VIT
Vellore Institute of Technology
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Industry Academia Conclave 2026
NEXAi

SCOPE
SCHOOL OF COMPUTER SCIENCE AND ENGINEERING

European Commission

CONVERGEX 2026
AI SOLUTION SPRINT

From Concepts to Intelligent Solutions

The Next-Generation Ai: Agents, Automation and Intelligent Systems

Intelligence in Action

FOR A BETTER TOMORROW

23 OCTOBER 2026 (Single Day Event) | **VIT VELLORE**

A STUDENT-FOCUSED INITIATIVE
AS A PART OF INDUSTRY-ACADEMIA CONCLAVE

ABOUT THE EVENT

Convergex 2026 – AI Solution Sprint is a student-focused experiential programme designed to provide a structured platform to solve real-world problems using Ai. Selected teams will be given 3-4 weeks to develop functional solutions and demonstrate their prototypes before industry experts and academicians.

KEY HIGHLIGHTS

- Real-World Problem Statements
- 3–4 Weeks Solution Development
- Expert Mentoring & Technical Reviews
- AI Solution Showcase Before Industry Experts

WHO CAN PARTICIPATE?

UG & PG Students | Research Scholars
Interdisciplinary Teams

Venue: VIT Vellore

Team Size: 2 - 4 Students

AI SOLUTION SPRINT TRACKS

Choose a track. Build an impact.

Track 1 – AI AGENTS
Development of intelligent agents capable of reasoning, planning, tool usage and task execution.

Track 2 – INTELLIGENT AUTOMATION
AI-based automation of repetitive, complex or decision-oriented workflows.

Track 3 – INTELLIGENT SYSTEMS
Integrated systems capable of sensing, analysing, predicting and supporting decisions.

Track 4 – AI FOR SOCIETY
AI solutions addressing education, healthcare, agriculture, accessibility, sustainability, safety and other societal needs.

Track 5 – AI FOR INDUSTRY
AI applications for manufacturing, cybersecurity, finance, logistics, retail, energy and other industry sectors.

CONVERGEX PROBLEM STATEMENTS

Select one problem statement and develop your AI-powered solution.

1. AI Agent for Personallized Learning
Develop an intelligent AI agent that can personalize learning experiences, provide adaptive feedback and support students in achieving their academic goals.

2. AI-Based Smart Campus Management
Design an AI-driven solution for intelligent campus management covering areas such as resource optimization, security, energy management and student services.

3. AI-Powered Agricultural Decision Support
Develop an AI-based system for crop monitoring, disease detection, yield prediction and smart decision support for sustainable agriculture.

4. Multi-Agent System for Emergency and Disaster Management
Design a multi-agent AI system for real-time disaster monitoring, resource allocation, coordination and decision support during emergencies.

5. Intelligent Energy Management System
Develop an AI-based solution for efficient energy monitoring, consumption prediction, load balancing and optimal energy utilization in smart environments.

6. Intelligent Healthcare Assistance System
Design an AI-powered system for early disease prediction, patient monitoring, decision support and assisting healthcare professionals.

SINGLE DAY EVENT

23 OCTOBER 2026

- **09:30 – 10:00 AM** — Overview of CONVERGEX AI Solution Sprint
- **10:00 – 10:15 AM** — Briefing on Solution Showcase & Expert Interaction
- **10:15 AM – 01:00 PM** — Expert Interaction with Student Teams – Session I
- **01:00 – 02:00 PM** — Lunch Break
- **02:00 – 04:00 PM** — Expert Interaction with Student Teams – Session II
- **04:00 – 04:30 PM** — Expert Feedback & Recommendations for Further Development
- **04:30 – 05:00 PM** — End Note & Vote of Thanks

GUEST SPEAKER



Prabakaran Jayapalan
Senior Software Engineer at Empower

REGISTRATION DETAILS

Registration Fee
₹350 (Including GST) per person
(2 – 4 members)

Register Now
Scan the QR code or visit the link
https://events.vit.ac.in/

Last date for Registration: 15 Oct 2026

EVENT COORDINATORS

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Real Problems: Real Solutions: A Smarter Tomorrow.

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