



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

- **Akanksha Mishra (2203630100016)**
- **Aditya Anand (2203630100011)**
- **Abhishek Kumar Singh (2203630100006)**
- **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





Role Play

Evaluation Sheet

Course Name:	Software Engineering	Date:	28/03/2025							
Section:	CSE	Year:	III							
Topic Name:	SDLC Phases with roles & responsibility	Instructor Name:	Mrs. Rashmi Neekha							
Sl. No.	Roll No.	Group	Name of Student	Role	Content Accuracy (5)	Presentation Skills (5)	Creativity (5)	Team Collaboration (5)	Total Score	Remarks
1	2203630100042	1	Ayush Kumar	Team leader	5	5	4	5	19	II
2	2203630100042	1	Ayush Dubey	Software Developer	5	5	4	5	19	winners
3	2203630100043	1	Asmit Maji	UI/UX Designer	5	4	4	5	18	2nd
4	2203630100016	2	Pranisha Mishra	Project Manager	5	5	5	5	20	winners
5	2203630100006	2	Abhishek Kumar Singh	Team leader	5	4	5	5	19	
6	2203630100011	2	Aditya Arand	Business Analyst	5	4	5	5	19	
7	2203630100070	2	Gurjorn Kumar	Software Developer	5	4	4	5	18	
8	2203630100040	3	Ashmit Mishra	Team Leader	5	4	5	5	19	winners
9	2203630100041	3	Divakar Singh	Backend dev.	5	3	5	4	17	
10	2203630100023	3	Arun Singh	UI/UX Designer	5	4	5	4	18	winners
11	2203630100046	3	Ayush Bharti	Frontend dev.	5	4	4	4	17	
12	2203630100062	3	Dipak Kumar	QA engineer	5	4	4	4	17	
13	2203630100071	4	Harsh Kumar	Software Developer	4	5	4	4	17	OK
14	2203630100028	4	Aparchit Kumar	UI/UX Designer	4	4	4	5	17	
15	2203630100053	4	Amruty Sharma	Lead dev.	4	5	4	5	18	
16	2203630100036	5	Rajm Raj	Leader	4	4	4	4	15	
17	2203630100057	5	Palash Kumar	Software Developer	4	4	3	4	15	OK
18	2203630100051	5	Ankita Shukla	Business Analyst	4	4	4	4	16	
19	2203630100030	5	Amey Pandey	Software Developer	4	4	4	4	16	
20	2203630100052	6	Azaad Singh	Team leader	4	4	4	4	16	OK
21	2203630100073	6	Kavita Patel	UI/UX Designer	4	5	4	4	17	
22	2203630100015	6	Aditya Gupta Singh	Project manager	4	4	3	4	15	
23	2203630100045	6	Avinash Gaudam	Software Developer	4	4	3	4	15	
24	2203630100051	7	Anchal Sharma	Team leader	4	4	4	5	17	OK

Attendance



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Role Play

Attendance Sheet

Course Name: SOFTWARE ENGINEERING		Date: 28/03/2025	
Branch: CSE		Year:	
Section: A		Instructor Name:	
Topic Name: SDLC Phases with roles & responsibility			
Sr. No	Roll No.	Name of Student	Sign
1	2203630100042	Ayush Dubey	Ayush
2	2203630100043	Amit Mall	Amit
3	2203630100048	Ayush Kumar	Ayush
4	2203630100029	Ankit Kumar	Ankit
5	2203630100055	Chandan Achary	Chandan
6	2203630100033	Anurag Singh	Anurag
7	2203630100036	Aryan Raj	Aryan
8	2203630100071	Harch	Harch
9	2203630100028	Ankit Kumar	Ankit
10	2203630100062	Nipak Kumar	Nipak
11	2203630100046	Ayush Bhatt	Ayush
12	2203630100023	Ashutosh Sinastawa	Ashutosh
13	2203630100053	Balaram Kumar	Balaram
14	2203630100073	HITIK RAJ	HITIK
15	2203630100052	A. Azad Singh	A. Azad
16	2203630100031	Ankit Shukla	Ankit
17	2203630100030	Ankit Pandey	Ankit
18	2203630100015	Aditya Pratapsingh	Aditya
19	2203630100045	Anushka Kumar	Anushka
20	2203630100011	Aditya Arand	Aditya
21	2203630100070	Gurinder Kumar	Gurinder
22	1111111106	Akhilash K. Singh	Akhilash
23	2203630100046	Akanksha Mishra	Akanksha
24	2203630100001	Anchal Sharma	Anchal
25	2203630100028	Akhilash Soni	Akhilash
26	2203630100029	Deepak Kumar Ram	Deepak
27	2203630100018	Akhilash Yadav	Akhilash
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