



VIT®

Vellore Institute of Technology

(Deemed to be University under section 3 of UGC Act, 1956)

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Industry Academia Conclave '25

organized by

**SCHOOL OF COMPUTER SCIENCE
AND ENGINEERING**

12th - 14th December, 2025





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Vellore Institute of Technology

Vellore Institute of Technology 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 spurs us on in our relentless pursuit of excellence. 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. With steady steps, we continue our march forward. We look forward to meeting you here at VIT.





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SCHOOL OF COMPUTER SCIENCE & ENGINEERING

The School of Computer Science and Engineering (SCOPE) at VIT, established in 2009 (with computing education dating back to 1993), comprises over 16,183 students and 304 core faculty members.

The school's mission is to achieve excellence in computing disciplines by producing graduates capable of integrating software and hardware systems, developing large-scale applications, and building organizational computing infrastructure. It aims to become a world-class center of excellence through collaborative approaches and provide cost-effective ICT solutions to meet stakeholder expectations.

With state-of-the-art infrastructure including industry-sponsored labs from IBM, Cisco, Sun Microsystems, Red Hat, and Microsoft, SCOPE operates seven specialized technical departments: Analytics, Computational Intelligence, Database Systems, Software Systems, Information Security, Internet of Things and Quantum AI while regularly organizing seminars, workshops, and conferences in emerging technological areas.





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ViTality'25

The School of Computer Science and Engineering is proud to host the prestigious ViTality'25 : Industry-Academia Conclave as a strategic platform to promote innovation, collaboration, and knowledge sharing between academic institutions and industry experts.

Its primary aim is to align academic curricula with evolving industry demands, promote experiential learning, and catalyse innovation through joint initiatives.

The Key activities include panel discussions, MoU signings, tech showcases, and student-industry dialogues. Outcomes typically include curriculum updates, faculty development, internship opportunities, and research partnerships.



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Day 1: Industry Conferences





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TRACK 1

From Core to Capability: Leveraging Internal Talent for Sustainable Tech Architectures

Mr. R. Bharani, Head of IT Team, Virtusa, Chennai

A visionary IT leader driving global enterprise transformation at Virtusa. Expert in Cloud, Security Modernization, AI-powered operations, and cost optimization, with a proven track record of turning IT into a strategic profit driver.

Mr. Rajnish Dashora, VP Engineering, Realfast, Bengaluru

Engineering leader specializing in AI/ML, Distributed Systems, and scalable product development. Known for structuring complex challenges, building high-performing teams, and driving innovation from McKinsey, Gojek, to Realfast.

Ms. Sujatha Vanganuru, Global Technical Program Manager, Continental Autonomous Mobility, Bengaluru

Expert in ADAS Test & Validation for radars and camera systems with 12+ years at Bosch, Visteon, and KPIT. An ISTQB-certified professional ensuring high-quality automotive system delivery.

Mr. Prateek, Founder, Kshatralabs Private Limited, Bengaluru

Co-founder building AI-powered autonomous aerial interceptor systems for defense. Focused on software-first robotics, swarm intelligence, and cost-efficient next-gen drone solutions.

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TRACK 2

Securing the Unstructured: Cybersecurity Mesh Meets Casual AI

Ms. N. Kaarthika – Associate Software Engineer, Temenos India, Chennai

Certified Ethical Hacker and CSI Linux Investigator skilled in Penetration Testing and Digital Forensics. Works across Azure and REST API security while actively contributing as a public speaker and cybersecurity researcher.

Mr. Nithish Periyasamy – Co-Founder & CTO, Zyphron Technologies, Chennai

Cybersecurity expert and ethical hacker leading global VAPT, auditing, and enterprise security compliance. Drives Zyphron's mission to strengthen organizations against complex application and network vulnerabilities.

Mr. Tanishq Wadhwani – Founder & CEO, Chimère, Indore

Serial entrepreneur who raised \$3M by age 22 to build a next-gen payments technology platform. Specializes in AI, Blockchain, and XR, leading global teams to enable real-time international payment innovation.

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PANEL DISCUSSION

Challenges of Global AI as Disruptive Technology : Building Resilience Eco-Systems for Future Generations

This session analyzes Global AI disruption, focusing on challenges like job displacement, privacy, and governance. We promote ethical AI frameworks, Human-AI collaboration, and building a skilled workforce to foster AI resilience .

Mr. Guru Ramasamy

Technical Manager – Cybersecurity
M/s. Ashley Global Capability Center
Chennai.

Dr. Gururaj P

Lead Cyber Security Engineer
M/s. DXC Technology
Bengaluru.

Mr. Mariyappan Medaiyandi

Global OT Cybersecurity Tendering Specialist
M/s. Schneider Electric
Chennai.

Dr. Kanagasundaram K

Principal Technical Specialist
M/s. Nokia
Bengaluru.

Moderators : Dr. G Prakash & Dr. G N Balaji



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TRACK 3

From Insight to Action: Data Observability and Accelerating Automation

Mr. Thanikachalam M – Chief Quantum AI Architect, Perficient, Bengaluru

Quantum and GenAI innovator with 21+ years of leadership, specializing in Neuro-Symbolic AI and Quantum reasoning. Architects next-gen platforms for Drug Discovery while bridging Mainframes with Hybrid Cloud solutions.

Mr. Selvamurugan S B – Technology Manager, NCompass TechStudio, Chennai

Expert in Big Data, ETL pipelines, and scalable architectures with 5+ years at NCompass. Delivers 2x–5x faster client solutions using Python, AWS Redshift, REST APIs, and high-volume enterprise systems.

Mr. Maaheen Jaiswal – Data Scientist, Google (YouTube), Hyderabad

Full-Stack Data Scientist building large-scale systems to prevent engagement abuse at YouTube. With \$70M+ impact and 40+ global talks, he mentors thousands while delivering data-driven innovations across industries.

Dr. Shoba Rekh – Director, ISAACS, Smartheart Electronics Pvt Ltd, Chennai

Leader in engineering education and curriculum design with experience across VIT and JCE. Expert in Embedded Systems, C++, Matlab, and LabVIEW, dedicated to shaping highly skilled future engineers.

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Day 2 & 3 : Hackathon & Workshops



The Intelligent Factory: Integrating AI for Next-Gen 3D Printing

11th December , 2025

This workshop that explores how artificial intelligence is revolutionizing additive manufacturing by optimizing design, material usage, and real-time process control. Participants will learn about intelligent monitoring, predictive maintenance, and automated quality assurance, supported by hands-on demonstrations of AI-driven 3D printing systems. The session also highlights emerging trends such as generative design and closed-loop fabrication, offering valuable insights for engineers, researchers, and professionals aiming to lead the future of smart manufacturing.

Resource Person :

Dr. N. Sasidharan , Wayland Additive Ltd.,

Dr. A. Arivazhagan , Coventry University

Dr. Danijela Rostohar , Coventry University

Dr. Rajkumar S , VIT Vellore

The program provides valuable insights for engineers, researchers, and professionals aiming to lead the future of smart manufacturing.

The sessions focus on critical, high-impact applications:

- Intelligent Monitoring and Predictive Maintenance.
- Automated Quality Assurance.
- Hands-on Demonstrations of AI-driven 3D printing systems.
- Exploration of emerging trends: Generative Design and Closed-Loop

Participants will gain essential knowledge on integrating AI to streamline fabrication processes and ensure optimal operational excellence.



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Cybersecurity Workshop

Day 2 : 13-Dec-2025

This intensive one-day workshop offers a crucial deep dive into modern cybersecurity defense and practical risk mitigation. Participants gain essential knowledge for securing complex digital assets. Key topics cover network hardening, vulnerability assessment, and incident response protocols. This program is ideal for professionals seeking a comprehensive, foundational overview of critical enterprise security operations.

Resource Person :

Mr . Pradhan Vijayakumar

Managing Director, Zero2infynite , Chennai

Mr. Dhesik Vinayak S R

Sr. Engineer - Cybersecurity , L&T , Chennai

The program includes hands-on training in contemporary threats and offensive/defensive strategies and a lot more :

- Defensive Security practices in Industries
- Hands-on Security Threat analysis using Kali Linux (VMWare)
- Metasploit and Social Engineering Threats
- Mobile-based Threats and counter-measures
- Demonstration of vulnerability exploitations using online tools
- Analysis of Malwares and AI-based Threats



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SCHOOL OF COMPUTER SCIENCE & ENGINEERING

presents

VITALITY'25

GEEKSFORGEEKS HACKATHON



**Secure Intelligence:
Data Defense in Healthcare and Finance**

Highlights: Internship offers, Cash Prizes, Mentorship from Tech Experts
Tracks: Deep Learning, Large Language Models, Gen AI, and Agentic AI



Registration Timeline: 20-Nov-2025 to 28-Nov-2025

Idea Submission: 1-Dec-2025 to 5-Dec-2025

Finals: 13-Dec-2025

CONTACT

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Dr. Mythili T : +91 90428 57554, tmythili@vit.ac.in



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AR/VR Workshop

Day 2 & 3: 13-Dec-2025 to 14-Dec-2025

This intensive two-day technical program establishes core competency in Augmented Reality (AR) and Virtual Reality (VR), utilizing the industry-standard Unity RT3D Platform. The curriculum provides critical proficiency in game design, hands-on C# scripting, and advanced mechanics (lighting, animation, UI/UX). Featuring essential practical demonstrations, the program enables participants to immediately integrate knowledge and effectively bridge the gap between research and industrial practice.

Resource Person :

Mr . Ramesh Kumar

Technical Manager , ARK TSI Bangalore

Day 1 :

- Introduction to Unity
- Unity Interface & Scene Basics
- Components & Transformations
- Scripting with C# (Beginner)
- Prefabs & Asset Management
- Mini Project
- Demonstration of AR Applications

Day 2 :

- UI Basics
- Player Interaction
- Lighting & Cameras
- More Scripting Concepts
- Mini Project 2
- Wrap Up & Export
- Demonstration of VR Applications



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