Date:10-07-2024

Technical Talk on "Functional Programming with Kotlin"

Name of the Program:	Technical talk on "Functional Programming with Kotlin"	Program Dates & Timings:		10.07.2024 10:00AM-12.00PM	
Name & Details of the Resource Person:	**Parithosh Vaidya** Senior Teach Lead, Mobile Development. Code Craft Technologies Pvt Ltd				
Organized by (Clubs/ Dept.)	Department of Information Science and Engineering	In Association with (clubs)		Hieka	
Number of Participants	60	Students	60	Faculty	11
Program Outcome (PO) Mapping	PO1, PO2, PO3, PO4, PO7, PO11				
Coordinators	Mrs.Arpitha Kumari G				
Faculty Participated	Mr. Prabhakara B. K., Mr. John Prakash Veigas, Mr. Rakesh M R, Mrs. Sharanya P S, Mrs. Navya S Rai, Mrs. Divya Mrs. R. Sahaya Shamini, Mrs. Archana Priyadarshini Rao				

About the Talk

A.J.I.E.T has successfully formalized a Memorandum of Understanding (MOU) with Codecraft Company, marking a significant step towards enhancing technical education and industry collaboration. This strategic partnership aims to bridge the gap between academia and the IT industry by providing students with hands-on experience and exposure to cutting-edge technologies. Under the terms of the MOU, Codecraft will offer internships, workshops, and training sessions on contemporary software development practices, agile methodologies, and emerging technologies such as artificial intelligence, machine learning, and blockchain. Additionally, collaborative projects and research initiatives will be launched, allowing students and faculty to work on real-world challenges and innovate solutions in a practical setting. This tie-up not only aligns with the college's mission to deliver industry-relevant education but also

empowers students to gain valuable insights and skills, making them more competitive in the global tech landscape.

About the Program:

AJ INSTITUTE OF ENGINEERING & TECHNOLOGY
A Unit of Laxmi Memorial Education Trust ®
(Approved by AICTE, New Delhi, Affiliated to Visvesvaraya Technological University, Belgavi)
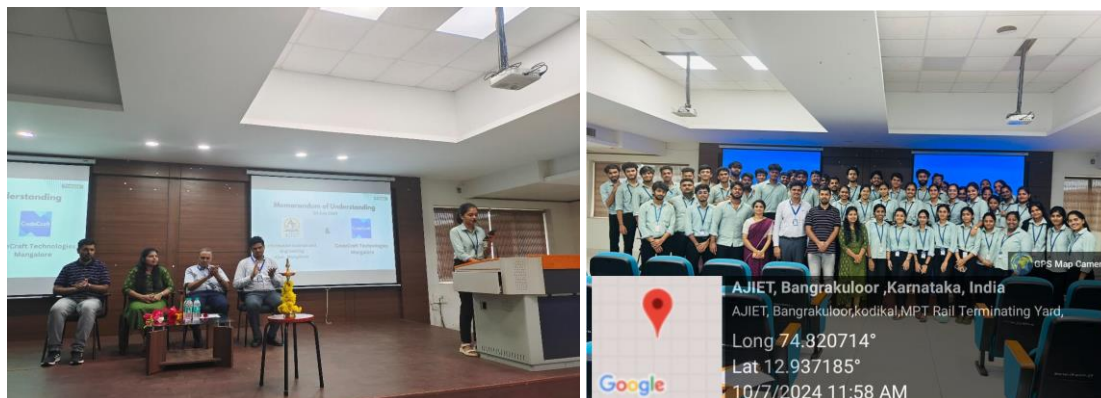AJIET

Objectives:

1. Introduction to Kotlin: Provide a comprehensive overview of Kotlin, covering its history, development, and the reasons for its increasing popularity in the programming community.

2. Language Features: Highlight key features of Kotlin, including its concise syntax, null safety, interoperability with Java, and modern programming constructs that enhance developer productivity and code readability.

3. Use Cases and Applications: Demonstrate practical applications of Kotlin in various domains such as Android development, server-side applications, and cross-platform development using Kotlin Multiplatform.

4. Hands-on Coding: Engage participants in hands-on coding sessions to practice writing Kotlin code, exploring its unique features, and understanding its advantages over other programming languages.

5. Integration with Existing Projects: Explain how to integrate Kotlin with existing Java projects, focusing on interoperability and migration strategies to seamlessly adopt Kotlin in ongoing development efforts.

6. Best Practices and Patterns: Share best practices, design patterns, and coding standards specific to Kotlin to help participants write efficient, maintainable, and scalable code.

7. Community and Resources: Introduce the Kotlin developer community, forums, and resources available for continuous learning and support, encouraging participants to join and contribute to the Kotlin ecosystem.

8. Q&A and Networking: Provide an opportunity for attendees to ask questions, share their experiences, and network with industry professionals and peers to foster collaboration and knowledge exchange.

Outcomes:

● Participants will gain a thorough understanding of Kotlin, its features, and its benefits over other programming languages, enhancing their overall programming knowledge.

● Through hands-on coding sessions, attendees will acquire practical skills in writing and implementing Kotlin code, enabling them to apply these skills in real-world projects.

● participants will be better positioned for career advancement opportunities in the tech industry, particularly in roles requiring Kotlin expertise.

Articulation Matrix:

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Course Outcomes	Program Outcomes											
	1	2	3	4	5	6	7	8	9	10	11	12
1	1	2	2		3						1	
2	2	3	1		2							
3	1		3	2								
Average												

Glimpses of Event:

Coordinator   HOD   Principal