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AzureDevDay-Cloud Native Tour: “Building Cloud Native Application with Bellerina and Choreo-Workshop” (21st February 2024) in collaboration with Computer Society of India

Overview

The workshop was designed to introduce participants to the concepts and practical skills needed for building cloud-native applications. Leveraging modern tools, Ballerina and Choreo, the event aimed to equip attendees with industry-relevant cloud development techniques.

Objectives

- To familiarize participants with the architecture and development of cloud-native applications.
- To provide hands-on experience using Ballerina, a programming language optimized for cloud services, and Choreo, an integration platform.
- To enhance understanding of cloud-native design principles and deployment strategies.

Workshop Structure

- Date: 21st February 2024.
- Collaborator: Computer Society of India.
- Duration: One full day.
- Format: Combination of expert lectures, live coding sessions, and interactive hands-on labs.

Content and Activities

- Introduction to cloud-native application concepts and microservices architecture.
- Detailed sessions on the Ballerina language features, its syntax, and cloud integration capabilities.



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- Practical demonstrations of building and deploying services using Choreo for seamless cloud automation.
- Exercises on creating scalable, resilient cloud applications following best practices.
- Guidance on how to leverage these tools for enterprise integration and cloud service orchestration.

Outcomes

- Participants gained foundational and practical skills for modern cloud application development.
- Enhanced capability to build efficient, maintainable, and scalable cloud-native solutions.
- Strengthened partnerships with professional societies and increased faculty and student exposure to emerging cloud technologies.

Conclusion

This workshop significantly contributed to the practical skill development of attendees in cloud-native development using Ballerina and Choreo, aligning academic offerings with industry trends and technology innovations.



Students actively participating in the hands-on session on building cloud-native applications using Ballerina and Choreo.



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Resource persons and facilitators addressing participants during the AzureDevDay Cloud Native Tour workshop.



Participants celebrating the successful completion of the AzureDevDay Cloud Native Tour workshop at K.R. Mangalam University.