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AD001
NBA Accredited
(CSE, ECE, EEE, MECH, CIVIL)

GUEST LECTURE ON MASTERING SOFTWARE TESTING: A DEEP DIVE INTO TOOLS AND TECHNIQUES

Event No	AD001
Organizing Department	Artificial Intelligence and Data Science
Associate Dept. | NSC	Artificial Intelligence and Data Science
Date	28/02/2024
Time	10:01 AM to 01:01 PM
Event Type	Guest Lecture
Event Level	Dept. Level
Venue	III AD
Total Participants	58
Faculty - Internal	2
Students - Internal	56

Related SDG

4 QUALITY EDUCATION

Resource Persons

SI	Type	Name	Designation	Company	Email	Phone
1	Resource Person	S Navaneeth	Senior QA Engineer	Appviewx pvt Ltd	navnee2j88@gmail.com	xxxxxxxxxx

Involved Staffs

SI	Name	Role
1	Vijayaganth V	Coordinator
2	Saranya N	Co-convenor

Outcome

Enhanced Understanding of Software Testing: Attendees gained a deeper understanding of software testing fundamentals, including SDLC, STLC, types of testing, and advanced techniques such as boundary value analysis and equivalence partitioning.Increased Awareness of Testing Best Practices: Participants became acquainted with best practices in software testing, such as the importance of well-defined test cases, thorough testing coverage, and the utilization of various testing tools and techniques to optimize testing efforts.Practical Application of Knowledge: Attendees were equipped with practical knowledge and insights into mastering software testing tools and techniques, enabling them to apply these learnings in their respective projects and improve the quality of software development within their organizations.

Event Summary

Mr. Navaneeth S, Senior QA Engineer at Appviewx, Coimbatore, delivered an insightful guest lecture titled 'Mastering Software Testing: A Deep Dive into Tools and Techniques' to III year AD students. The lecture began with a comprehensive introduction to software testing, elucidating its critical role in ensuring product quality. He elucidated the Software Development Life Cycle (SDLC) and Software Testing Life Cycle (STLC), highlighting their interdependencies.Navaneeth meticulously elaborated on various types of testing, including functional, non-functional, and automated testing, underscoring their significance in different stages of development. He emphasized the importance of well-defined test cases in ensuring thorough testing coverage and efficient bug detection.Moreover, Navaneeth delved into advanced testing techniques such as boundary value analysis and equivalence partitioning, elucidating their application in designing effective test scenarios and optimizing testing efforts.The lecture concluded with an interactive Q&A session, where attendees had the opportunity to clarify doubts and gain deeper insights into the nuances of software testing. Overall, Navaneeth's expertise and engaging delivery provided attendees with valuable knowledge and practical insights into mastering software testing tools and techniques.
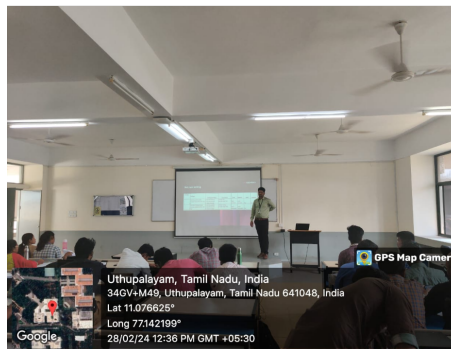
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