



IT314 -Software Engineering Project
LAB 3: TASK-3
Develop sprints from the product backlog
Group-18

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Sprint 1: Login, View Profile, Password Update, Edit Profile

- **Objective:** To enable secure user authentication and profile management.
- **Sprint Details:**
 - Implement the login system with secure authentication and session handling (including "Remember me").
 - Allow users to view their profile, including personal details and academic history.
 - Enable Users to update some sections of their profile and password.
- **Duration:** 2 weeks

Component Type	Description	Count	Weight	FP
EI	<ul style="list-style-type: none">● User inputs login credentials● User inputs new password● User edits profile information	3	4	12
EO	<ul style="list-style-type: none">● Success/Error messages displayed● Display profile data	2	5	10
EQ	<ul style="list-style-type: none">● Request to view profile● Request to change Password● Request to change profile	3	4	12
ILF	<ul style="list-style-type: none">● User authentication data● User profile data	2	10	20
EIF	None	0	7	0

Total FPs: 54

Sprint 2: Course Registration, Fees Payment, View Registered Course, Request Scholarship

- **Objective:** To enable students to manage course registration, payment processing, and scholarship applications.
- **Sprint Details:**
 - Develop a course registration system that validates prerequisites, checks seat availability, and registers students.
 - Implement an online payment system for fees, integrated with a payment gateway.
 - Allow users to view all registered courses and the related details such as schedules and instructors.
 - Implement a scholarship request feature that allows students to apply for scholarships and track the application process.
- **Duration:** 2 weeks

Component Type	Description	Count	Weight	FP
EI	<ul style="list-style-type: none">● User selects courses● User inputs payment● User submits scholarship application	3	4	12
EO	<ul style="list-style-type: none">● Display registered courses	1	5	5
EQ	<ul style="list-style-type: none">● Request to view registered courses● Request to scholarship application	2	4	8
ILF	<ul style="list-style-type: none">● Course data● Payment/fee data● Course registration data● Scholarship application data	4	10	40

EIF	None	0	7	0
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Total FPs: 65

Sprint 3: Technical Support, Chat (Classroom and Private), Notifications/Reminders

- **Objective:** To enhance communication between users and provide efficient technical support and notifications.
- **Sprint Details:**
 - Implement a technical support feature that allows users to submit support requests, track responses, and receive confirmation.
 - Build a chat system with both private and classroom chats, ensuring real-time communication and message history saving.
 - Set up a notification/reminder system for events, deadlines, and important system updates, allowing users to manage their notifications.
- **Duration:** 3 weeks

Component Type	Description	Count	Weight	Count * Weight
EI	<ul style="list-style-type: none"> ● User sends a chat message 	1	4	4
EO	<ul style="list-style-type: none"> ● Notification list displayed 	2	5	10

	<ul style="list-style-type: none"> Other users chat messages 			
EQ	<ul style="list-style-type: none"> User submits support request 	1	4	4
ILF	<ul style="list-style-type: none"> Chat history Notification / Reminders data 	2	10	20
EIF	None	0	7	0

Total FPs : 38

Sprint 4: Attendance, Access Notes, Submit Assignments

- **Objective:** To enable students to manage academic activities such as tracking attendance, accessing notes, and submitting assignments.
- **Sprint Details:**
 - Implement an attendance tracking feature that allows students to view their attendance records.
 - Build a system where students can access and download course-related notes uploaded by instructors.
 - Develop a file upload feature for assignment submissions, allowing students to submit their assignments and receive confirmation.
- **Duration:** 2 weeks

Component Type	Description	Count	Weight	FP
EI	<ul style="list-style-type: none"> Request to view attendance Request to access notes User uploads assignment files 	3	4	12
EO	<ul style="list-style-type: none"> Attendance records displayed 	3	5	15

	<ul style="list-style-type: none"> Notes displayed and downloadable Assignment submission confirmation 			
EQ	None	0	4	0
ILF	<ul style="list-style-type: none"> Attendance data Course notes Assignment data 	3	10	30
EIF	None	0	7	0

Total FPs: 57

Sprint 5: Course Allotment, Report, Access Tests

- **Objective:** To manage course assignments for instructors, generate system reports, and allow students to access tests and results.
- **Sprint Details:**
 - Implement a course allotment system where administrators assign courses to instructors based on availability and requirements.
 - Develop a reporting feature that allows administrators to generate and view various system reports.
 - Allow students to access their test schedules and previous test results, and ensure that test information is displayed accurately.
- **Duration:** 3 weeks

Total FPs: 57

Component Type	Description	Count	Weight	FP
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EI	<ul style="list-style-type: none"> • Admin inputs course allotment data • Admin requests reports • Request to view tests 	3	4	12
EO	<ul style="list-style-type: none"> • Course allotment confirmation • Reports displayed/exported • Test results and upcoming test details 	3	5	15
EQ	None	0	4	0
ILF	<ul style="list-style-type: none"> • Course allotment data • System report data • Test schedule/results data 	3	10	30
EIF	None	0	7	0