

AMBALIKA INSTITUTE OF MANAGEMENT & TECHNOLOGY

Role Play Activity Software Engineering Topic: Software Development Team Simulation Year: CSE III year Section: A

INTRODUCTION -This role-play session is designed to provide participants with a practical understanding of Roles and responsibility of each member of software development team by providing a real-world big data processing scenario. Each participant has taken specific roles like project manager, developer, and tester to collaboratively explore phases of SDLC model like Requirement analysis, Software design: Architectural and low level design, Implementation or coding/ programming, testing, deployment and maintenance.

Participant and role assignments: Firstly discuss the SDLC model, its phases and role and responsibility of each member involved. Then a topic is given "Developing a E-commerce website". Teams of 4-5 students are prepared and assigned roles to each student like:

- **Project Manager:** Responsible for planning, organizing, and managing the project.
- **Team Leader:** Responsible for coordinating a team of developers to deliver high-quality software, ensuring timely project completion and meeting requirements
- Business Analyst: Forecasting, budgeting, and performing financial analysis
- **UX/UI Designer:** Responsible for creating user-friendly interfaces.
- **Developers:** Responsible for coding, testing, and debugging.
- **Testers:** Responsible for identifying and reporting bugs.

Top Performing Groups

First Rank (I) - Group 2

- o Akanksha Mishra (2203630100016)
- o Aditya Anand (2203630100011)
- Abhishek Kumar Singh (2203630100006)
- o Gunjan Kumar (2203630100070)

Each member in this group effectively explained the responsibility of assigned roles. Demonstrated a deep understanding of SDLC phases. Their clear and precise explanations made their presentation stand out.

Second Rank (II) - Group 1

- Ayush Kumar (2203630100048)
- Ayush Dubey (2203630100047)
- Asmit mall (2203630100043)

The teamwork in this group was creditable. They collaborated efficiently and ensured that each member contributed meaningfully to the discussion. Their ability to work as a team made their presentation impactful.

Third Rank (III) - Group 3

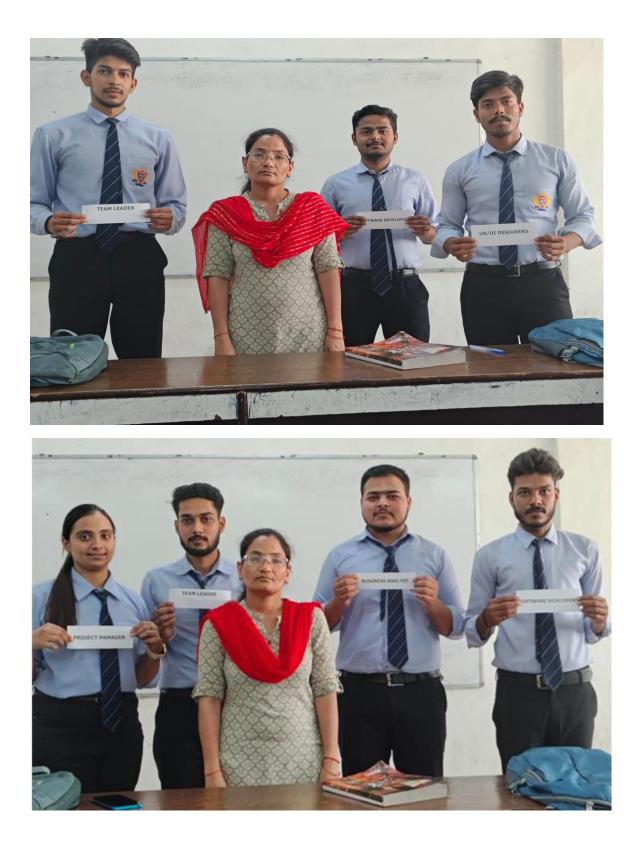
- Ashmit Shrivastava (2203630100016)
- Anant Shrivastava (2203630100023)
- Ayush Bhatt (2203630100046)
- Diwakar Ojha (2203630100064)

This group delivered a well-organized presentation .Their explanation of the topic was clear, and their structured approach enhanced the overall effectiveness of their presentation.

Conclusion

The role-play activity was a great success, allowing students to actively engage with the concepts of SDLC Phases with roles & Responsibility. The students demonstrated commendable efforts, with Group 2 excelling in topic explanation, Group 1 showcasing strong teamwork, and Group 3 delivering a well-structured presentation. Overall, the activity was an effective learning experience for all participants.

GLIMPSES OF ROLE PLAY ACTIVITY









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Role Play

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