciplinary platform for advanced research, technology development, skill enhancement, and field-based applications in Earth, atmospheric, environmental, and geospatial sciences. The Centre brings together research scholars, technical experts, and students to address emerging environmental and societal challenges through innovative, technology-driven approaches. The Centre is equipped with advanced meteorological instruments, real-time environmental monitoring systems, integrated sensor networks, remote sensing technologies, Geographic Information System (GIS) facilities, UAVs/drones. These capabilities enable continuous monitoring and analysis of atmospheric and environmental conditions, including air quality, weather parameters, pollution levels, land characteristics, vegetation health, and changes in the surrounding environment.

A major strength of the Centre is its application of drone-based remote sensing, multispectral imaging, LiDAR technology, and high-resolution geospatial mapping. UAV platforms are used for land-use analysis. Multispectral and other advanced imaging techniques enable the assessment of crop health, vegetation stress, soil and land conditions, and agricultural variability, helping promote data-driven and resource-efficient farming practices. Its work contributes to addressing challenges related to air pollution, climate variability, environmental degradation.

Chief Patron

Prof. Tata Narasinga Rao

Vice-Chancellor,
Sri Venkateswara University
Tirupati

Patron

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Organizing Committee:

Dr. A. Bhuvaneswari Devi, Project Associate - I

G. Sandhya Rani, Project Associate - I

U. Venkata Hemanth, Project Associate - I

D. Viswateja, Laboratory Assistant

G. Rekha, Laboratory Assistant

S. Asra Zainab, Laboratory Assistant

Three-Day WORKSHOP on

ADVANCES IN EARTH AND ATMOSPHERIC OBSERVATIONS THROUGH GEOMATICS

(AEAOTG-2026)

27th, 28th, 29th August, 2026



Organized by
**Centre of
Excellence
Earth Sciences and
Atmospheric
Sciences
RUSA PHASE-II
SRI
VENKATESWAR
A UNIVERSITY,
TIRUPATI, (A.P.)**



Sri Venkateswara University College of Engineering

Sri Venkateswara University (SVU), Tirupati, established in 1954, is a premier Centre of higher learning in Andhra Pradesh, founded to foster excellence in education, research, and knowledge creation. Over the decades, SVU has grown into a respected multidisciplinary university with robust academic programs and flourishing research capabilities. The Sri Venkateswara University College of Engineering (SVUCE) is a leading engineering institution in the region, noted for its rigorous curriculum, industry-aligned training, and sustained research output. SVUCE combines experienced faculty with modern laboratories, specialized research centers, and strong industry linkages to provide students with practical skills and innovation-focused opportunities.

Rashtriya Uchchatar Shiksha Abhiyan (RUSA)

The Rashtriya Uchchatar Shiksha Abhiyan (RUSA), launched by the Government of India in 2013, is a centrally sponsored scheme launched to improve the quality, accessibility, and equity of higher education. It provides strategic funding to eligible state higher educational institutions for academic development, infrastructure, research, innovation, and modernization. RUSA supports the establishment of advanced laboratories, Centre of Excellence Labs, research facilities, and other academic resources. It also promotes better governance, institutional reforms, skill development, and improved teaching and research facilities. The scheme aims to strengthen state universities and colleges and provide students with better educational opportunities. Overall, RUSA plays an important role in strengthening and modernizing India's higher education system. In alignment with

NEP 2020, RUSA has evolved into Pradhan Mantri Uchchatar Shiksha Abhiyan (PM-USA), with greater emphasis on inclusion, multidisciplinary education, research, employability and innovation.

About the Workshop

The three-day workshop on "Advances in Earth and Atmospheric Observation Through Geomatics" brings together scientists, academicians, researchers, industry professionals, technical experts, and students to explore emerging technologies and applications in Earth and atmospheric sciences. The programme focuses on Geomatics, Remote Sensing, GIS, sensors, and modern observation systems for monitoring the water resources, and environmental conditions. Expert lectures from reputed institutions and industry experts, along with technical sessions and interactive discussions, will cover water-quality, air-quality, and weather monitoring, environmental sensing, and observation-data interpretation. Industry experts will also share insights into current technologies, real-world applications, career opportunities, and industry-academia collaboration. The workshop aims to bridge scientific knowledge, advanced technologies, and practical applications, promoting innovation, environmental sustainability, research, and informed decision-making.

Registration Link:

<https://forms.gle/d7b8SVciEkyq9Lih8>

Scan to Register 



Workshop Schedule

Date : 27th-29th August, 2026
Morning Session : 10:00 am to 13:00 pm
Afternoon Session : 02:00 pm to 05:00 pm

Mode (Offline)

Maximum Participants: 75

First come- First Preference

Venue :

Senate Hall, Neelam Sanjeev Reddy Bhavan
Sri Venkateswara University, Tirupati.

Registration Fee: No Registration Fee

Participant Amenities:

- Program Kit
- Participant Certificate
- Working Lunch/Snacks

Who can register?

- UG Students
- PG Students
- Research Scholars
- Faculty members / practicing engineers
- Industry Professionals.

Last date of registration: 26th August, 2026

Address for Correspondence:

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