
Project Report

for

Onestop Degree Issuance System

Version 1.0 approved

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Product Backlog

Sprint 1: Foundation and Basic Functionality

1. Submit Degree Issuance Form
2. Track Request Status
3. Receive Degree
4. Complaint Form
5. Provide Feedback
6. Check Incoming Requests - Onestop
7. Token Generation
8. Estimated Time
9. View Requests
10. Update Request List

Sprint 2: Departmental Integration and Decision Making

1. Check Incoming Requests - FYP
2. Decision Making - FYP
3. Track Department Performance - FYP
4. Check Outstanding Fee
5. Check Degree Issuance Fee
6. Decision Making - Finance
7. Check Incoming Requests - Finance
8. FYP Decision Status
9. Finance Decision Status
10. Pending Request Reminder

Sprint 3: Request Processing and Performance Tracking

1. Process Request
2. Number of Daily Pending Requests
3. Number of Daily Processed Requests
4. Track Department Performance
5. Track Request Status

Sprint 1: Foundation and Basic Functionality

Sprint Backlog

1. Submit Degree Issuance Form

Story ID: 1

User Story: As a student, I want to be able to submit a degree issuance form so that I can start the degree issuance process.

Tasks:

1. Implement frontend form for degree issuance submission.
2. Create backend API endpoint to receive and process degree issuance form data.
3. Validate submitted form data to ensure completeness and accuracy.
4. Store submitted form data in the database for further processing.

2. Track Request Status

Story ID: 2

User Story: As a student, I want to be able to track my request, so that I can know the progress of my request and how much more time it will take to complete.

Tasks:

1. Design dashboard interface for students to track request status.
2. Develop backend functionality to retrieve and display request status for each student.
3. Implement real-time updates for request status.

3. Receive Degree

Story ID: 3

User Story: As a student, I want to be able to receive my degree so that I can use it for further studies or job interviews.

Tasks:

1. Design and implement interface for students to receive their degrees.
2. Develop backend logic to generate and deliver degrees to students upon request.

4. Complaint Form

Story ID: 4

User Story: As a student, I want to be able to submit a complaint form, so that the mistakes in my degree are resolved before my degree is issued.

Tasks:

1. Create frontend form for students to submit complaints regarding degree issuance.
2. Implement backend API to receive and process complaint submissions.

5. Provide Feedback

Story ID: 5

User Story: As a student, I want to provide feedback about the OneStop Administrative Process, so that the system can be improved.

Tasks:

1. Design feedback form for students to submit comments and suggestions.
2. Develop backend functionality to process and store feedback submissions.

6. Check Incoming Requests - Onestop

Story ID: 13

User Story: As an Onestop admin, I want to get notifications of students applying for degree issuance so that I can attend to and manage incoming requests.

Tasks:

1. Design notification system to alert Onestop admin of incoming degree issuance requests.
2. Develop backend functionality to generate notifications upon submission of degree issuance forms by students.
3. Implement frontend interface for Onestop admin to view and manage incoming requests.
4. Test notification system to ensure timely and accurate alerts for Onestop admin.

7. Token Generation

Story ID: 14

User Story: As an Onestop admin, I want the system to be able to generate a unique token/ticket for each student request so that requests can be easily tracked and managed.

Tasks:

1. Design algorithm for generating unique tokens for degree issuance requests.
2. Develop backend functionality to generate tokens upon submission of degree issuance forms by students.
3. Integrate token generation logic with frontend interface to display tokens to students and Onestop admin.
4. Test token generation process to ensure uniqueness and reliability of generated tokens.

8. Estimated Time

Story ID: 15

User Story: As an Onestop admin, I want the system to notify each student of the estimated time required for degree issuance so that students are informed of the expected timeframe.

Tasks:

1. Design algorithm for calculating estimated time required for degree issuance based on current workload and processing times.
2. Develop backend functionality to calculate and store estimated times for degree issuance requests.
3. Implement frontend interface to display estimated times to students upon submission of degree issuance forms.
4. Test estimated time calculation and display to ensure accuracy and relevance of information.

9. View Requests

Story ID: 16

User Story: As an Onestop admin, I want to be able to view all requests and their current status so that I can respond to any queries from the student side.

Tasks:

1. Design backend database schema to store information about degree issuance requests.
2. Develop backend functionality to retrieve and display all requests along with their current status.
3. Implement frontend interface for Onestop admin to view and filter requests based on status and other parameters.
4. Test request viewing functionality to ensure completeness and accuracy of displayed information.

10. Update Request List

Story ID: 20

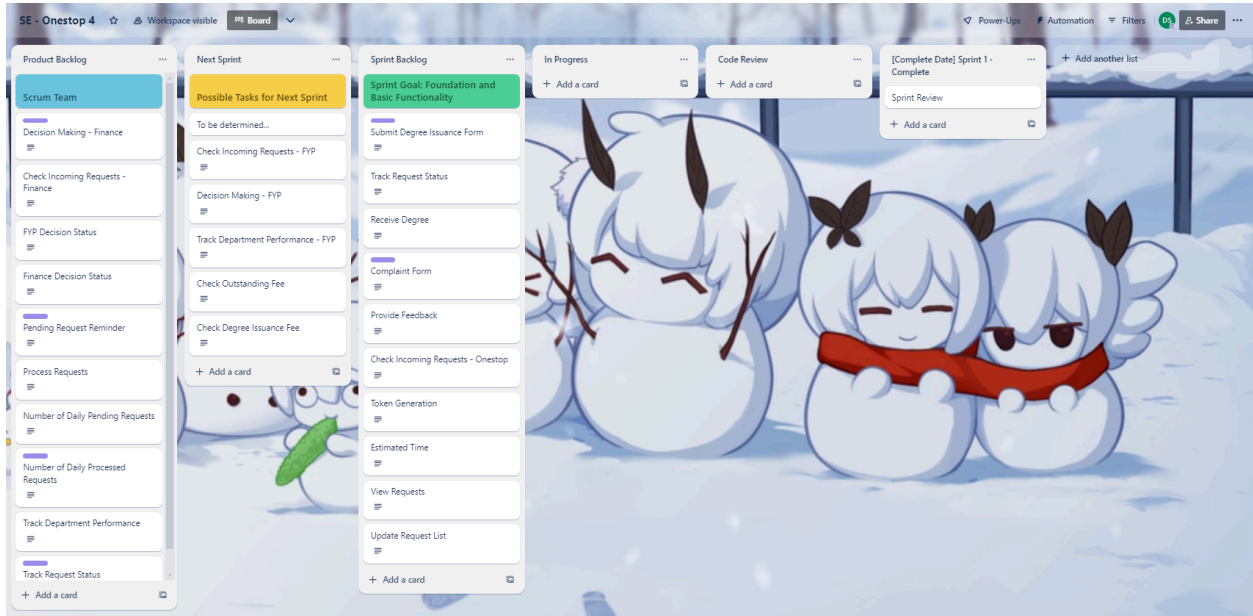
User Story: As an Onestop admin, I want to be able to select and process a student's degree issuance request once all requirements have been met, so that degrees can be issued in a timely and accurate manner.

Tasks:

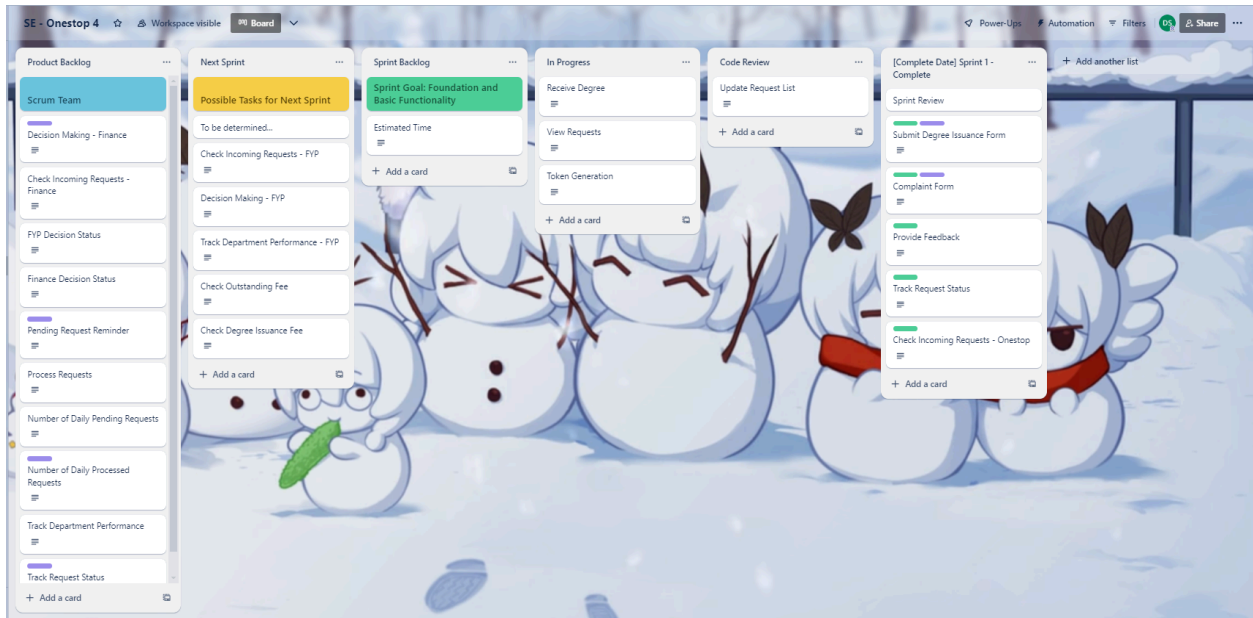
1. Design backend functionality to update request status and processing details upon completion of degree issuance process.
2. Implement frontend interface for Onestop admin to update request list and mark requests as processed.
3. Test request updating functionality to ensure proper handling of completed requests and accurate status updates.

Trello Snapshots

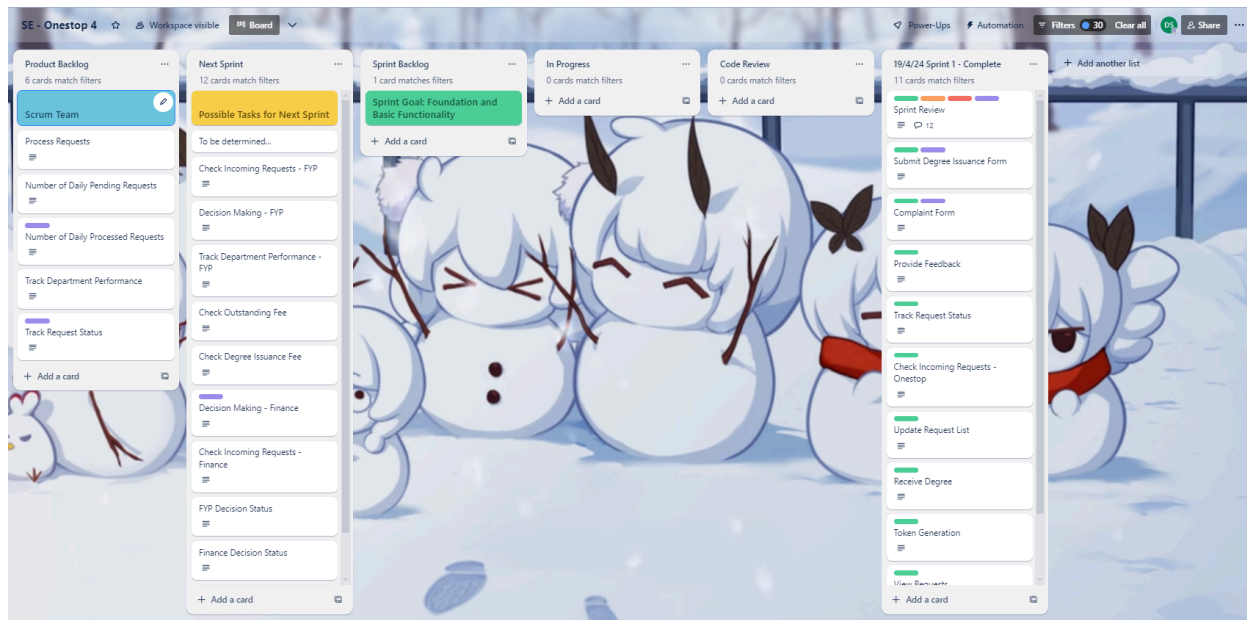
Start



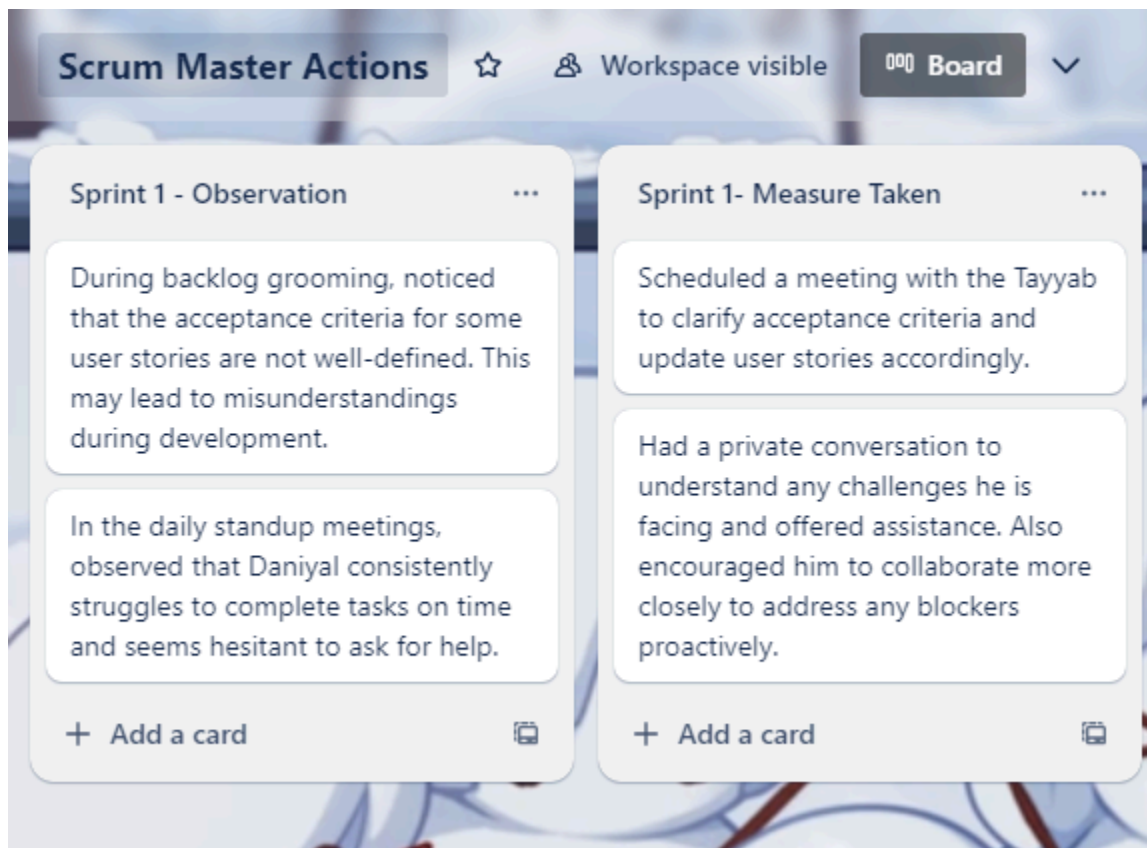
Middle



End

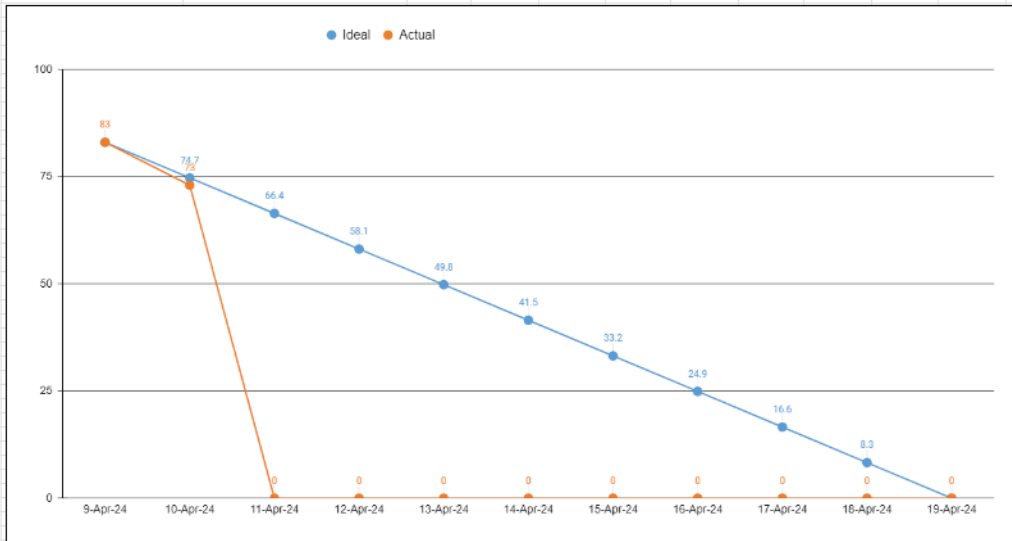


Scrum Master Actions

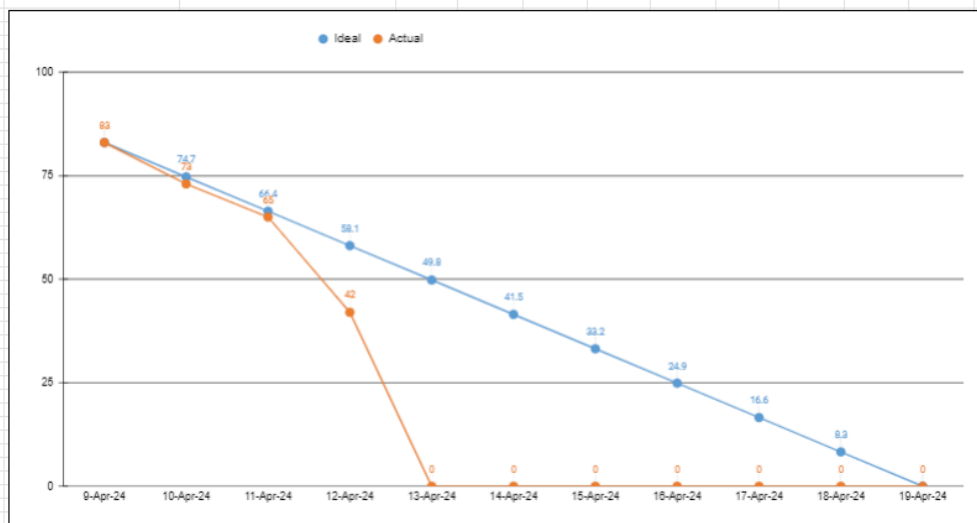


Burndown Chart

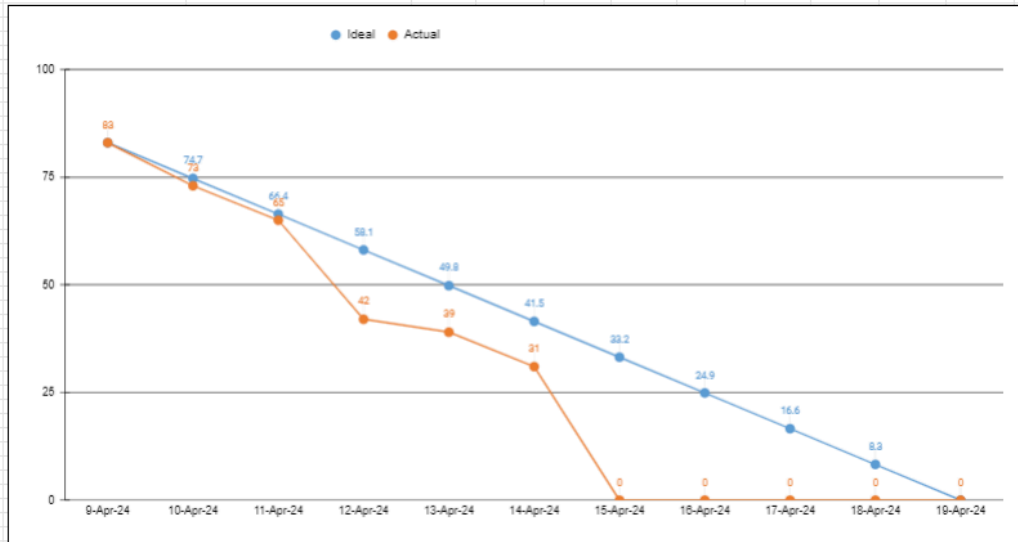
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		9-Apr-24	10-Apr-24	11-Apr-24	12-Apr-24	13-Apr-24	14-Apr-24	15-Apr-24	16-Apr-24	17-Apr-24	18-Apr-24	19-Apr-24
Project	Story											
OneStop Degree Issuance Module	Submit Degree Issuance Form	10	8	0	0	0	0	0	0	0	0	0
OneStop Degree Issuance Module	Track Request Status	15	15	0	0	0	0	0	0	0	0	0
OneStop Degree Issuance Module	Receive Degree	11	11	0	0	0	0	0	0	0	0	0
OneStop Degree Issuance Module	Complaint Form	4	0	0	0	0	0	0	0	0	0	0
OneStop Degree Issuance Module	Provide Feedback	4	0	0	0	0	0	0	0	0	0	0
OneStop Degree Issuance Module	Check Incoming Requests - Onestop	12	12	0	0	0	0	0	0	0	0	0
OneStop Degree Issuance Module	Token Generation	8	8	0	0	0	0	0	0	0	0	0
OneStop Degree Issuance Module	Estimated Time	5	5	0	0	0	0	0	0	0	0	0
OneStop Degree Issuance Module	View Requests	9	9	0	0	0	0	0	0	0	0	0
OneStop Degree Issuance Module	Update Request List	5	5	0	0	0	0	0	0	0	0	0
Ideal - Remaining time working hours		83	74.7	66.4	58.1	49.8	41.5	33.2	24.9	16.6	8.3	0
Actual - Remaining time working hours		83	73	0	0	0	0	0	0	0	0	0



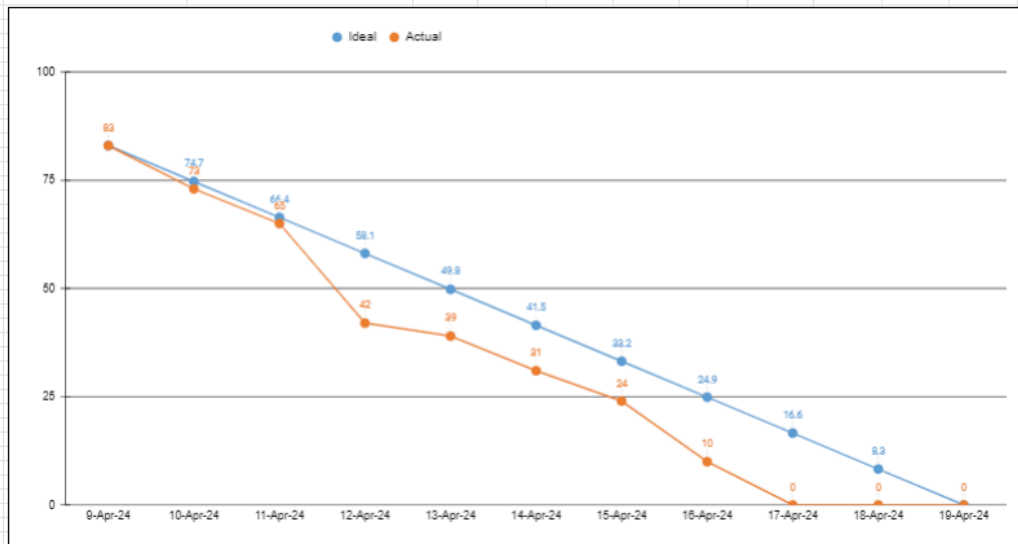
		D	E	F	G	H	I	J	K	L	M	N
		9-Apr-24	10-Apr-24	11-Apr-24	12-Apr-24	13-Apr-24	14-Apr-24	15-Apr-24	16-Apr-24	17-Apr-24	18-Apr-24	19-Apr-24
Project	Story											
OneStop Degree Issuance Module	Submit Degree Issuance Form	10	8	3	0	0	0	0	0	0	0	0
OneStop Degree Issuance Module	Track Request Status	15	15	15	10	10	0	0	0	0	0	0
OneStop Degree Issuance Module	Receive Degree	11	11	11	9	0	0	0	0	0	0	0
OneStop Degree Issuance Module	Complaint Form	4	0	0	0	0	0	0	0	0	0	0
OneStop Degree Issuance Module	Provide Feedback	4	0	0	0	0	0	0	0	0	0	0
OneStop Degree Issuance Module	Check Incoming Requests - Onestop	12	12	10	2	0	0	0	0	0	0	0
OneStop Degree Issuance Module	Token Generation	8	8	8	8	8	0	0	0	0	0	0
OneStop Degree Issuance Module	Estimated Time	5	5	5	5	0	0	0	0	0	0	0
OneStop Degree Issuance Module	View Requests	9	9	8	3	0	0	0	0	0	0	0
OneStop Degree Issuance Module	Update Request List	5	5	5	5	0	0	0	0	0	0	0
Ideal - Remaining time working hours		83	74.7	66.4	58.1	49.8	41.5	33.2	24.9	16.6	8.3	0
Actual - Remaining time working hours		83	73	65	42	0	0	0	0	0	0	0



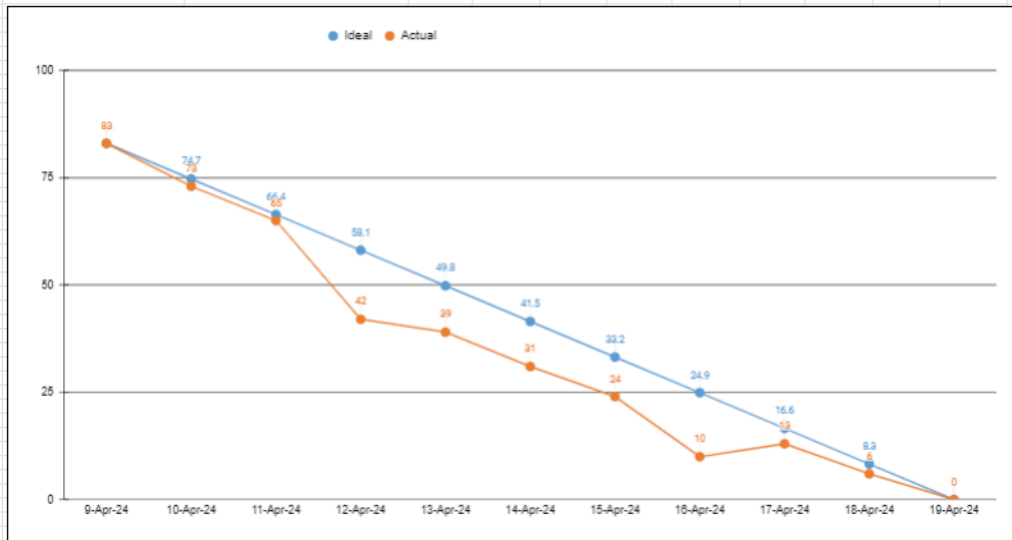
	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1														
2				SPRINT 1 BURNDOWN CHART										
3														
4														
5	Project	Story		9-Apr-24	10-Apr-24	11-Apr-24	12-Apr-24	13-Apr-24	14-Apr-24	15-Apr-24	16-Apr-24	17-Apr-24	18-Apr-24	19-Apr-24
6	OneStop Degree Issuance Module	Submit Degree Issuance Form		10	8	3	0	0	0	0	0	0	0	0
7	OneStop Degree Issuance Module	Track Request Status		15	15	15	10	4	3	0	0	0	0	0
8	OneStop Degree Issuance Module	Receive Degree		11	11	11	9	9	7	0	0	0	0	0
9	OneStop Degree Issuance Module	Complaint Form		4	0	0	0	0	0	0	0	0	0	0
10	OneStop Degree Issuance Module	Provide Feedback		4	0	0	0	0	0	0	0	0	0	0
11	OneStop Degree Issuance Module	Check Incoming Requests - Onestop		12	12	10	2	5	2	0	0	0	0	0
12	OneStop Degree Issuance Module	Token Generation		8	8	8	8	8	8	8	0	0	0	0
13	OneStop Degree Issuance Module	Estimated Time		5	5	5	5	5	5	0	0	0	0	0
14	OneStop Degree Issuance Module	View Requests		9	9	8	3	3	1	0	0	0	0	0
15	OneStop Degree Issuance Module	Update Request List		5	5	5	5	5	5	0	0	0	0	0
16		Ideal - Remaining time working hours		83	74.7	66.4	58.1	49.8	41.5	33.2	24.9	16.6	8.3	0
17		Actual - Remaining time working hours		83	73	65	42	39	31	24	10	0	0	0



	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1														
2				SPRINT 1 BURNDOWN CHART										
3														
4														
5	Project	Story		9-Apr-24	10-Apr-24	11-Apr-24	12-Apr-24	13-Apr-24	14-Apr-24	15-Apr-24	16-Apr-24	17-Apr-24	18-Apr-24	19-Apr-24
6	OneStop Degree Issuance Module	Submit Degree Issuance Form		10	8	3	0	0	0	0	0	0	0	0
7	OneStop Degree Issuance Module	Track Request Status		15	15	15	10	4	3	0	0	0	0	0
8	OneStop Degree Issuance Module	Receive Degree		11	11	11	9	9	7	6	2	0	0	0
9	OneStop Degree Issuance Module	Complaint Form		4	0	0	0	0	0	0	0	0	0	0
10	OneStop Degree Issuance Module	Provide Feedback		4	0	0	0	0	0	0	0	0	0	0
11	OneStop Degree Issuance Module	Check Incoming Requests - Onestop		12	12	10	2	5	2	0	0	0	0	0
12	OneStop Degree Issuance Module	Token Generation		8	8	8	8	8	8	8	3	0	0	0
13	OneStop Degree Issuance Module	Estimated Time		5	5	5	5	5	5	5	5	0	0	0
14	OneStop Degree Issuance Module	View Requests		9	9	8	3	3	1	0	0	0	0	0
15	OneStop Degree Issuance Module	Update Request List		5	5	5	5	5	5	0	0	0	0	0
16		Ideal - Remaining time working hours		83	74.7	66.4	58.1	49.8	41.5	33.2	24.9	16.6	8.3	0
17		Actual - Remaining time working hours		83	73	65	42	39	31	24	10	0	0	0

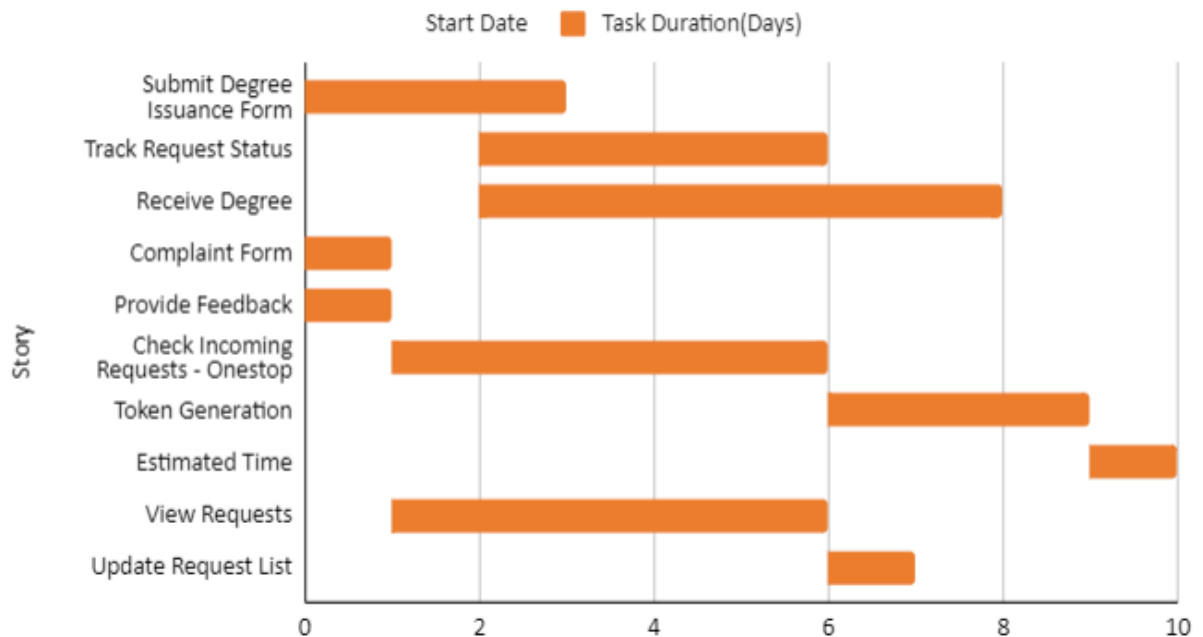


Project	Story	9-Apr-24	10-Apr-24	11-Apr-24	12-Apr-24	13-Apr-24	14-Apr-24	15-Apr-24	16-Apr-24	17-Apr-24	18-Apr-24	19-Apr-24
OneStop Degree Issuance Module	Submit Degree Issuance Form	10	8	3	0	0	0	0	0	0	0	0
OneStop Degree Issuance Module	Track Request Status	15	15	15	10	4	3	0	0	0	0	0
OneStop Degree Issuance Module	Receive Degree	11	11	11	9	9	7	6	2	0	0	0
OneStop Degree Issuance Module	Complaint Form	4	0	0	0	0	0	0	0	0	0	0
OneStop Degree Issuance Module	Provide Feedback	4	0	0	0	0	0	0	0	0	0	0
OneStop Degree Issuance Module	Check Incoming Requests - Onestop	12	12	10	2	5	2	0	0	7	1	0
OneStop Degree Issuance Module	Token Generation	8	8	8	8	8	8	8	3	1	0	0
OneStop Degree Issuance Module	Estimated Time	5	5	5	5	5	5	5	5	5	5	0
OneStop Degree Issuance Module	View Requests	9	9	8	3	3	1	0	0	0	0	0
OneStop Degree Issuance Module	Update Request List	5	5	5	5	5	5	5	0	0	0	0
Ideal - Remaining time working hours		83	74.7	66.4	58.1	49.8	41.5	33.2	24.9	16.6	8.3	0
Actual - Remaining time working hours		83	73	65	42	39	31	24	10	13	6	0



Gantt Chart

Gantt Chart (Sprint 1)



Sprint 2: Departmental Integration and Decision Making

Sprint Backlog

1. Check Incoming Requests - FYP

Story ID: 6

User Story: As the FYP Department Head, I want to receive a notification about the student issuance form, so that I can accept or reject the request.

Tasks:

1. Implement frontend interface for FYP Department Head to view and manage incoming requests.
2. Test system to ensure timely and accurate alerts for FYP Department Head.

2. Decision Making - FYP

Story ID: 7

User Story: As the FYP Department Head, I want to be able to accept, reject or object to the students request so that this decision can be forwarded to the one stop admin.

Tasks:

1. Design interface for FYP Department Head to review and make decisions on degree issuance requests.
2. Develop backend functionality to process decisions made by FYP Department Head.
3. Implement a communication mechanism to relay decisions to Onestop admin.
4. Test decision-making process to ensure accuracy and reliability of decision transmission.

3. Track Department Performance - FYP

Story ID: 8

User Story: As the FYP Department Head, I want to be able to keep track of the time taken by the FYP committee to process requests so that it can be improved.

Tasks:

1. Design dashboard interface for FYP Department Head to monitor processing times and performance metrics.
2. Develop backend functionality to calculate and display processing times for FYP committee.
3. Implement real-time updates for tracking department performance.
4. Test performance tracking system to ensure accuracy and relevance of displayed information.

4. Check Outstanding Fee

Story ID: 9

User Story: As the Finance Department Head, I want to check if all outstanding student fees have been paid, so that I can further process the degree issuance request.

Tasks:

1. Design frontend interface for Finance Department Head to view outstanding student fees.
2. Develop backend functionality to retrieve and display information about outstanding fees.
3. Test fee checking system to ensure completeness and accuracy of displayed information.

5. Check Degree Issuance Fee

Story ID: 10

User Story: As the Finance Department Head, I want to be able to check if the student has paid the degree issuance fee so that I can make a decision about the degree issuance request.

Tasks:

1. Design frontend interface for Finance Department Head to verify degree issuance fee payment.
2. Develop backend functionality to retrieve and validate degree issuance fee payment status.
3. Test fee verification system to ensure accuracy and reliability of payment status.

6. Decision Making - Finance

Story ID: 11

User Story: As the Finance Department Head, I want to be able to provide decisions (accept, reject, or raise objections) for degree issuance requests so that the issuance process can proceed smoothly.

Tasks:

1. Design frontend interface for Finance Department Head to view and respond to degree issuance requests.
2. Develop backend functionality to process decision submissions from Finance Department Head.
3. Integrate decision-making logic with frontend interface to allow Finance Department Head to accept, reject, or object to requests.
4. Test decision-making process to ensure accuracy and reliability of decision submissions.

7. Check Incoming Requests - Finance

Story ID: 12

User Story: As the Finance Department Head, I want to receive a notification about the student issuance form, so that I can accept or reject the request.

Tasks:

1. Implement frontend interface for FinanceDepartment Head to view and manage incoming requests.
2. Test system to ensure timely and accurate alerts for Finance Department Head.

8. FYP Decision Status

Story ID: 17

User Story: As a Onestop admin, I want to receive notifications from the FYP department regarding a student's degree issuance request so that I can inform the student so as to deal with any issue promptly.

Tasks:

1. Design communication channel between FYP department and Onestop admin for sending request notifications.
2. Develop backend functionality to send notifications from FYP department to Onestop admin.
3. Implement frontend interface for Onestop admin to view and respond to FYP decision notifications.
4. Test notification system to ensure accurate and timely delivery of notifications.

9. Finance Decision Status

Story ID: 18

User Story: As a Onestop admin, I want to receive notifications from the Finance department regarding a student's degree issuance request so that I can inform the student so as to deal with any issue promptly.

Tasks:

1. Design communication channel between Finance department and Onestop admin for sending request notifications.
2. Develop backend functionality to send notifications from Finance department to Onestop admin.
3. Implement frontend interface for Onestop admin to view and respond to Finance decision notifications.
4. Test notification system to ensure accurate and timely delivery of notifications.

10. Pending Request Reminder

Story ID: 22

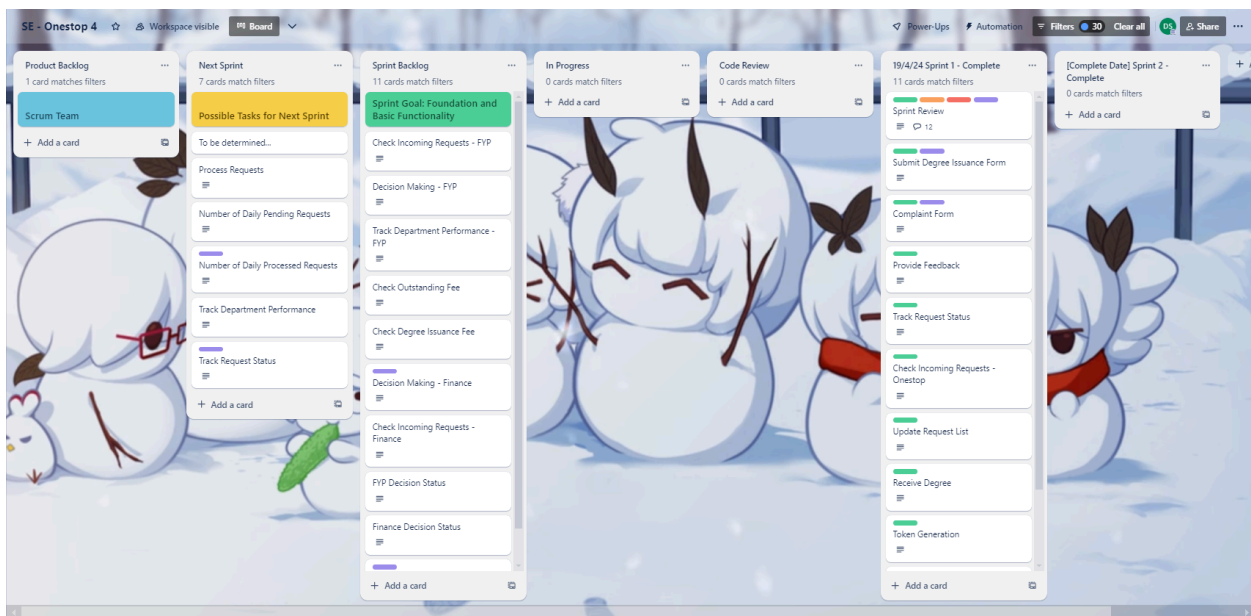
User Story: As a Onestop admin, I want to receive automated reminders for pending requests, so that I can follow up and ensure timely resolution.

Tasks:

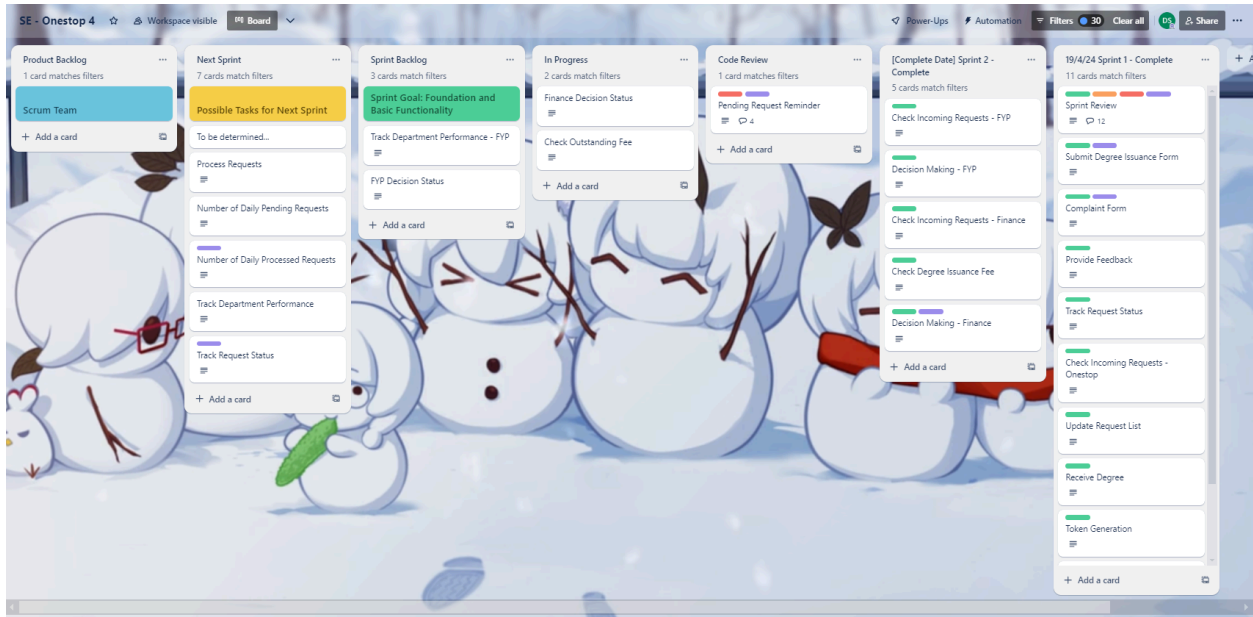
1. Design reminder system to automatically notify Onestop admin of pending degree issuance requests.
2. Develop backend functionality to generate and send reminders for pending requests.
3. Implement frontend interface for Onestop admin to view and respond to pending request reminders.
4. Test reminder system to ensure timely and accurate delivery of reminders.

Trello Snapshots

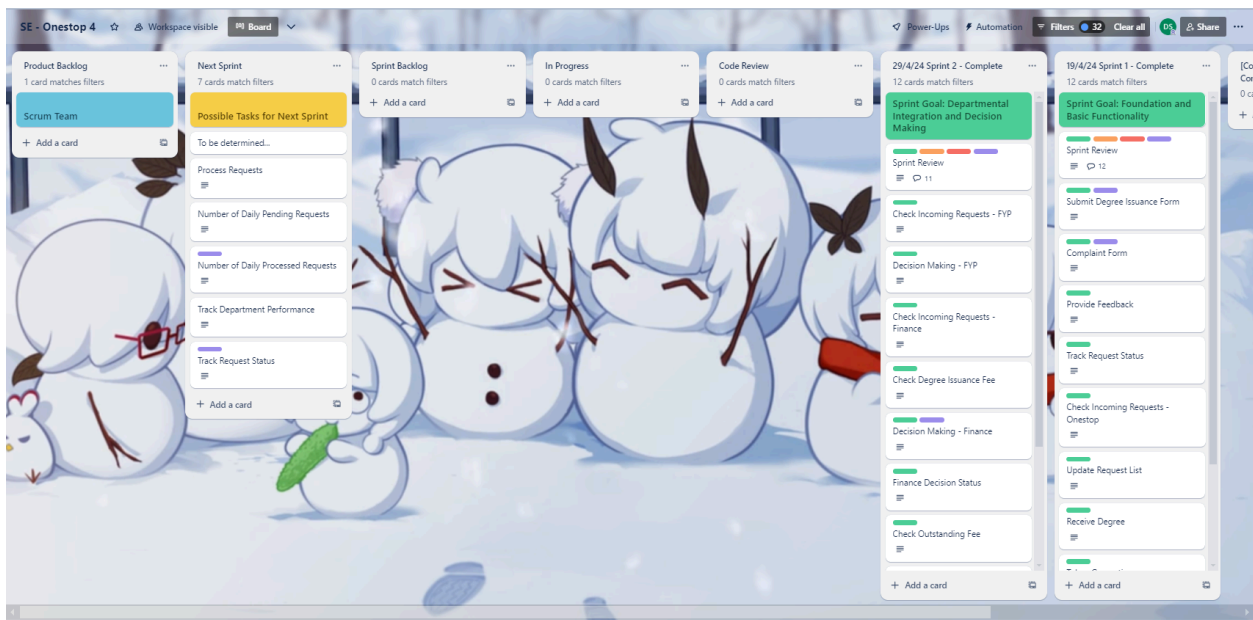
Start



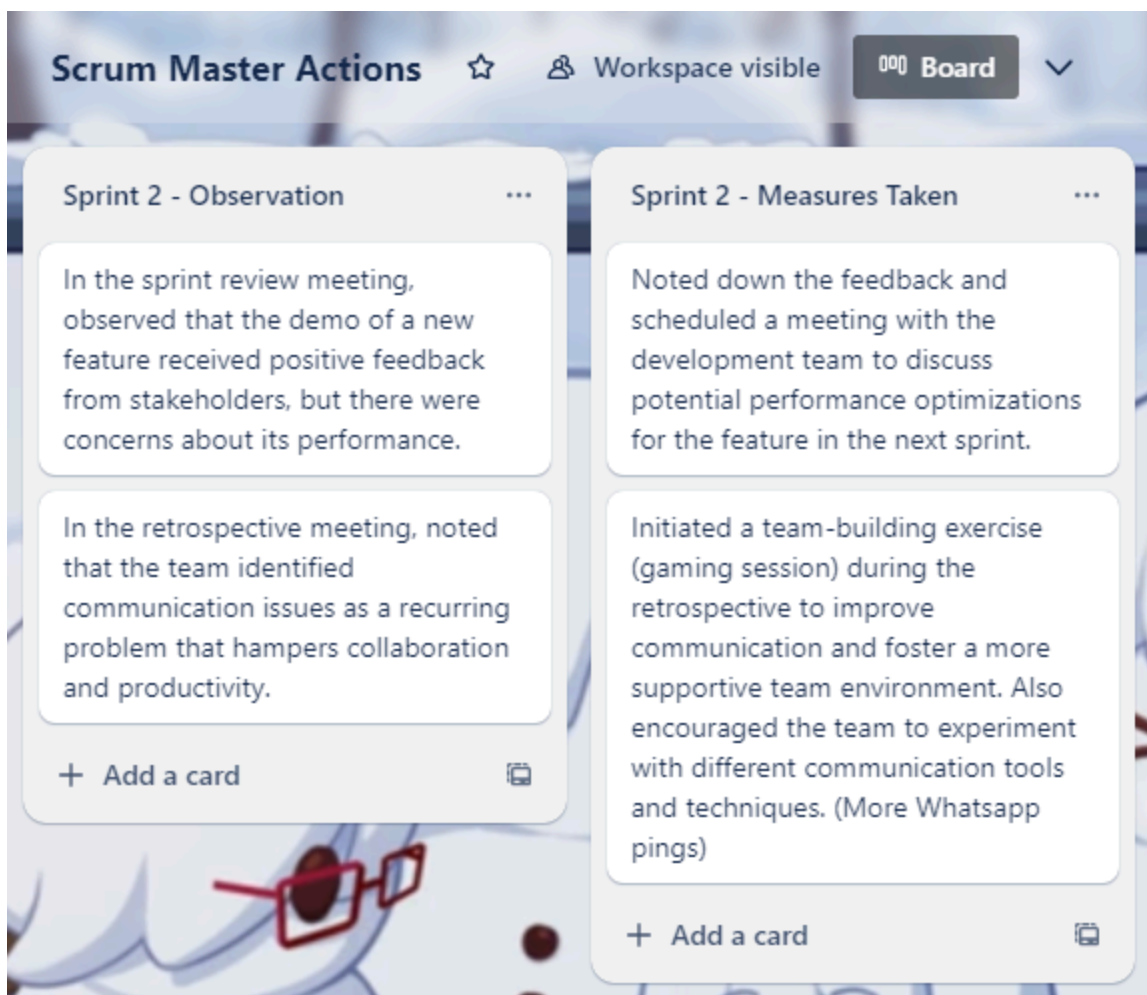
Middle



End

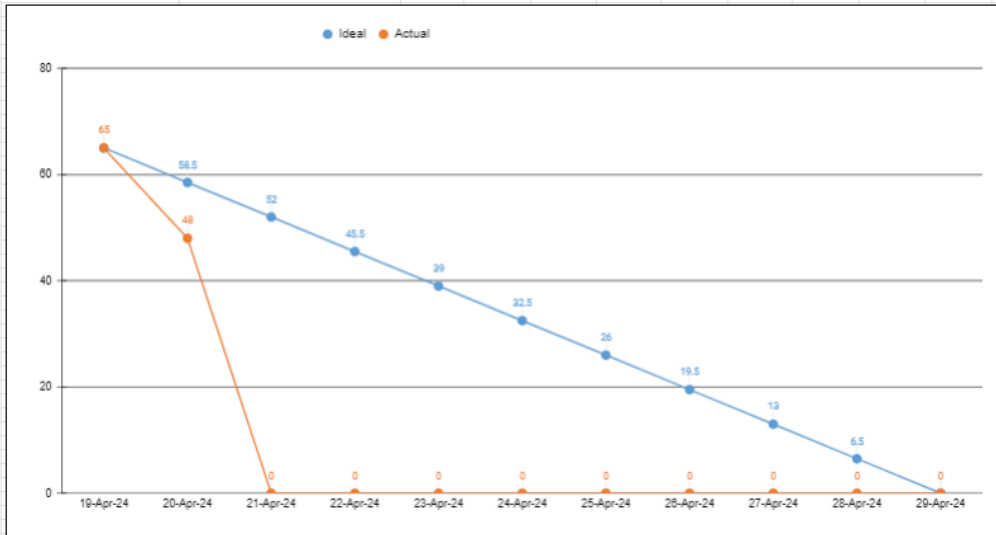


Scrum Master Actions

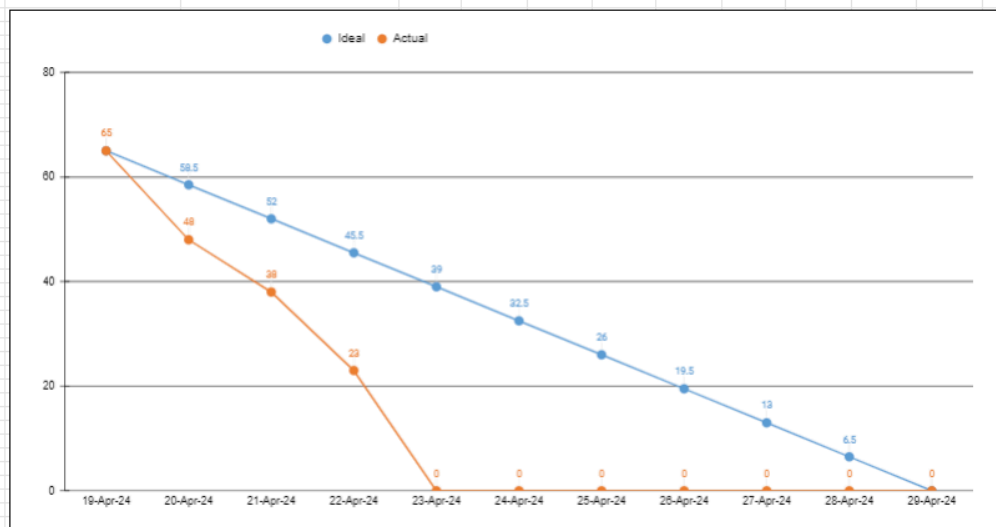


Burndown Chart

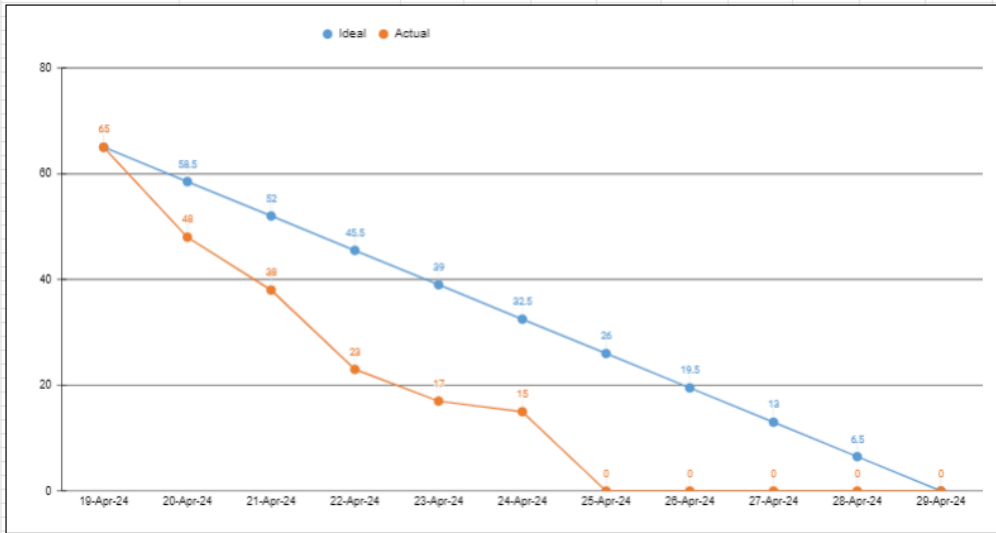
SPRINT 2 BURNDOWN CHART													
Project	Story	19-Apr-24	20-Apr-24	21-Apr-24	22-Apr-24	23-Apr-24	24-Apr-24	25-Apr-24	26-Apr-24	27-Apr-24	28-Apr-24	29-Apr-24	
OneStop Degree Issuance Module	Check Incoming Requests - FYP	10	2	0	0	0	0	0	0	0	0	0	
OneStop Degree Issuance Module	Decision Making - FYP	14	10	0	0	0	0	0	0	0	0	0	
OneStop Degree Issuance Module	Track Department Performance - FYP	4	4	0	0	0	0	0	0	0	0	0	
OneStop Degree Issuance Module	Check Outstanding Fee	4	4	0	0	0	0	0	0	0	0	0	
OneStop Degree Issuance Module	Check Degree Issuance Fee	3	3	0	0	0	0	0	0	0	0	0	
OneStop Degree Issuance Module	Decision Making - Finance	5	5	0	0	0	0	0	0	0	0	0	
OneStop Degree Issuance Module	Check Incoming Requests - Finance	7	2	0	0	0	0	0	0	0	0	0	
OneStop Degree Issuance Module	FYP Decision Status	5	5	0	0	0	0	0	0	0	0	0	
OneStop Degree Issuance Module	Finance Decision Status	3	3	0	0	0	0	0	0	0	0	0	
OneStop Degree Issuance Module	Pending Request Reminder	10	10	0	0	0	0	0	0	0	0	0	
Ideal - Remaining time working hours		65	58.5	52	45.5	39	32.5	26	19.5	13	6.5	0	
Actual - Remaining time working hours		65	48	0	0	0	0	0	0	0	0	0	



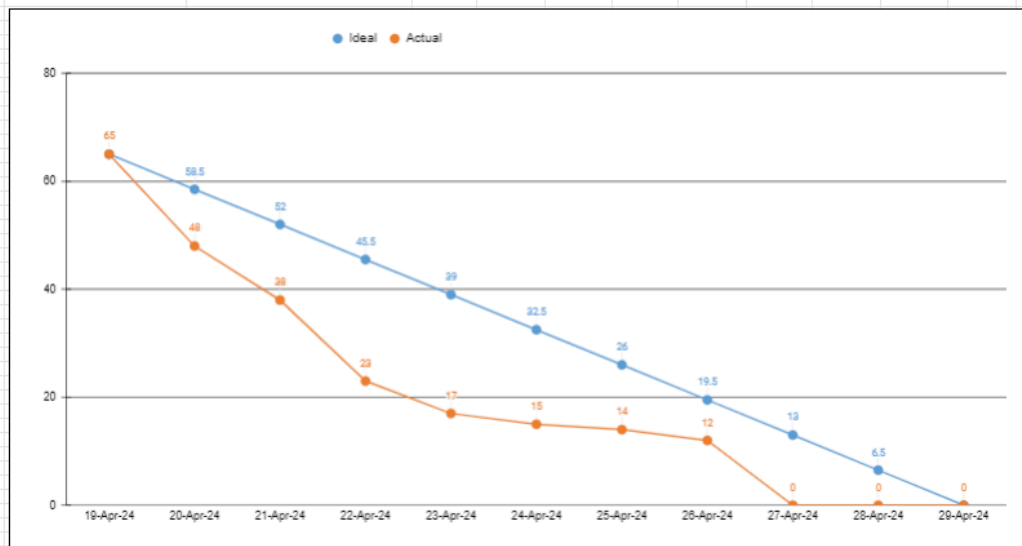
SPRINT 2 BURNDOWN CHART													
Project	Story	19-Apr-24	20-Apr-24	21-Apr-24	22-Apr-24	23-Apr-24	24-Apr-24	25-Apr-24	26-Apr-24	27-Apr-24	28-Apr-24	29-Apr-24	
OneStop Degree Issuance Module	Check Incoming Requests - FYP	10	2	3	0	0	0	0	0	0	0	0	
OneStop Degree Issuance Module	Decision Making - FYP	14	10	1	5	0	0	0	0	0	0	0	
OneStop Degree Issuance Module	Track Department Performance - FYP	4	4	4	4	0	0	0	0	0	0	0	
OneStop Degree Issuance Module	Check Outstanding Fee	4	4	10	4	0	0	0	0	0	0	0	
OneStop Degree Issuance Module	Check Degree Issuance Fee	3	3	3	0	0	0	0	0	0	0	0	
OneStop Degree Issuance Module	Decision Making - Finance	5	5	5	0	0	0	0	0	0	0	0	
OneStop Degree Issuance Module	Check Incoming Requests - Finance	7	2	0	0	0	0	0	0	0	0	0	
OneStop Degree Issuance Module	FYP Decision Status	5	5	5	5	0	0	0	0	0	0	0	
OneStop Degree Issuance Module	Finance Decision Status	3	3	3	3	0	0	0	0	0	0	0	
OneStop Degree Issuance Module	Pending Request Reminder	10	10	4	2	0	0	0	0	0	0	0	
Ideal - Remaining time working hours		65	58.5	52	45.5	39	32.5	26	19.5	13	6.5	0	
Actual - Remaining time working hours		65	48	38	23	0	0	0	0	0	0	0	



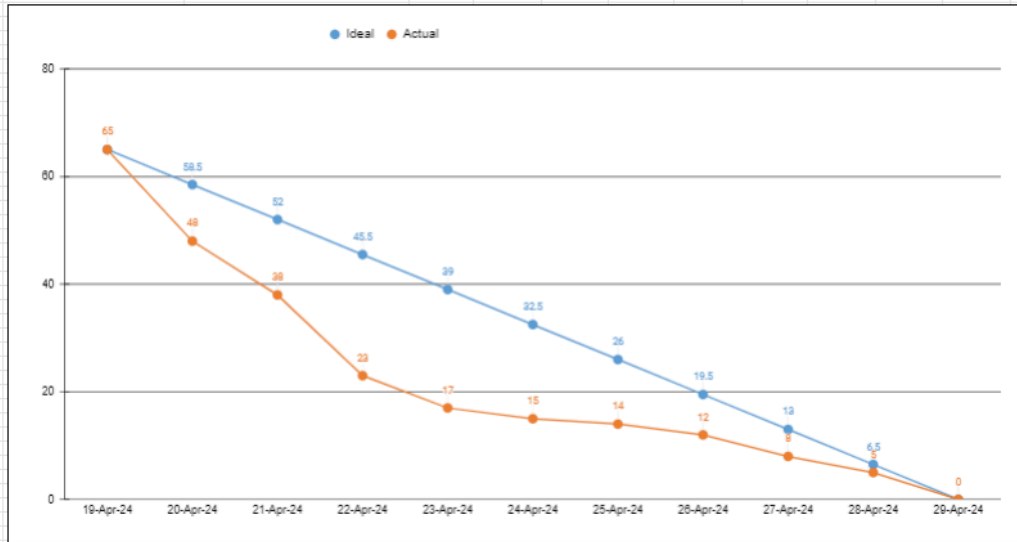
SPRINT 2 BURNDOWN CHART												
Project	Story	19-Apr-24	20-Apr-24	21-Apr-24	22-Apr-24	23-Apr-24	24-Apr-24	25-Apr-24	26-Apr-24	27-Apr-24	28-Apr-24	29-Apr-24
OneStop Degree Issuance Module	Check Incoming Requests - FYP	10	2	3	0	0	0	0	0	0	0	0
OneStop Degree Issuance Module	Decision Making - FYP	14	10	1	5	2	0	0	0	0	0	0
OneStop Degree Issuance Module	Track Department Performance - FYP	4	4	4	4	4	4	4	4	0	0	0
OneStop Degree Issuance Module	Check Outstanding Fee	4	4	10	4	2	5	0	0	0	0	0
OneStop Degree Issuance Module	Check Degree Issuance Fee	3	3	3	0	0	0	0	0	0	0	0
OneStop Degree Issuance Module	Decision Making - Finance	5	5	5	0	0	0	0	0	0	0	0
OneStop Degree Issuance Module	Check Incoming Requests - Finance	7	2	0	0	0	0	0	0	0	0	0
OneStop Degree Issuance Module	FYP Decision Status	5	5	5	5	5	5	0	0	0	0	0
OneStop Degree Issuance Module	Finance Decision Status	3	3	3	3	3	0	0	0	0	0	0
OneStop Degree Issuance Module	Pending Request Reminder	10	10	4	2	1	1	0	0	0	0	0
Ideal - Remaining time working hours		65	58.5	52	45.5	39	32.5	26	19.5	13	6.5	0
Actual - Remaining time working hours		65	48	38	23	17	15	0	0	0	0	0



SPRINT 2 BURNDOWN CHART												
Project	Story	19-Apr-24	20-Apr-24	21-Apr-24	22-Apr-24	23-Apr-24	24-Apr-24	25-Apr-24	26-Apr-24	27-Apr-24	28-Apr-24	29-Apr-24
OneStop Degree Issuance Module	Check Incoming Requests - FYP	10	2	3	0	0	0	0	0	0	0	0
OneStop Degree Issuance Module	Decision Making - FYP	14	10	1	5	2	0	0	0	0	0	0
OneStop Degree Issuance Module	Track Department Performance - FYP	4	4	4	4	4	4	4	4	0	0	0
OneStop Degree Issuance Module	Check Outstanding Fee	4	4	10	4	2	5	2	5	0	0	0
OneStop Degree Issuance Module	Check Degree Issuance Fee	3	3	3	0	0	0	0	0	0	0	0
OneStop Degree Issuance Module	Decision Making - Finance	5	5	5	0	0	0	0	0	0	0	0
OneStop Degree Issuance Module	Check Incoming Requests - Finance	7	2	0	0	0	0	0	0	0	0	0
OneStop Degree Issuance Module	FYP Decision Status	5	5	5	5	5	5	5	0	0	0	0
OneStop Degree Issuance Module	Finance Decision Status	3	3	3	3	3	0	0	0	0	0	0
OneStop Degree Issuance Module	Pending Request Reminder	10	10	4	2	1	1	3	2	0	0	0
Ideal - Remaining time working hours		65	58.5	52	45.5	39	32.5	26	19.5	13	6.5	0
Actual - Remaining time working hours		65	48	38	23	17	15	14	12	0	0	0

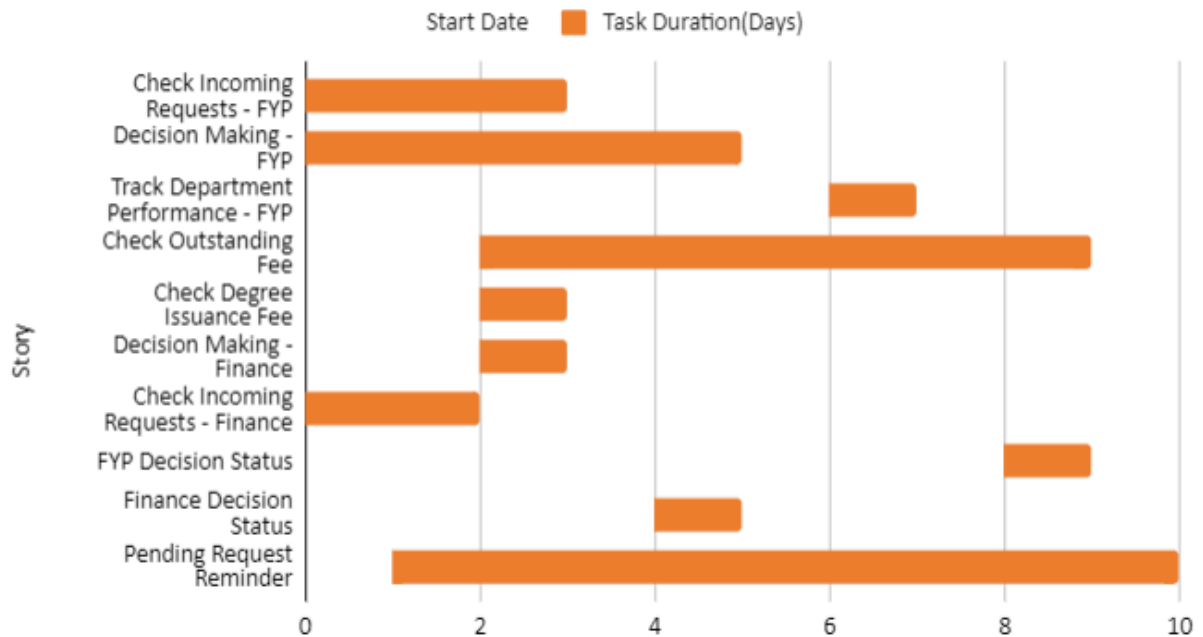


		D	E	F	G	H	I	J	K	L	M	N
		19-Apr-24	20-Apr-24	21-Apr-24	22-Apr-24	23-Apr-24	24-Apr-24	25-Apr-24	26-Apr-24	27-Apr-24	28-Apr-24	29-Apr-24
Project	Story											
OneStop Degree Issuance Module	Check Incoming Requests - FYP	10	2	3	0	0	0	0	0	0	0	0
OneStop Degree Issuance Module	Decision Making - FYP	14	10	1	5	2	0	0	0	0	0	0
OneStop Degree Issuance Module	Track Department Performance - FYP	4	4	4	4	4	4	4	4	0	0	0
OneStop Degree Issuance Module	Check Outstanding Fee	4	4	10	4	2	5	2	5	1	0	0
OneStop Degree Issuance Module	Check Degree Issuance Fee	3	3	3	0	0	0	0	0	0	0	0
OneStop Degree Issuance Module	Decision Making - Finance	5	5	5	0	0	0	0	0	0	0	0
OneStop Degree Issuance Module	Check Incoming Requests - Finance	7	2	0	0	0	0	0	0	0	0	0
OneStop Degree Issuance Module	FYP Decision Status	5	5	5	5	5	5	5	5	5	5	0
OneStop Degree Issuance Module	Finance Decision Status	3	3	3	3	3	0	0	0	0	0	0
OneStop Degree Issuance Module	Pending Request Reminder	10	10	4	2	1	1	3	2	2	5	0
Ideal - Remaining time working hours		65	58.5	52	45.5	39	32.5	26	19.5	13	6.5	0
Actual - Remaining time working hours		65	48	38	23	17	15	14	12	8	5	0



Gantt Chart

Gantt Chart (Sprint 2)



Sprint 3: Request Processing and Performance Tracking

Sprint Backlog

1. Process Request

Story ID: 19

User Story: As a Onestop admin, I want to be able to select and process a student's degree issuance request once all requirements have been met, so that degrees can be issued in a timely and accurate manner.

Tasks:

1. Design backend functionality to update request status and processing details upon completion of degree issuance process.
2. Implement frontend interface for Onestop admin to update request list and mark requests as processed.

2. Number of Daily Pending Requests

Story ID: 23

User Story: As a director, I want to view the number of pending requests generated each day, so that I can gauge the workload and allocate resources accordingly.

Tasks:

1. Develop backend functionality to calculate and display the number of pending requests generated each day.
2. Implement frontend interface for directors to view and analyze daily pending request data.

3. Number of Daily Processed Requests

Story ID: 24

User Story: As a director, I want to view all processed requests generated per day, so that I can track operational efficiency and performance trends.

Tasks:

1. Develop backend functionality to calculate and display the number of processed requests generated each day.
2. Implement frontend interface for directors to view and analyze daily processed request data.

4. Track Department Performance

Story ID: 25

User Story: As a director, I want to view the time taken by each department to process requests, providing insight into departmental efficiency and potential areas for improvement.

Tasks:

1. Develop backend functionality to calculate and display the time taken by each department to process requests.
2. Implement frontend interface for directors to view and analyze departmental performance metrics.

5. Track Request Status

Story ID: 26

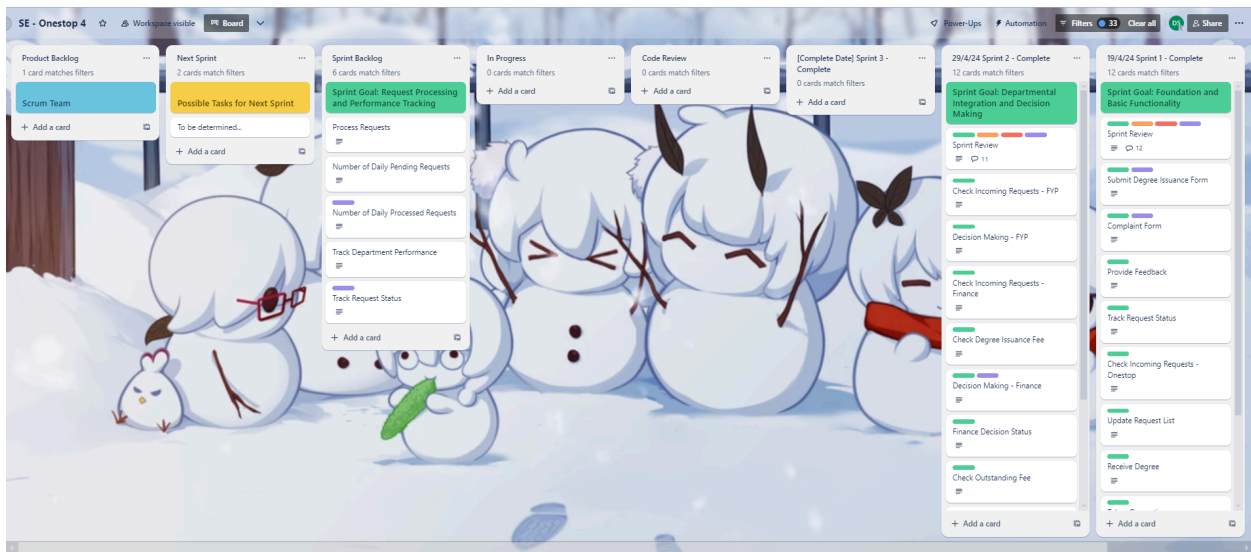
User Story: As a director, I want to be able to track the activity of each request, allowing me to ensure that requests are progressing smoothly through the workflow.

Tasks:

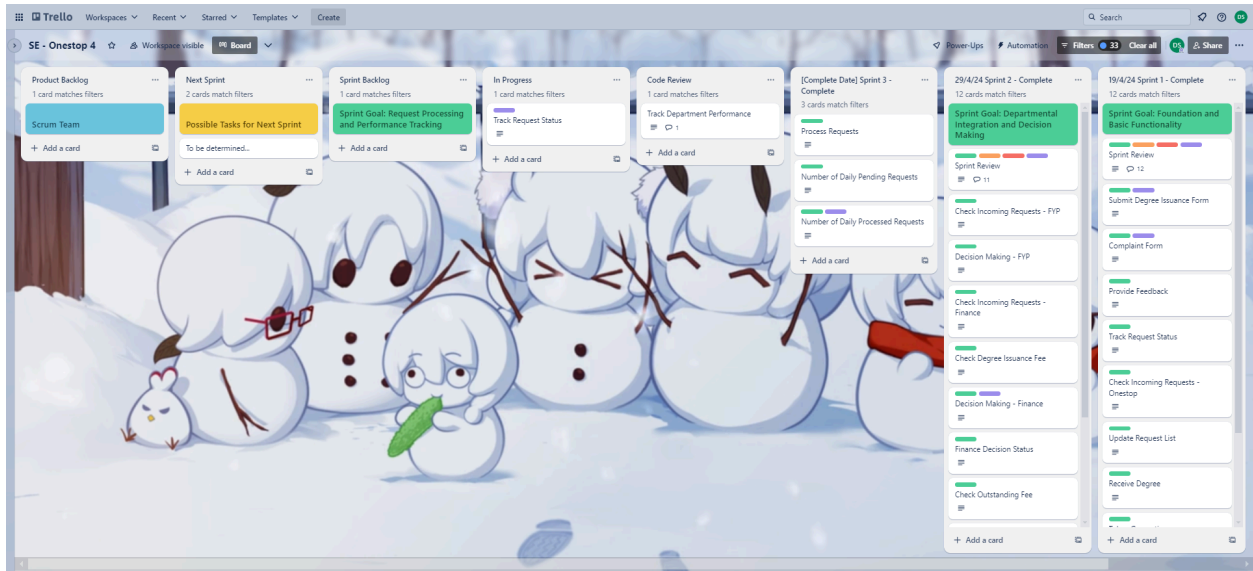
1. Develop backend functionality to track and update request statuses and activities.
2. Implement frontend interface for directors to view and monitor request statuses and activities.

Trello Snapshots

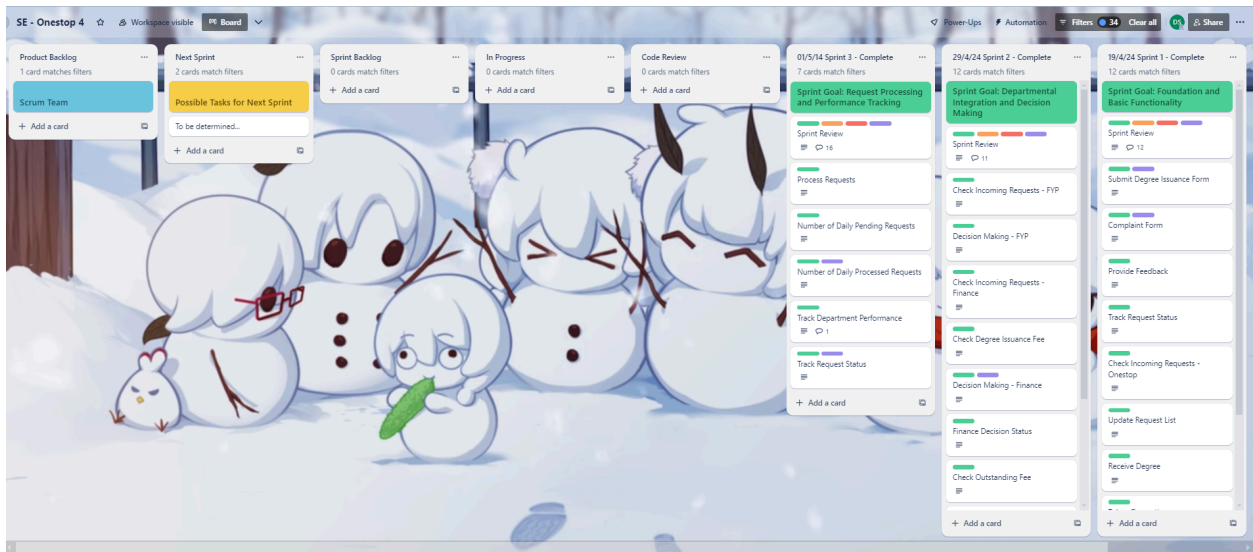
Start



Middle



End



Scrum Master Actions

Scrum Master Actions ☆ Workspace visible Board

Sprint 3 - Observation

Noticed that the team successfully achieved all the sprint goals defined at the beginning of the sprint, demonstrating their ability to deliver on commitments.

Noticed a significant improvement in team collaboration during Sprint 3, with team members actively supporting each other and sharing knowledge and expertise.

Product Backlog is finished. Celebration Time.

+ Add a card

Sprint 3 - Measures Taken

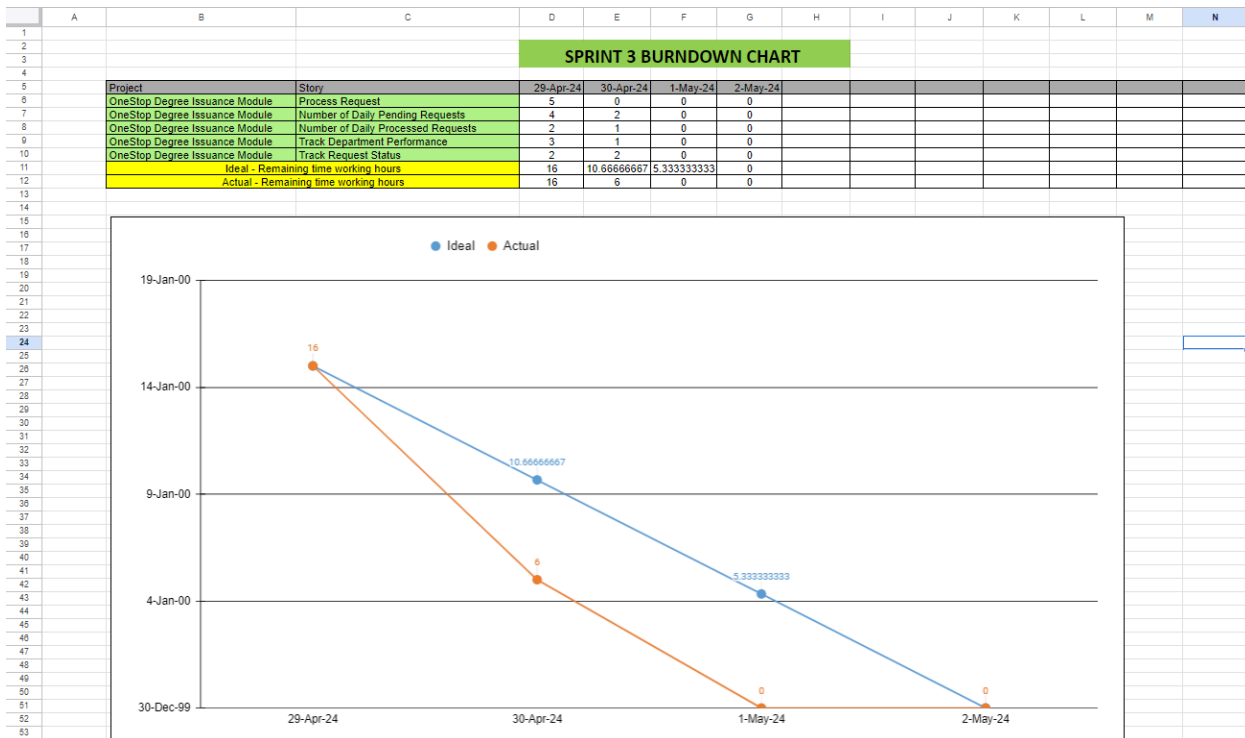
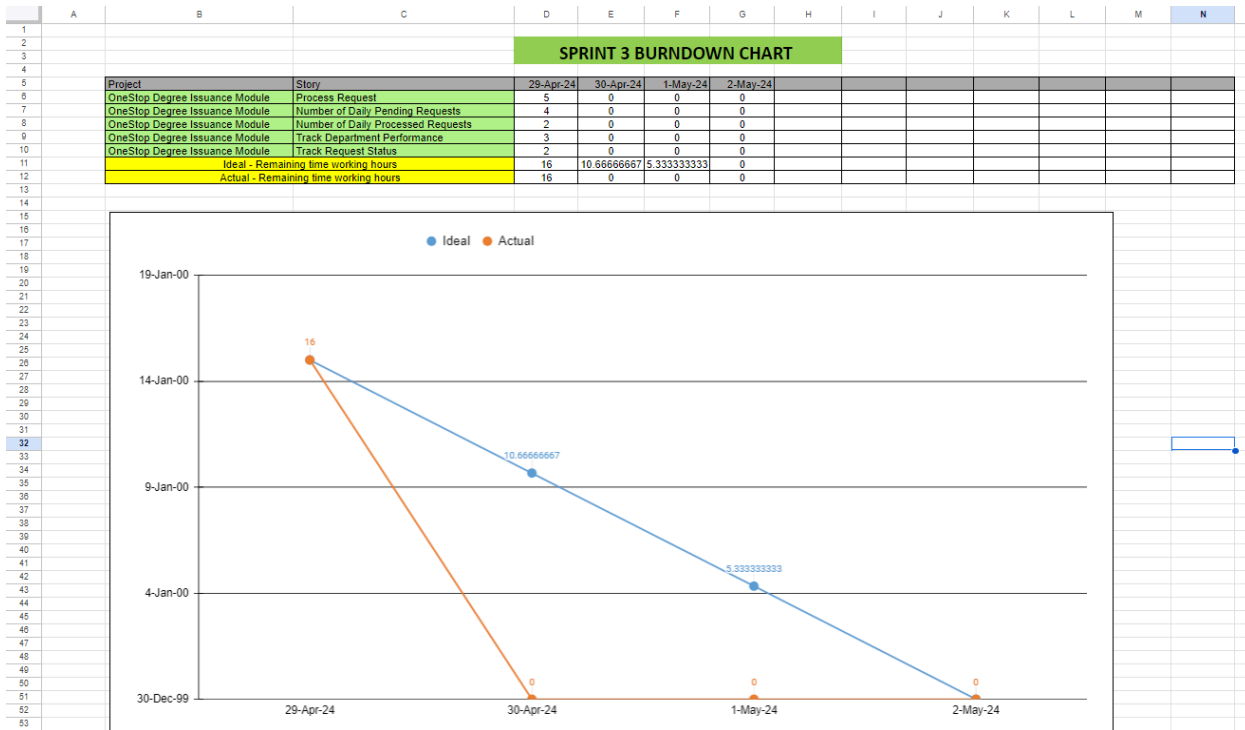
Celebrated the accomplishment of completing all sprint goals with the team, recognizing their hard work and dedication in achieving the objectives. Encouraged the team to reflect on their success and use it as motivation for future endeavors.

Acknowledged and further encouraged the collaborative efforts of the team.

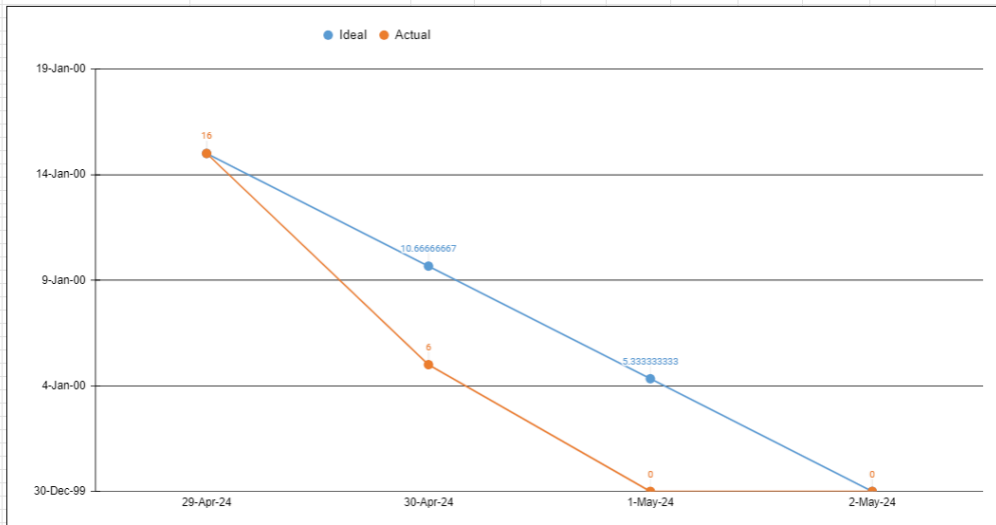
Forced to give treat.

+ Add a card

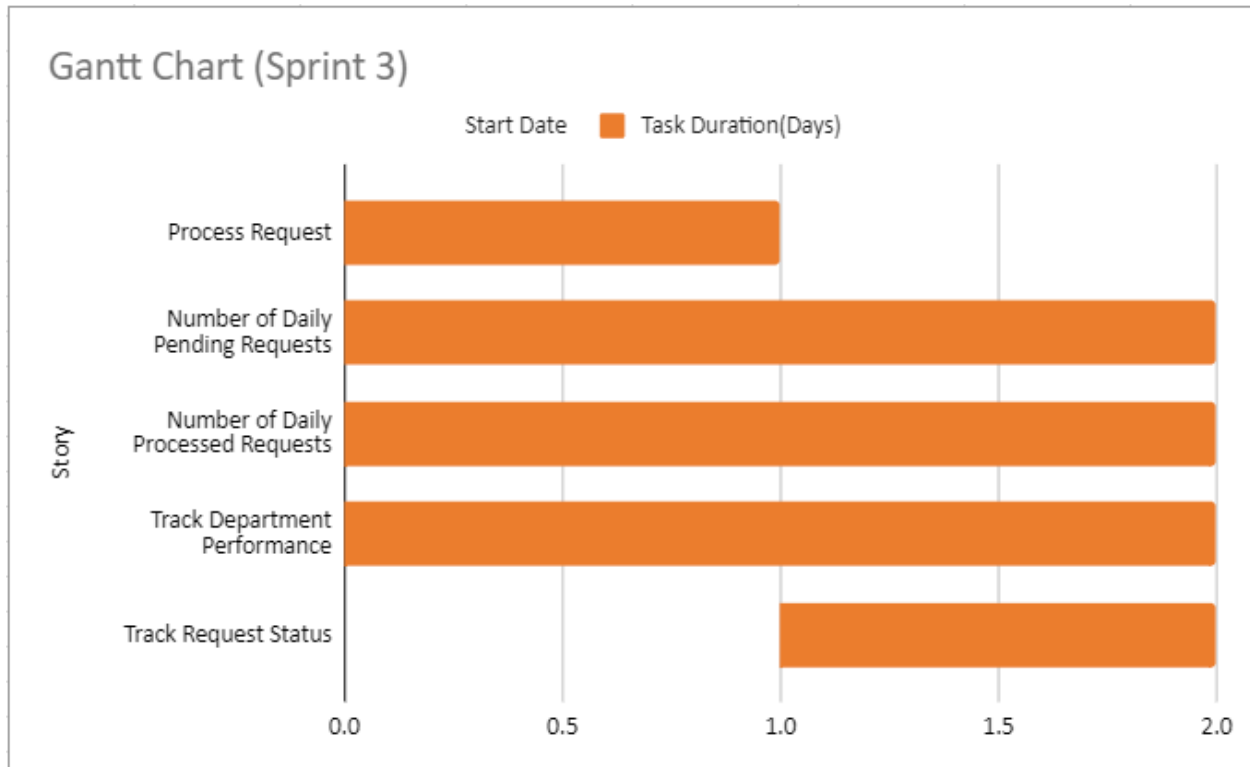
Burndown Chart



Project	Story	29-Apr-24	30-Apr-24	1-May-24	2-May-24
OneStop Degree Issuance Module	Process Request	5	0	0	0
OneStop Degree Issuance Module	Number of Daily Pending Requests	4	2	0	0
OneStop Degree Issuance Module	Number of Daily Processed Requests	2	1	0	0
OneStop Degree Issuance Module	Track Department Performance	3	1	0	0
OneStop Degree Issuance Module	Track Request Status	2	2	0	0
Ideal - Remaining time working hours		16	10.66666667	5.333333333	0
Actual - Remaining time working hours		16	6	0	0



Gantt Chart



Test Cases

1. Login

Fields:

- ID
- Password

Equivalent Class Partitions:

Field	Valid Classes	Invalid Classes
ID	Alphanumeric, 8 < Length < 50, Unique	Length < 8, Length > 50, not alphanumeric, empty, Not Unique
Password	Alphanumeric, 8 < Length < 50	Length < 8, Length > 50, not alphanumeric, empty

Boundary Values:

Field	Boundary Values
ID	Valid: 11111111, 1^50 Invalid: 1^51, 1111111
Password	Valid: 11111111, 1^50 Invalid: 1^51, 1111111

Test Case Counts:

- Weak Equivalence Testing: 3 each
- Strong Equivalence Testing: 15

2. Degree Form

Fields:

- CNIC
- Email
- Submission Date
- Bank Challan Number
- Address

Equivalent Class Partitions:

Fields:

- Submission Date

Equivalent Class Partitions:

Field	Valid Classes	Invalid Classes
Submission Date	Valid format (yyyy-mm-dd), Token generated	Invalid format, Token not generated

Boundary Values:

Field	Boundary Values
Submission Date	Valid: 2000-01-01, Invalid: 00-01-01, 2000-1-1, Token not generated

Test Cases:

- Weak Equivalence Testing: 3
- Strong Equivalence Testing: 10

4. Feedback Form**Fields:**

- Submission Date

Equivalent Class Partitions:

Field	Valid Classes	Invalid Classes
Submission Date	Valid format (yyyy-mm-dd), Token generated	Invalid format, Token not generated

Boundary Values:

Field	Boundary Values
Submission Date	Valid: 2000-01-01, Invalid: 00-01-01, 2000-1-1, Token not generated

Test Cases:

- Weak Equivalence Testing: 3
- Strong Equivalence Testing: 10

5. Receive Degree

- Cannot be shown until approval

Equivalent Class Partitions:

Field	Valid Classes	Invalid Classes
Approval Status	Approved	Not Approved, Pending

Test Cases:

- Weak Equivalence Testing: 3
- Strong Equivalence Testing: 10

6. Generate Degree**Fields:**

- Cannot generate until all status accepted

Equivalent Class Partitions:

Field	Valid Classes	Invalid Classes
Status	All accepted	Not all accepted

Test Cases:

- Weak Equivalence Testing: 3
- Strong Equivalence Testing: 10

Github Repository

https://github.com/TayyabSohail/FastNuces_Degree_Issuance_Managent_System_-FULL-STACK-

Video Link

<https://drive.google.com/drive/folders/1XhUirI-Febx442eBiHrURHuczX7AfrJm>