JANSONS INSTITUTE OF TECHNOLOGY

(Autonomous)

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Coimbatore – 641 659, Tamil Nadu, India.

Event Report

Title	:	Workshop on Python full stack development

Date (from & to)	:	February 28th, 2026	**Time** (from & to)	:	10:00 AM to 4:00 PM

Venue (online / offline)	:	CC2
Organised by	:	JIT IEEE Student Branch - 09271
In association with	:	JIT Data analytics club & JIT-IIPC
Student Activity	:	Yes

Speaker Details

Name	:	Mr R S Heyram
Designation	:	Backend developer
Affiliation	:	Zoho Corporation
Topic	:	Workshop on python full stack development

Socials

JIT Website	https://jit.ac.in/events/ieee/web-development-workshop/
Facebook	https://www.facebook.com/share/1BXSsGcc3m/
Linkedin	https://www.linkedin.com/posts/jit-ieee-student-branch_an-ieee-workshop-on-full-stack-development-activity-7433946657605578752--69s?utm_source=share&utm_medium=member_android&rcm=ACoAAAMGDK8BiJOisDXLPQ3zfYaD5qE6udZPOiY
Instagram	https://www.instagram.com/p/DVNT4aDEyDp/?igsh=YmVqMmtvdnFxZTB0
X	https://x.com/JIT_Offl/status/2026879324423630915?s=20

Event Objective

The IEEE Workshop on Python Full Stack Development successfully achieved its intended objectives by enhancing the technical and practical competencies of the participants.Participants gained a clear understanding of full stack development concepts, including frontend, backend, and database integration. They developed knowledge of Python-based frameworks and modern web technologies used in real-world applications.Participants learned how to identify errors, debug code, and resolve integration issues between different components of a web application. This strengthened their analytical and logical thinking abilities.The event encouraged active participation, technical interaction, and collaborative learning among students, thereby strengthening IEEE student community engagement and professional development.

Event Summary

The JIT–IEEE Student Branch, in association with the JIT–IEEE Women in Engineering (WIE) Affinity Group Chapter, successfully organized an "IEEE Membership Benefits Workshop" on 23.02.2026 from 2:00 PM to 4:15 PM at Jansons Institute of Technology.

The workshop aimed to create awareness among students about IEEE membership advantages, professional growth opportunities, technical resources, leadership development, and active participation in IEEE activities at national and international levels.

The IEEE Workshop on Python Full Stack Development was conducted to provide participants with practical knowledge and hands-on experience in building complete web applications using Python-based technologies. The workshop aimed to bridge the gap between theoretical programming concepts and real-world application development.

The session began with an introduction to full stack development, explaining the roles of frontend, backend, and database systems in modern web applications. Participants were introduced to Python as a backend language and explored popular frameworks such as Django and Flask for developing scalable and secure server-side applications.

On the frontend side, the workshop covered fundamental web technologies including HTML, CSS, and JavaScript, along with their integration with Python frameworks. The importance of RESTful APIs and client-server communication was also discussed.

A significant part of the workshop focused on hands-on implementation. Participants developed a basic full stack web application, learning about routing, templates, forms handling, database integration (using SQLite/MySQL), authentication systems, and deployment fundamentals. The instructors emphasized best coding practices, project structure, debugging techniques, and version control using Git.

The frontend module covered essential web technologies:
- HTML – Structure of web pages
- CSS – Styling and layout design
- JavaScript – Interactive behavior and dynamic content

Participants learned how to design responsive user interfaces and connect them to backend services using API calls.

Backend Development with Python

The backend session introduced Python frameworks used in full stack development, including:
- Flask
- Setting up a development environment
- Project structure and architecture
- URL routing
- Views and templates
- Handling forms and user input
- Error handling and debugging

Participants implemented server-side logic and learned how to process client requests efficiently.

By the end of the workshop, participants were able to:
- Understand full stack development architecture.
- Build simple web applications using Python frameworks.
- Integrate frontend interfaces with backend logic.
- Apply best coding practices and debugging techniques.

The IEEE Workshop on Python Full Stack Development was highly informative and skill-oriented. It provided participants with comprehensive exposure to both frontend and backend technologies, along with practical project-building experience. The workshop successfully enhanced technical competence, confidence, and industry readiness among attendees.

Overall, the event served as a valuable platform for students to explore career opportunities in web development and gain hands-on expertise in Python full stack technologies.
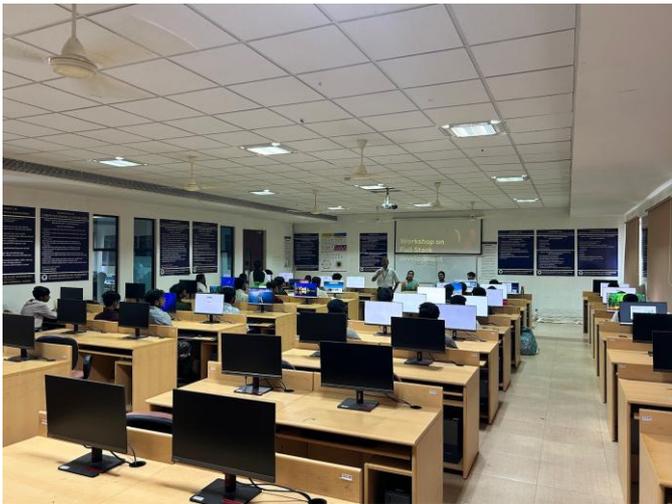
Event Photographs

Flyer

Mr R S Heyram's presentation

Dr S Elangovan inaugurating the workshop

Feedback from participants

Mr R S Heyram distributing the certificates

Mentorship from Mr R S Heyram

Event Outcomes

The IEEE Workshop on Python Full Stack Development successfully achieved its intended objectives by enhancing the technical and practical competencies of the participants.Participants gained a clear understanding of full stack development concepts, including frontend, backend, and database integration. They developed knowledge of Python-based frameworks and modern web technologies used in real-world applications.Participants learned how to identify errors, debug code, and resolve integration issues between different components of a web application. This strengthened their analytical and logical thinking abilities.The event encouraged active participation, technical interaction, and collaborative learning among students, thereby strengthening IEEE student community engagement and professional development..

Event Feedback

How satisfied were you with the event?	Excellent	66.70%
	Very Good	33.30%
	Good	0
	Fair	0
	Bad	0

How relevant and helpful do you think it was for you?	Excellent	70.80%
	Very Good	29.20%
	Good	0
	Fair	0
	Bad	0

How satisfied were you with the session content?	Excellent	62.50%
	Very Good	37.50%
	Good	0
	Fair	0
	Bad	0

Overall feedback for the event?	Excellent	62.50%
	Very Good	37.50%
	Good	0
	Fair	0
	Bad	0

Your feedback on hospitality	Excellent	70.80%
	Very Good	29.20%
	Good	0
	Fair	0
	Bad	0

No. of Participants / Benefices

Total (Participants / Benefices)	Students	Faculty	Students (Outside institution)	Faculty (Outside institution)
32	29	2	11	1

Date of report submission: March 6th, 2026

Student Coordinator	**Faculty Coordinator**	**Principal**
Mr D Hemanth	Dr S Elangovan	Dr V Nagarajan