VIT®
Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

One Day National Workshop
On
Data Analytics in
Real Time Applications

Organized by
School of Computer Science
Engineering & Information
Systems, VIT, Vellore

Date: 18-12-2024
Time: 10:00 AM To 5:00 PM
Venue: SJT G07, VIT, Vellore

VIT — A place to learn; A chance to grow

ABOUT VIT

Vellore Institute of Technology was established under Section 3 of the University Grants Commission (UGC) Act, 1956, and was founded in 1984 as Vellore Engineering College. The Union Ministry of Human Resources Development conferred University status on Vellore Engineering College in 2001. The University is headed by its founder and Chancellor, Dr. G. Viswanathan, a former Parliamentarian and Minister, Tamil Nadu Government. The institution persistently seeks and adopts innovative methods to improve the quality of higher education consistently. 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 diversity of faculty members and their unrelenting focus on teaching and research enable to realise the high requirements of modern-day teaching-learning process. VIT has established and sustains a strong support structure for the successful progression of students. VIT is committed towards its vision of "Transforming life through excellence in education and research" and adopts professional approach in its governance.

Ranking and Accreditation

- ·VIT has emerged as one of the best institutes in India and is aspiring to become a global leader. Quality in teaching-learning, research and innovation make VIT unique.
- ·Ranked among the top 701-800 Universities of the world and one among the top 5-6 Institutions in India (Shanghai ARWU Ranking 2023).
- ·The 10th best University, the 13th best Research institution and the 11th best Engineering Institution in India (NIRF Ranking, Govt. of India 2024)
- ·The Engineering and Technology subject areas of VIT are the 212th best in the World and the 9th best in India as per QS World University Rankings by Subject 2024.

- ·NAAC Accreditation with A++ grade in the 4th cycle·
- Ranked within the top 163 Universities in Asia (QS Asia University Rankings 2024)
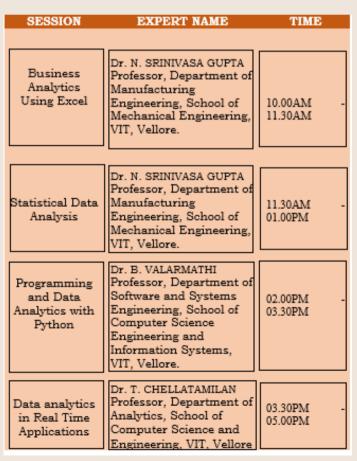
ABOUT SCORE

The School of Computer Science Engineering and Information Systems (SCORE) emphasizes the fields of Information Technology, Software Engineering and Domain Specific Applications to facilitate the evolution of skills in students to help them to attain a higher degree of knowledge, global competency, and excellence, for the betterment of the society. According to the subject positioning by QS, Computer Science and Information systems secured 136 rank in the globe. This school offers Bachelor of Technology, Master of Technology, Bachelor of Science(Computer Science), Bachelor of Computer Applications, Master of Computer Applications and Doctorate of Philosophy programmes. Major areas of research include Artificial Intelligence, Big Data, Cloud Computing, Data Mining, Image Processing, Information and Cyber Security, Intelligence Systems, IoT, Machine Learning and Software Engineering. The school's focus is on holistic learning to help the students to make significant contributions to the industry and to serve society at large. The school has committed faculty members, apart from many visiting professors, and working professionals from the industry and R&D organizations. The faculty members are highly motivated to do ground-breaking research and excel in teaching and learning processes. Students are provided opportunities to apply the acquired knowledge in solving real-world problems and gaining research experience. The placement record of the school is always remarkable. The school has strong linkages with leading IT and research organizations with industry-supported laboratories. A selection of professors of the school are among the Top 2% Scientists in the world according to the study conducted by the Stanford University, USA in 2024.

ABOUT THE WORKSHOP

This One Day National Workshop aims to provide participants with a comprehensive understanding of how data analytics is applied to real-time systems across various industries. The sessions will cover essential topics such as real-time data processing, predictive modelling, machine learning techniques for live data streams, and the integration of analytics into real-time applications. Designed for researchers, developers, and students, the event will offer practical insights, case studies, and hands-on sessions to enhance participants' skills in using data analytics to drive decision-making and optimize real-time operations.

TOPICS TO BE COVERED

SESSION	EXPERT NAME	TIME
Business Analytics Using Excel	Dr. N. SRINIVASA GUPTA Professor, Department of Manufacturing Engineering, School of Mechanical Engineering, VIT, Vellore.	10.00AM - 11.30AM
Statistical Data Analysis	Dr. N. SRINIVASA GUPTA Professor, Department of Manufacturing Engineering, School of Mechanical Engineering, VIT, Vellore.	11.30AM - 01.00PM
Programming and Data Analytics with Python	Dr. B. VALARMATHI Professor, Department of Software and Systems Engineering, School of Computer Science Engineering and Information Systems, VIT, Vellore.	02.00PM - 03.30PM
Data analytics in Real Time Applications	Dr. T. CHELLATAMILAN Professor, Department of Analytics, School of Computer Science and Engineering, VIT, Vellore	03.30PM - 05.00PM

Target audience

Undergraduate Students pursuing degrees in Computer Science, Engineering, Data Science, or related fields, interested in exploring real-time data analytics. Postgraduate Students in Data Science, IT, Engineering, or related disciplines, looking to enhance their skills in real-time data processing and its applications. PhD Candidates focusing on data-driven research, who want to deepen their knowledge of advanced data analytics techniques and real-time system applications.

Registration fee

Rs. 295/- (inclusive of GST)

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CO-PATRONS
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Dr. Sekar Viswanathan, Vice President
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