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. Our Memoranda of Understanding with various international universities are our major strength.

About the School of Electronics Engineering (SENSE):

SENSE at VIT was established for imparting state-of-the-art knowledge in Electronics and Communication Engineering and allied areas. The school has set up laboratories with excellent infrastructure in the areas of Electronics, Communication, VLSI, Embedded, Sensors and Nanotechnology. Faculties are actively involved in R&D activities and are working on research projects funded by government organizations like DRDO, ISRO (RESPOND), and DST.

About the event:

This workshop provides practical exposure to SQL Server Administration and Real-Time Database Management. Participants will learn essential database operations, backup and recovery strategies, performance troubleshooting techniques, and High Availability concepts such as Clustering and Always On Availability Groups. The session focuses on instructor-led learning to help professionals effectively manage, monitor, and resolve real-time production database issues while ensuring reliability and business continuity.

Course Content:

Sessions 1 & 2: 10:00 AM – 1:00 PM

- SQL Server Installation and Instance Configuration
- Server, Database, Login and User Creation
- Table Creation and Management
- Backup and Restore (Full, Differential, Log Backup)
- **Lunch Break:** 1:00 PM – 2:00 PM

Sessions 3 & 4 – 2:00 PM – 5:00 PM

- Locking, Blocking and Deadlocks
- Real-Time Monitoring Techniques
- Performance Troubleshooting and Slowness Analysis
- High Availability and Always-on Concepts

Advisory Committee:

Dr. Jasmine Pemeena Priyadarisini
Professor and Dean,
School of Electronics Engineering (SENSE),
Vellore Institute of Technology, Vellore, India.

Dr. Kannadassan D
Professor and Head,
Department of Communication Engineering, SENSE,
Vellore Institute of Technology, Vellore, India.

Coordinators

Dr. Ashish P
Dr. Lavanya N
Dept of Communication Engineering, SENSE,
Vellore Institute of Technology, Vellore – 632 014.
Contact Numbers: 7708542807/ 9944654395

E-Mail: ashish.p@vit.ac.in , lavanya.n@vit.ac.in

Resource Person

Mr. S. Rajeshkumar,
Lead Consultant,
HCL Technologies,
Chennai

Eligibility: The workshop is targeted towards UG & PG students. Research Scholars & faculty are encouraged to register. E-Certificate will be provided to all attendees.

Registration Fee: Rs.200 (includes GST)

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

One day National Workshop on

Real-Time Database Monitoring and Failover Solutions with Case Studies

28th March, 2026

10:00 AM – 5:00 PM
(ONLINE)

Organized by

School of Electronics Engineering (SENSE)

Vellore Institute of Technology, Vellore

Registration: https://events.vit.ac.in/

This event supports SDG goals 4 and 9.