



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

One Day Workshop on AI Powered Student Assistant Full Stack Web Application

20th October 2026

Organized by
School of Computer Science and
Engineering (SCOPE)

Vellore Institute of Technology
Vellore – 632 014



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Dr. Boominathan P.

Head – Software Systems, SCOPE

Coordinators:

Dr. Arun Kumar G

Associate Professor Sr

Department of Software Systems

Dr. Jayasubalakshmi R

Assistant Professor Sr

Department of Software Systems

Contents of the Programme

- Full-Stack Architecture and Setup
- React Frontend Development
- Node.js, Express.js and REST APIs
- AI Integration and Chatbot Development
- Database Integration
- Document-Based AI Assistant
(Introduction to RAG)
- Integration, Testing and Deployment

Target Audience:

Faculty members, Research Scholars, PG and
UG students.

Registration:

The participants are requested to register for the
workshop through the following link.

<https://events.vit.ac.in/>

Registration fee (Including GST):

- Faculty Members /Research Scholars/
UG/PG Students : Rs. 200/-

Last date for registration: 19 – 10 - 2026

Mode: Hybrid

Venue: SJT 507, VIT, Vellore

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 encourage us in our relentless pursuit of excellence. Our Memoranda of Understanding with various international universities are our major strength.

About SCOPE

The school has one of the best infrastructures including domain-specific labs associated with the technical departments. The main aim is to produce computing graduates with potential, to design and develop systems involving the integration of software and hardware devices, employ innovative approaches in programming and problem solving, and create Large Scale Software Systems. With an objective of developing core competence in the subject matter specializations and special interest groups for learning newer technologies.

The School has formed the following technical departments:

- Department of Analytics
- Department of Computational Intelligence
- Department of Database Systems
- Department of Software Systems
- Department of Information Security
- Department of IoT
- Department of Quantum AI

About Workshop

This workshop is designed to equip participants with practical knowledge and industry relevant skills in modern web development, full stack technologies, and AI powered web applications. The program covers web fundamentals, responsive frontend development, backend technologies, REST APIs, databases, and full-stack application development. Participants will gain practical experience in building dynamic and interactive web applications using modern development tools and technologies. Through practical demonstrations and hands-on activities, participants will learn to integrate AI capabilities into full-stack applications and develop intelligent, interactive, and real-world web solutions.

Speaker

Mr. N Yogeshwaran, AI Program Manager, Shriram Credit Company Limited. Hyderabad

Mrs. S Deepa Lakshmi, Application Support Module Lead, TELUS Digital, Bangalore.

Dr. Arun Kumar G
Associate Professor Sr
Department of Software Systems.

Contacts

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