ABOUT VIT

VIT was established with the aim of providing quality higher education on par with international standards. It persistently seeks and adopts innovative methods to improve the quality of higher education on a consistent basis. The campus has a cosmopolitan atmosphere with students from all corners of the globe. Experienced and learned teachers are strongly encouraged to nurture the students. The global standards set at VIT in the field of teaching and research spur us on in our relentless pursuit of excellence. In fact, it has become a way of life for us. The highly motivated youngsters on the campus are a constant source of pride. Our Memoranda of Understanding with various international universities are our major strength. They provide for an exchange of students and faculty and encourage joint research projects for the mutual benefit of these universities. Many of our students, who pursue their research projects in foreign universities, bring high quality to their work and esteem to India and have done us proud. With steady steps, we continue our march forward. We look forward to meeting you here at VIT few of the innovations that VIT has introduced.

ABOUT SCE

The School of Civil Engineering (SCE) is a part of VIT since its inception. The School has grown tremendously over years and is now recognized as one of the major engineering schools in VIT. The School faculty members are from elite institutions across the globe. Besides high-quality teaching and instruction at both UG and PG levels, the faculty members of the school are actively involved in executing a number of R&D and consultancy projects from government agencies including DST, ISRO, BRNS and also from many reputed industries.

ABOUT THE PROGRAMME

This workshop aims to explore the integration of advanced data-driven techniques in water resource management. The program aims to provide participants with insights into how machine learning algorithms can be applied to solve complex problems such as rainfall-runoff prediction, flood forecasting, groundwater modeling, and water quality assessment. Experts will share real-world case studies, introduce tools like Python and ML libraries, and conduct hands-on sessions. The workshop is designed to benefit students, researchers, and professionals interested in sustainable and smart water resource solutions.

School of Civil Engineering

Presents

*One day
workshop on*

"Applications of Machine Learning in Water Resources"

05th September 2025

TOPICS TO BE COVERED

The workshop will cover the following:
1. Introduction to Machine Learning in Water Resources.
2. Rainfall-Runoff Modeling using ML Techniques.
3. Flood Forecasting and Early Warning Systems.
4. Groundwater Level and quality Prediction.
5. Case studies , future trends and research opportunities in ML for water resources.

TARGET GROUP INCLUDES

- Industrial personnel/Scientists
- Faculty members
- Independent researchers
- UG/PG students and Research Scholars

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REGISTRATION FEE
External Participants: Rs. 300 + 18% GST
VIT Participants: Free

PAYMENT LINK
The registration fee has to be paid through the following payment link only.
https://events.vit.ac.in/

Last date for registration: 04.09.2025