

Capstone Project -Application Implementation

Session No#	Session mode	Session Details	Week-Day	Duration Hrs
1	PM -Sync	Research Proposal Development	1-1	3
2	PM -Sync	Agile Project Implementation	1-2	3
3	PI -Async	Form Agile Team - Identify Team Members Evaluate various research methods and methodologies, both for primary and secondary research. Justify the selection of research methods based on their alignment with the research objectives and adherence to best practices in the field.	1-3 1-4	6
4	PM-F2F	Work Breakdown Structure Conduct and Analyze Research	1-5	3
5	PI -Async	Project Initiation - Define Project Vision / Objective Gather Stakeholder Input Develop Project Charter	2-6 2-7	6
6	PM-F2F	Communicate Research Outcomes	2-8	3
7	PI -Async	Select research methods that take into account cost-efficiency, ethical considerations, and accessibility. Execute primary and secondary research employing methodologically sound techniques. Apply robust analytical tools to dissect research findings Provide a comprehensive evaluation of data collection and analysis methodologies.	2-9	3
8	PI -Async	Develop a concise and persuasive presentation of the research findings, demonstrating how they align with the predefined research objectives to communicate the research findings and insights to stakeholders. Release Planning - Product Backlog Creation Collaborate with Stakeholders Prioritize Backlog Items	2-10	3
9	PM -Sync	Development Phase: Development Iterations (Sprints) Sprint 1 - Develop User Stories Sprint n - Repeat tasks from Sprint for new User Stories	3-11	3
10	PI -Async	Development Iterations (Sprints) Sprint 1 - Conduct Daily Standups - Perform Code Reviews - Conduct Unit Testing - Conduct Sprint Review and Retrospective Sprint n - Repeat tasks from Sprint for new User Stories	3-12 3-13	6

11	PM-F2F	Development Phase – Review Testing Phase Test Planning - Identify Test Cases, Create Test Plans & Scripts	3-14	3
12	PM-F2F	Deployment Phase: Guidance for deployment Deployment Planning - Coordinate Release Schedule - Prepare Deployment Environment	3-15	3
13	PI -Async	Testing and Quality Assurance Test Execution Perform Integration Testing Execute User Acceptance Testing (UAT) Bug Fixing Address Defects Identified in Testing	4-16 4-17	6
14	PM-F2F	Deployment Phase: Review the deployment. Deploy to Production - Rollout Software to Production Environment - Monitor System Performance Maintenance Phase: Review and Feedback of the areas for improvement	4-18	3
15	PI -Async	Post-Implementation Review - Gather Feedback from Users - Evaluate Project Success Continuous Improvement - Identify Areas for Improvement - Implement Process Enhancements Project Closure and submit Project Report	4-19 4-20	6
16	SA-Sync	Summative Assessment (Each learner)	5-21	30 min

EL-E-Learning

FC-Flipped Class

AS-Assignment

PM-Project Mentoring

PI-Project Implementation

SA-Summative Assessment

Sync- Synchronous Session &

Async- Asynchronous Session