



HACKATHON



PRE-CONCLAVE EVENT

SustainAI 2026

Industry-Academia Conclave

"Intelligence for a Sustainable Tomorrow"



10 – 11 OCTOBER 2026
(24 HOURS)



VIT, VELLORE,
TAMIL NADU

GreenOps :

Enterprise AI using
Spring Boot & Microservices

BUILD • INNOVATE • DEPLOY • SUSTAIN

Build intelligent, scalable and sustainable enterprise applications using Spring Boot, Microservices and AI to solve real-world sustainability challenges.



CHALLENGE AREAS



Smart Agriculture



Education & Learning



Climate Intelligence



Cyber Security



Healthcare



Enterprise Sustainability



Smart Cities



Disaster Management



Energy Management



Social Innovation

HACKATHON TIMELINE

- Problem Statement Release 10 OCTOBER 2026
- Registration Opens 10 AUGUST 2026
- Clarification Window Closes 06 OCTOBER 2026
- Hackathon Event (24 Hours) 10-11 OCTOBER 2026
- Project Submission 11 OCTOBER 2026, 10:00 AM
- Final Jury Evaluation & Results 11 OCTOBER 2026, 06:00 PM

HACKATHON WORKFLOW



Problem
Statement
Release



Architecture
Design



Development
Sprint



Testing &
Deployment



Final Jury
Evaluation

TECHNOLOGY STACK



Java 21



Spring
Boot 3.x



Spring
Cloud



Spring
Security



Microservices
Architecture



Microtecture



Docker



PostgreSQL
/ MySQL



GitHub



Maven

Bonus (Recommended) : Spring AI • Redis • Kafka • Kubernetes • AI/ML APIs • React / Angular

WHO CAN PARTICIPATE?

- Open to all UG, PG, Research Scholars, Faculty
- Team Size: Maximum 4 Members per Team
- Interdisciplinary Teams are Encouraged



WHY PARTICIPATE?

- ✓ 24-Hour Coding Challenge
- ✓ Build Working Prototype
- ✓ Networking with Experts
- ✓ Internship & Collaboration Opportunities
- ✓ Awards & Certificates



EVALUATION CRITERIA

- Innovation
- Functionality
- Technical Complexity
- Scalability
- Sustainability Impact
- Presentation Quality

MODE OF PARTICIPATION



INTERNAL CANDIDATES
(VIT Students & Research Scholars)

OFFLINE MODE
@ VIT, Vellore



EXTERNAL CANDIDATES
(Other Institutions / Participants)

OFFLINE MODE
@ VIT, Vellore

WHAT YOU GET?



Certificates



Exposure to Industry Experts



Community & Networking



Opportunity for Incubation
& Further Development

IMPORTANT NOTES

- Bring your own laptop.
- Any form of plagiarism will lead to disqualification.
- Organizers' decision will be final and binding.
- Code of conduct must be followed by all participants.



REGISTRATION AMOUNT

₹300
per Team

*Maximum 4 members per Team

EXTERNAL PARTICIPANTS

₹500
per Team

REGISTER NOW!



REGISTRATION LINK



<https://tinyurl.com/hackathonSustainAI>

Registration is mandatory
for all participants.

CONTACT DETAILS



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VENUE
VIT, VELLORE,
TAMIL NADU



EVENT DATES
10-11 OCTOBER 2026
(24 HOURS)

SustainAI 2026
INNOVATION • COLLABORATION • SUSTAINABILITY





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

**SCHOOL OF COMPUTER
SCIENCE ENGINEERING AND
INFORMATION SYSTEMS**

SustainAI 2026 **Industry-Academia** **Conclave** **GreenOps:** **Enterprise AI** **using Spring** **Boot &** **Microservices**

October 10 & 11, 2026

Participants are required to use the following technologies and tools for application development:

- ❖ **Spring Boot** as the primary framework for developing a robust, MVC-based enterprise application.
- ❖ Develop RESTful APIs using Spring Boot to expose business functionalities and facilitate communication between microservices.
- ❖ **Thymeleaf** for front-end development and server-side view rendering
- ❖ Spring Data JDBC/JPA with any relational database of your choice (PostgreSQL, MySQL, or Oracle) for data persistence
- ❖ Any IDE of your choice
- ❖ Design the application using **Microservices** principle modular service design, RESTful communication, and loose coupling) to the extent applicable within the scope of the problem statement.

The primary objective of this Enterprise Java Hackathon is to enhance participants' skills in designing and developing modern, scalable enterprise web applications using Spring Boot and Microservices.

Through this event, participants will gain hands-on experience in developing Spring Boot MVC applications, RESTful APIs, relational database integration, and microservices-based enterprise solutions.

Who Can Participate? Open to Undergraduate, Postgraduate, Ph.D. students, Research Scholars and faculty from any recognized Indian institution pursuing Engineering, Science, Technology, MCA, M.Tech, or equivalent programmes. Team Size: Individual or teams of up to 4 members (4-member teams are strongly recommended).

Cash prizes will be awarded to the teams securing the First and Second places based on the evaluation criteria prescribed by the organizing committee.

Participation Certificates will be awarded to all registered participants who successfully complete the hackathon.

To sign up for this event, click the registration link <https://forms.gle/Sgyfwqm69c8naWzt7> provided below and login with <https://events.vit.ac.in/> for making the payment. .

Registration Fee: ₹300 (GST included) for VIT Vellore students and ₹500 (GST included) for students from other institutions.

Important Dates:

02/10/2026 – Last Date for Registration

10/10/2026 – Project Registration &
Development

11/10/2026 –Evaluation

Contact:

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