Department of Software Engineering
Faculty of Computing
Sri Lanka Institute of Information Technology

SE3080 - Software Project Management

Year 3 – Semester 1

2025

Assignment Title	Assignment 2: Final Agile Project Review
Learning outcomes covered	LO2: Mange project meeting scope, time, cost, quality and resource constraints via effective communication management and risk identification. LO3: Illustrate the ability to use tools related to project management, code quality inspection, software testing, and version controlling. LO4: Illustrate the ability to apply project management skills to designing and implementation of a software project.
Assignment Mode	Continuous Assessment Project
Maximum Marks	40
Contribution to the Final Grade	40
Date published	24th September, 2025
Deadline for submissions	12th October, 2025
Mode of Submission	Report, Group Presentation and Individual Viva

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Objective

This assignment continues your group software project from Assignment 1, focusing on:

- Completing **Sprint 2** (continuation) and fully executing **Sprint 3** and **Sprint 4** using Scrum.
- Gaining real-world exposure through an **industry visit and interviews**.
- Demonstrating your **theoretical and practical understanding** of Scrum concepts through an **individual viva**.

Assignment Components and Weighting

Component	Description	Mode	Marks
Component 1	Industry Visit & Interview Report	Group	**8**
Component 2	Group Presentation on Scrum Execution (Sprint 2–4)	Group	**12**
Component 3	Individual Viva (Theory + Practical)	Individual	**20**
Total			**40**

Component 1: Industry Visit & Interview Report (8 marks)

Task:

Each group must visit a real software company and interview (***Note: these interviews should be physical unless you are interviewing a foreign team***):

- A practicing **Scrum Master**
- A practicing **Product Owner**
- At least two **Development Team** members

Deliverable: *A report*

A report should be submitted with following details:

- Company background (brief)
- Interviewee details (name, designation, company, linkedin profile)
- Interview notes: responsibilities, challenges, best practices, tools used
- Check if the company is following standard agile practices or if they have done any customizations to suite their company/projects)
- Key learnings and their applicability to your project
- Interview evidence (audio/video transcript or link)

Please follow Instructions and submission guidelines below

- This is a **group assignment** (4 members per group).
- Refer to the lecture materials and other resources on Software Project Management in Agile Environments and best practices.

- Plagiarism will not be tolerated; ensure you submit original work.
- Late submissions will result in deduction of marks.
- **Report Format**: PDF Document.
- **Naming**: Rename the document with the group ID
- The names and registration numbers of all the members in the group should be included in the cover page of the report.
- **Length**: 6-8 pages.
- **Diagrams**: Include relevant visuals (flowcharts, graphs, etc.).

Component 2: Group Presentation on Scrum Execution (12 marks)

Task:

- Continue from Assignment 1 Outputs
- Plan and Execute Sprint 2 (Continuation), Sprint 3 and Sprint 4
- Conduct full Scrum cycles for each sprint.
- Assign rotating roles: each student should experience being a Scrum Master and a Product Owner at least once. All will be part of the Development Team for all sprints.
- Maintain proper evidence for scrum ceremonies (sprint planning, daily scrum, sprint review and sprint retrospective) – this can be done by maintaining meeting invites, meeting minutes, action items, issue logs, lessons learned, pictures & videos of live meetings, etc.

- Maintain proper evidence for scrum artifacts (product backlog, sprint backlog, increment) – this can be done using version control, periodic system backups, system logs, etc.

Deliverable: A Group Presentation

Present your team's Scrum execution from Sprint 2, Sprint 3, and Sprint 4. Include the following:

- Sprint Goals, Backlogs for each sprint
- Role rotation plan (who acted as Scrum Master, Product Owner, Development Team)
- Evidence of ceremonies
- Evidence of changing artifacts.
- Screenshots from Jira / Trello / GitHub, etc.
- Burndown charts
- Final working demo

Note: **No need to submit a report for this component. Students can do the presentation with slides, agile tools, and application demo**

Component 3: Individual Viva (20 marks)

Each student will face an individual viva testing both **theoretical** and **practical** Scrum knowledge. You may be questioned on:

- Agile values and principles
- Scrum roles, artifacts, ceremonies
- Your own contributions during Sprints 0–4

- Your own contributions in industry visit and interviews
- Challenges you faced and how you handled them
- Tools used for collaboration and progress tracking

Assessment Rubric: Component 1 - Industry Visit & Interview Report

Criteria	LO	Weight	Excellent	Good	Satisfactory	Poor
Depth of Interviews & Insights	LO2	50	Comprehensive interviews covering all Scrum roles with deep insights on responsibilities, practices, challenges, and any customizations done to standard agile practices. (40-50)	Clear interviews with good coverage and insights, minor gaps. (30-39)	Adequate interviews, basic insights, lacks depth. (20-29)	No meaningful interviews or insights. (0-19)
Application to Project	LO4	25	Strong and clear linkage of industry practices to team's Scrum execution; clear actionable points. (20-25)	Mostly clear links to project, some relevance shown. (15-19)	Few links mentioned, mostly generic. (10-14)	Very little or no links made. (0-9)
Tools & Techniques Discussed	LO3	15	Tools and practices well-documented with examples and applicability explained. (12-15)	Tools mentioned clearly with some examples. (9-11)	Tools listed with limited explanation. (6-8)	Very little or no discussion on tools. (0-5)
Presentation & Structure	LO3	10	Very clear, logical structure, visuals included, free from language/format issues. (8-10)	Clear structure, minor language/visual gaps. (6-7)	Acceptable structure, some formatting issues. (4-5)	Very poor or missing. (0-3)

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Assessment Rubric: Component 2 - Group Presentation on Scrum Execution

Criteria	LO	Weight	Excellent	Good	Satisfactory	Poor
Scrum Execution Evidence (ceremonies, artifacts, backlogs)	LO2	50	All Scrum ceremonies well evidenced and artifacts complete and accurate. (40-50)	Most ceremonies and artifacts shown, few gaps. (30-39)	Some ceremonies/artifacts shown, lacks depth. (20-29)	Very little or no evidence presented. (0-19)
Role Rotation & Collaboration	LO2	15	Roles rotated effectively, and all members contributed, strong teamwork. (12-15)	Roles rotated, good teamwork. (9-11)	Limited rotation, moderate teamwork. (6-8)	Very little or no rotation or collaboration. (0-5)
Tool Usage & Tracking	LO3	15	Tools used effectively, clear task tracking and progress shown. (12-15)	Good use of tools, minor gaps. (9-11)	Tools used but inconsistently. (6-8)	Very little or no usage of tools. (0-5)
Quality of Final Product & Presentation	LO4	20	High-quality, fully working features aligned to backlog. (16-20)	Mostly working features with minor issues. (12-15)	Some features working. (8-11)	No demo/increment. (0-7)

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Assessment Rubric: Component 3 – Individual Viva

Criteria	LO	Weight	Excellent	Good	Satisfactory	Poor
Scrum Theory Knowledge	LO2	25	Deep and accurate understanding of Scrum roles, ceremonies, artifacts, and Agile values. (20-25)	Good understanding, minor gaps. (15-19)	Basic understanding, some confusion. (10-14)	No understanding. (0-9)
Practical Contributions & Reflections	LO4	25	Clearly explains personal tasks, outputs, and learnings from Sprints 0 to 4. (20-25)	Explain some gaps. (15-19)	Some vague explanation. (10-14)	Cannot explain. (0-9)
Problem-Solving & Challenges	LO2	20	Strong examples of challenges faced and how they were solved. (16-20)	Clear examples with some detail. (12-15)	Basic examples, not well explained. (8-11)	Very little or no examples given. (0-7)
Tools & Techniques Knowledge	LO3	20	Excellent knowledge and confident use of project tools. (16-20)	Good knowledge. (12-15)	Basic knowledge. (8-11)	Very little or no knowledge shown. (0-7)
Communication Skills	L02	10	Excellent communication with clear projection of ideas (8-10)	Good communication skills (6-7)	Average communication skills (4-5)	Poor communication skills (0-3)