

Programme Theme

- Basics of Remote Sensing
- GIS Fundamentals
- Open Source GIS tools
- Hands-on in QGIS software
- Hands-on in Google Earth Pro
- Real-world case studies in Geospatial Applications with AI&ML

Who can Apply

Those who pursuing B.E./B.Tech.(Civil Engg./Architectural Engg./Geoinformatics Engg./Agricultural Engg.) or its equivalent

Important Dates

Last Date for registration : 20 Nov 2025

Final Date for Confirmation : 30 Nov 2025

REGISTRATION & ACCOMADATION DETAILS

Registration Fee : Rs. 200/-

Registration Link : <https://shorturl.at/xM5p9>

- Working lunch will be Provided
- Limited accommodation will be provided to outstation participants on first-come, first served basis (10 Nos)
- Payment Link will be shared separately to the selected participation
- PARTICIPANT WILL RECEIVE CERTIFICATE UPON COMPLETION OF WORKSHOP

CHIEF PATRONS

Shri. K.V. Vishnu Raju, Chairman - SVES
Shri . Ravichandran Rajagopal, Vice Chairman - SVES
Shri. K Aditya Vissam, Secretary – SVES
Shri. K Sai Sumant, Joint Secretary - SVES

PATRONS

Dr. G. Srinivasa Rao, Principal, SVECW(A)
Prof. P. Venkata Rama Raju, Vice Principal, SVECW(A)

FACULTY COORDINATORS

Dr. R. Shanmathi Rekha, Assistant Professor, CE
Mr. N. Haripavan, Assistant Professor, CE

CONVENOR

Dr B. Anand

Assistant Professor

Department of Civil Engineering

ORGANIZING CHAIRPERSON

Dr. Pala Gireesh Kumar
Professor & Head
Department of Civil Engineering



OUTREACH TRAINING PROGRAMME ON

Empowering Women in Civil Engineering through Geospatial Engineering Techniques



Date : 12 & 13 - December, 2025
Venue : Department of Civil
Engineering, SVECW (A)

Organized by

Department of Civil Engineering
Shri Vishnu Engineering College for Women (A)
Vishnupur, Bhimavaram - 534202,
West Godavari District
Andhra Pradesh, India

WICE-GEO 2025



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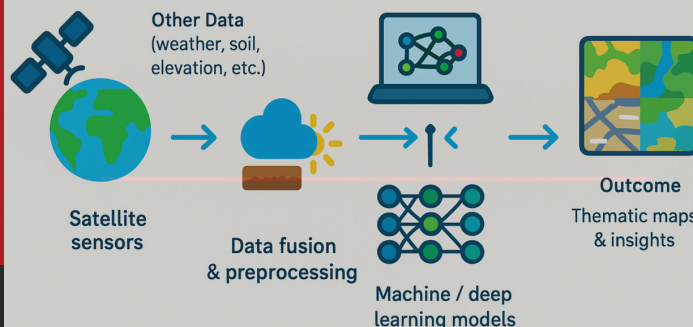


www.svecw.edu.in



Vishnupur, Bhimavaram

WICE-GEO 2025



About SVECW

Shri Vishnu Engineering College for Women (SVECW) is located in Bhimavaram, at the heart of Coastal Andhra. Traditionally recognized as a hub of commercial activity, Bhimavaram has recently emerged as a growing centre for academic excellence. SVECW is continually evolving, with a dynamic infrastructure that keeps pace with technological and academic advancements, effectively supporting a robust curriculum. Beyond the central academic facilities, the institution is home to a wide array of specialized centers and labs, including: Vishnu Technology Business Incubator (TBI); Vishnu Satellite Centre; Science Technology & Innovation Hub (STI Hub); AICTE IDEA Lab; Vehicle Design Lab; Assistive Technology Lab (ATL); TalentSprint – WISE; Texas Instruments Lab; Rural Women Technology Park (WTP). These centers foster innovation, entrepreneurship, and hands-on learning, offering students a platform to explore emerging technologies and real-world applications. SVECW also provides extensive sports infrastructure, promoting physical fitness, personality development, and the cultivation of sportsmanship, leadership, and team spirit among students.

Our Vision and Mission

Vision:

To empower women in the field of civil engineering by imparting knowledge, training, ethical values and meet the needs of the academia and industry."

Mission:

- To provide value-based education for sustainable competitive edge.
- To impart skills required for civil engineering career along with understanding the role and responsibility in fulfilling the fundamental social needs.
- To nurture professionalism through continuously counseled and mentored environment.
- To inculcate the culture of research and consultancy in the students.

About DEPARTMENT

The Department of Civil Engineering at Shri Vishnu Engineering College for Women (Autonomous) was established in the academic year 2009 – 2010 with an initial intake of 60 students and has since consistently demonstrated academic excellence. Accredited by the National Board of Accreditation (NBA) under Tier I category.

The department is committed to empowering women in the field of civil engineering through quality education, hands-on training, and strong ethical values to meet the dynamic demands of academia and industry. The Department has a good strength of experienced faculty specialized in Structural, Transportation, Geotechnical, Water Resources, and Geo-Informatics. The department actively promotes a culture of research and innovation. It has secured multiple funded projects and regularly hosts National Concrete Canoe Championship (hosted in 2023 & 2025), National Symposium - Phoenix (hosted in 2023 & 2025), International conferences, seminars, Outreach Programs, Faculty Development Programs (FDPs), workshops, and guest lectures to enrich both student and faculty learning experiences. The department has established the Centre of Excellence of Sustainable Construction Practices and Materials (CSCPM), Concrete Canoe Lab and Dream House Construction Lab. The department has been honoured with the ICI UltraTech Concrete Day and Construction Excellence Award on three occasions, earning the title of Outstanding Student Chapter of Andhra Pradesh for the years 2020, 2022, 2023 and 2024. Additionally, the department's ICI Student Chapter received the prestigious Best Student Chapter Performance Award at the National Level in both 2022 and 2023. Beyond the curriculum, students are actively encouraged to engage in research, participate in national and international conferences/ workshops/ seminars, and explore emerging technologies ensuring they graduate as capable, forward-thinking civil engineers.

Programme Specific Objectives (PEOs)

- Able to perform the analysis on water, understand the impact and design water treatment systems.
- Ability to use earth sciences in execution of civil engineering projects.



About the Workshop

The field of civil engineering is changing rapidly with the help of modern geospatial technologies. Tools such as Remote Sensing and Geographic Information Systems (GIS) are now widely used in important areas like managing water resources, planning smart cities, improving transportation systems, and studying the impacts of climate change. These technologies make it possible to collect, analyze, and visualize data in ways that were not possible before, leading to smarter and more sustainable decisions in engineering projects. However, even with this progress, there is still a noticeable gap when it comes to the participation of women students and professionals in using advanced geospatial tools. Many women remain underrepresented in this growing area of technology, which limits their opportunities to contribute to cutting-edge solutions in civil engineering. This workshop has been specially designed to bridge that gap by introducing women undergraduate (UG) and postgraduate (PG) students to the basic concepts and hands-on in Remote Sensing and GIS with insights on Artificial Intelligence & Machine Learning

Workshop Outcomes

- Gain essential knowledge in Remote Sensing and GIS fundamentals for civil engineering.
- Build hands-on skills using QGIS and Google Earth Pro for real-world geospatial analysis.
- Explore practical applications of AI & ML in smart cities, water management, climate studies, and transport planning.
- Empower women students to confidently use modern geospatial tools and contribute to technology-driven civil engineering solutions

