

Next Generation Student Portal Intranet

JASKARAN SINGH	001248131
RAVNEET KAUR	001208652
SUYASHKUMAR DARJI	001171799
SYED ALI SABTAIN	001229264
YASHKUMAR ARVINDBHAI	0012509434

Web and Intranet Content Management

COMP1612

Coursework 2

Contents

Introduction	5
List of team members and their roles	6
Team Member and Roles.....	6
Role Description:.....	6
Roles and Responsibilities:	6
Scrum Master:	6
Product Owner:.....	6
Junior Developer:.....	7
Senior Developer:	7
Tester:.....	7
Links to Panopto screencasts (pitch presentation and functionality description).....	7
Pitch Presentation	7
Functionality Description.....	7
Description of the finished product.....	7
Home Page: Figure 1 has shown the home page of our intranet. It contains below mentioned features:	8
Pages Tab:	11
Documents Tab:	11
Email Tab:	12
Conversation Tab:	13
Project Plan:	13
SharePoint Project Plan Boards:	13
SharePoint Project Plan Charts:	14
IT Support Service:.....	14
Database Implementation:.....	14
Testing	16
The functionality of the Student Records List.	16
Test Plan:	16
Successful Results:.....	16
Evidence of testing finding errors:.....	17

Unique Student ID Check:	17
Test Plan	17
Finding Testing Errors:.....	18
The Functionality of Add Events List:	18
Test Plan	18
Finding Errors:	19
Successful Results:.....	20
All project development documentation	20
Iteration Cycle:	20
Daily Scrum Meetings:	20
Scrum Processes:	21
Sprint 1	21
Sprint 2.....	22
Sprint 3.....	22
Gant Chart for Sprint 1:	23
Gantt chart for Sprint2:.....	24
Gant Chart for Sprint 3:.....	24
 Table 1: Members and Roles.....	6
Table 2: Test Plan 1	16
Table 3: Test Plan 2.....	17
Table 4: Test Plan 3	19
Table 5: Iterations	20
 Figure 1: Home Page	8
Figure 2: My Learning Tab	9
Figure 3: Student Profile List	9
Figure 4: Document Library	10
Figure 5: Quick Links	10
Figure 6: Event List.....	11

Figure 7: Page Tab.....	11
Figure 8: My Learning	12
Figure 9: Email App	12
Figure 10: Conversation App	13
Figure 11: Project Plan Board	13
Figure 12: Project Plan Chart.....	14
Figure 13: IT Support	14
Figure 14: Access DB	15
Figure 15: Student List.....	15
Figure 16: Test Result.....	16
Figure 17: Error Finding	17
Figure 18: Error Finding (Duplicate ID).....	18
Figure 19: Error Finding (Empty Title)	19
Figure 20: Successful Events Insertion	20
Figure 21: Gantt Chart 1	23
Figure 22: Gant Chart 2.....	24
Figure 23: Gant Chart 3	24

Next Generation Student Portal

Introduction:

In this project, an intranet is going to build for the university of Greenwich student portal. The intranet will be built through share point. All the basic and essential features of the student portal will be developed during this process. In this intranet, we will have the team site option which will be used by our team for communication and correspondence. The team will collaborate by using this team site link. The version control link will also be available for the team on the portal. The team can control the versions from that link. Also, the document control feature will be available for the team and an active link will be available on the portal for the management and control of documentation. The project plan will also be displayed on the site page for the ease of the team, the plan will also help the team to meet deadlines. By having a project plan on their screen, the team can better collaborate and communicate about the project deliverables and outcomes. The team consists of five members. The first member of the team is the scrum master - who is responsible for leading the team, breaking down projects into chunks, estimation, and distribution. The second member is the product owner - who is responsible for managing the product backlogs, understanding the market needs, and serving as an intermediary between product and development. The third and fourth members are developers - are responsible for the development of the intranet and student portal. The fifth member is the tester - who is responsible for unit testing, functional testing, system testing, and integration testing.

The Agile Scrum Methodology is used in the intranet development life cycle. Below is discussed, the team members and their roles, Panopto Screen cast links, and description for the finished product, and all project documentation.

List of team members and their roles

Team Member and Roles

This project is developed by 5 team members. All of their details and roles are listed below:

Name	ID	Role
JASKARAN SINGH	001248131	Scrum Master
SUYASHKUMAR DARJI	001171799	Product Owner
SYED ALI SABTAIN	001229264	Developer
RAVNEET KAUR	001208652	Developer
YASHKUMAR ARVINBHAI	0012509434	Tester

Table 1: Members and Roles

Role Description:

In agile development, all team members are coordinating and collaborate with each other to complete the project with desired functionalities under given resources and timelines. The Agile Methodology depends on Scrum Master, Product Owner, and Scrum Team. The scrum team is further divided into a number of professional developers, designers, and testers to implement the system. Below is mentioned the thorough role descriptions for our team members to complete this project.

Roles and Responsibilities:

Scrum Master:

In other words, we can also say scrum master is the project manager or team leader of the project. The scrum master is solely responsible for creating a strategy and making plans for the execution of the strategy. He is also answerable for managing and ordering the product backlog. He is also responsible for the estimation and distribution of the project.

Product Owner:

A product owner is responsible for managing the product backlogs, understanding the market needs, and serving as an intermediary between product and development.

Junior Developer:

He is responsible for the design documents of the project as well as it will assist the senior developer in developing the features of the intranet. It will also develop some low-level features.

Senior Developer:

He is responsible for producing clean and efficient code. He is responsible for the development and implementation of the product. He is also responsible for the integration of software components and third-party programs.

Tester:

The tester does the requirement analysis, test planning, test case design and development, test environment setup, test execution, and test cycle closure. He is also responsible for unit testing, functional testing, system testing, and integration testing.

Links to Panopto screencasts (pitch presentation and functionality description)**Pitch Presentation**

<https://gre.cloud.panopto.eu/Panopto/Pages/Viewer.aspx?id=842c39b8-dd65-4c61-a89a-af6a00fd7d21>

Functionality Description

<https://gre.cloud.panopto.eu/Panopto/Pages/Viewer.aspx?id=68f65580-250c-498e-9532-af6a00ec2cfe>

Links to website:

<https://uogcloud.sharepoint.com/sites/Task3-S-CAM>

Link to Group Repository:**Description of the finished product**

Home Page:

Figure 1 has shown the home page of our intranet. It contains below mentioned features:

- My Learning
- Conversation
- Email
- Pages
- Project Plan
- Student News

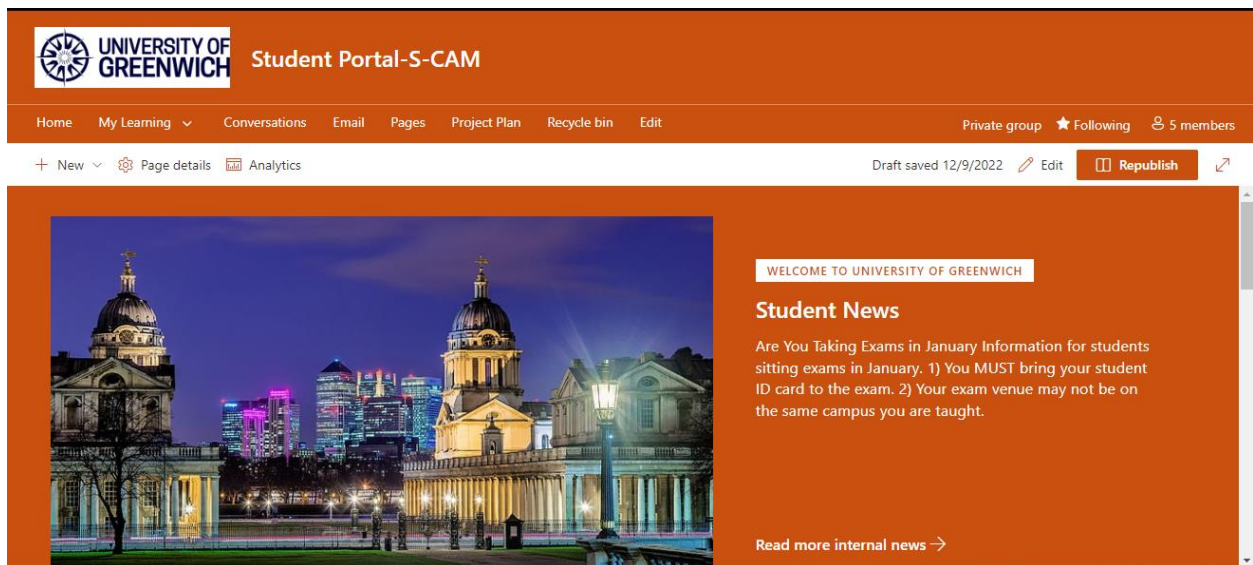


Figure 1: Home Page

Figure 2 has shown the sub-modules of the My Learning Tab. It includes the information about the student's portal:

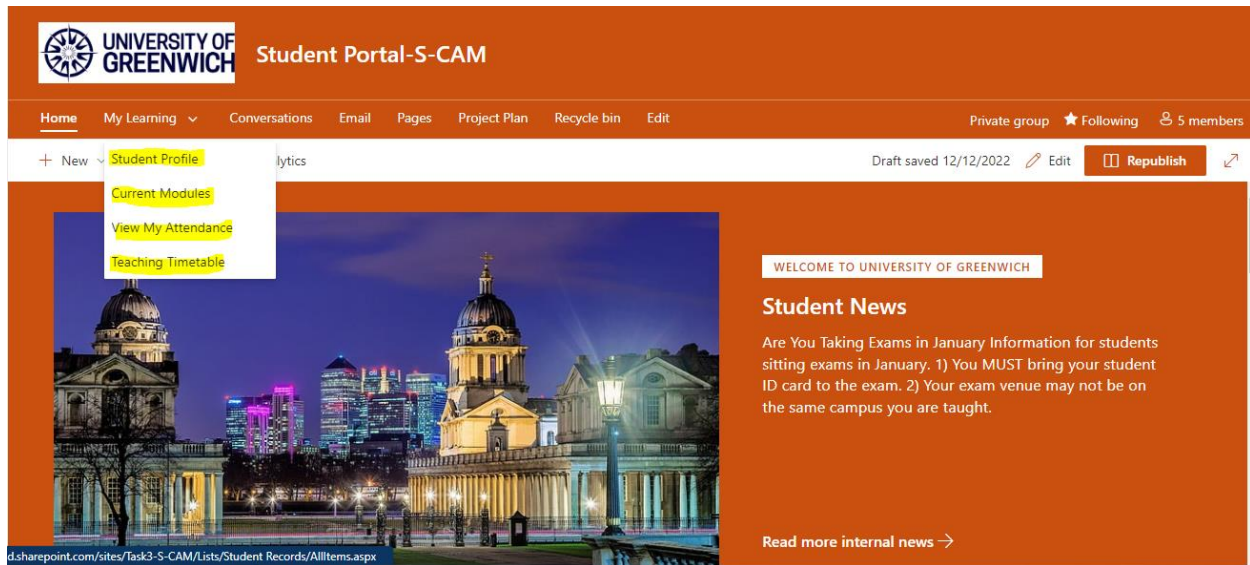


Figure 2: My Learning Tab

Figure 3 has shown the list of student's profiles in our intranet.

UNIVERSITY OF GREENWICH Student Portal-S-CAM					
Home	My Learning	Conversations	Email	Pages	Project Plan
Recycle bin	Edit	Private group	Following	5 members	
+ New	Edit	Edit in grid view	Share	Delete	Automate
1 selected	All Items				
Student Profiles					
S ID	S Name	S Gender	S Address	S Contact	+ Add column
1229264	Syed Sabtain	Male	3b harrow market Langley, Slough SI3 8hj	+44 7903 556482	
1248131	Jaskaran singh	Male	56 dickens avenue Uxbridge UB8 3DL	+91 8130047229	
12509434	Yashkumar Arvindbhai	Male	80A Norton road Wembyly HA04RF	+91 9925809765	
1208652	Ranveet Kaur		5 halsend hayes UB3 3LB	+44 7424 384154	
1171799	Suyashkumar Darji	Male	21A flamsted avenue HA9 6DL	+44 7405 183139	

Figure 3: Student Profile List

Figure 4 has shown the sub-features listed on the home page. It includes document library section for the management of a documents and quick links to assist the students. In the quick links section, links are attached. So that the user can easily navigate to the corresponding link.

Next Generation Student Portal

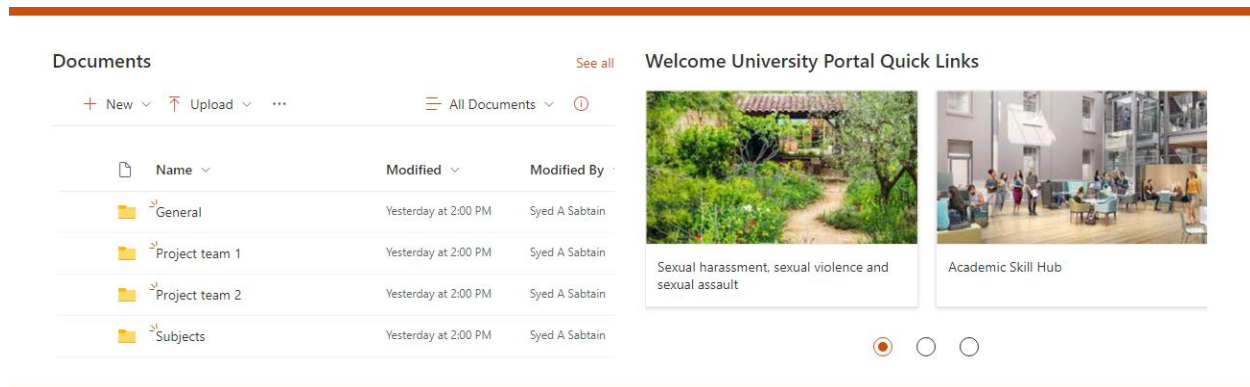


Figure 4: Document Library

Figure 5 has shown some quick links for the student portal. It includes the university policy for strike action and also what's running on and around the campus.

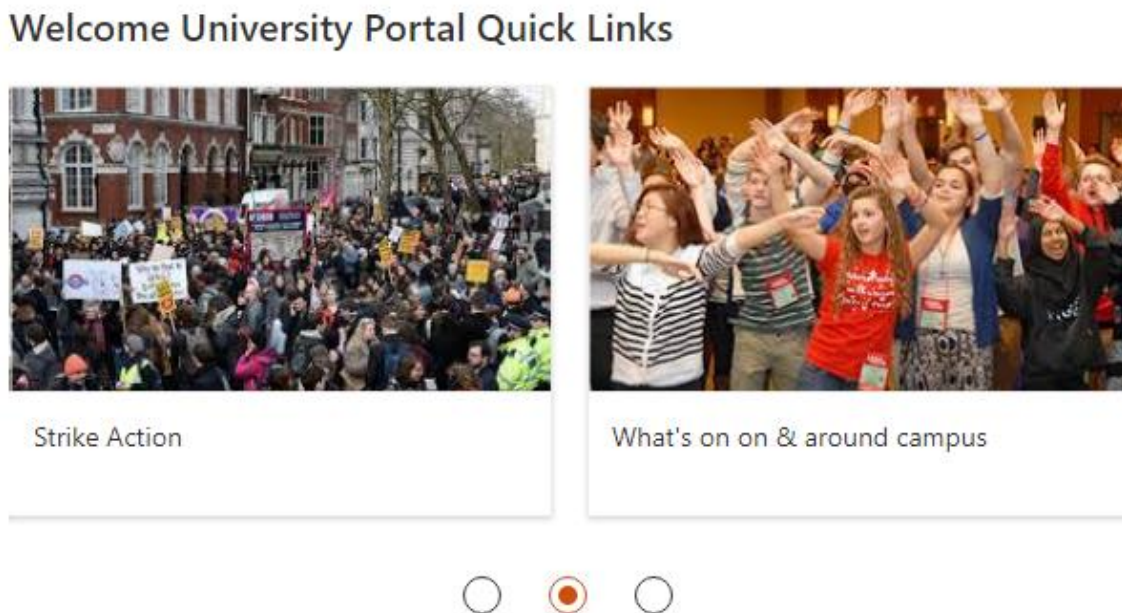


Figure 5: Quick Links

Figure 6 has shown the event list feature. It will allow us to add events to the student portal. It contains the event title, and date.



Figure 6: Event List

Pages Tab:

All the web pages could be controlled under the pages tab. Figure 7 has shown the pages tab for our student portal.

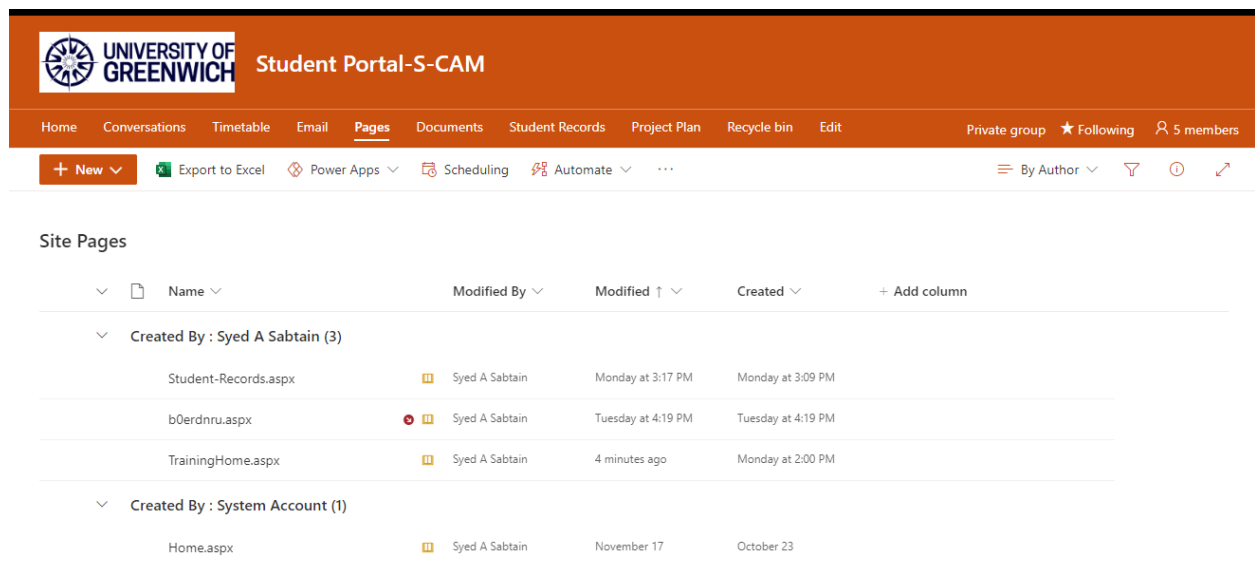


Figure 7: Page Tab

Documents Tab:

Figure 8 has shown the My Learning tab of the student portal.

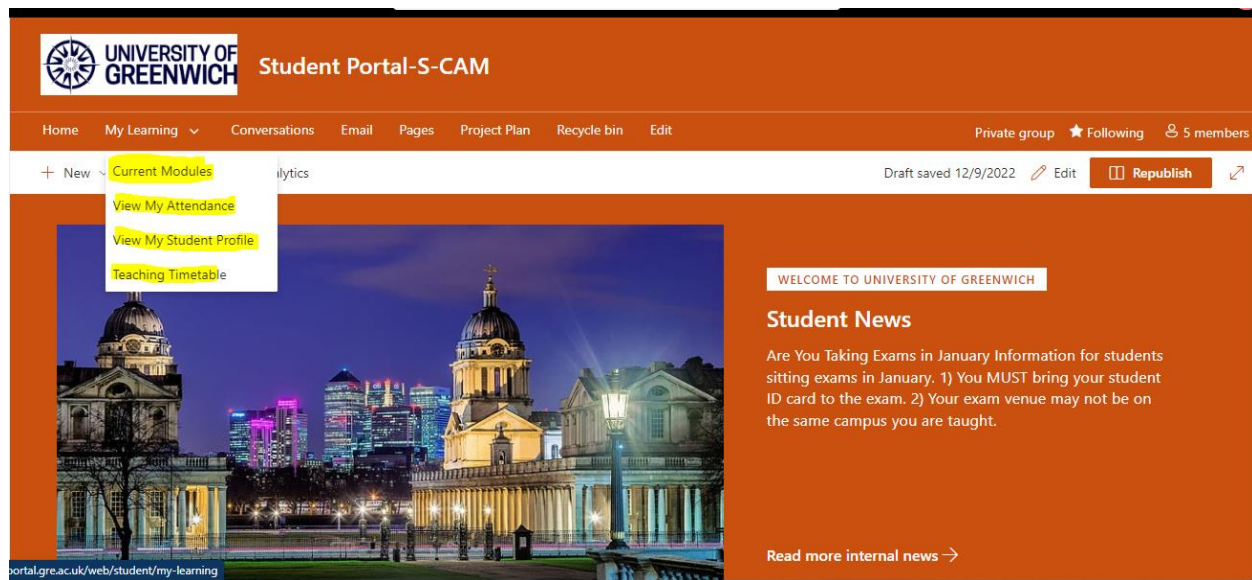


Figure 8: My Learning

Email Tab:

Students can also get easy access to their emails by using this portal. Figure 9 has shown the Email tab that will help the users to use their emails.

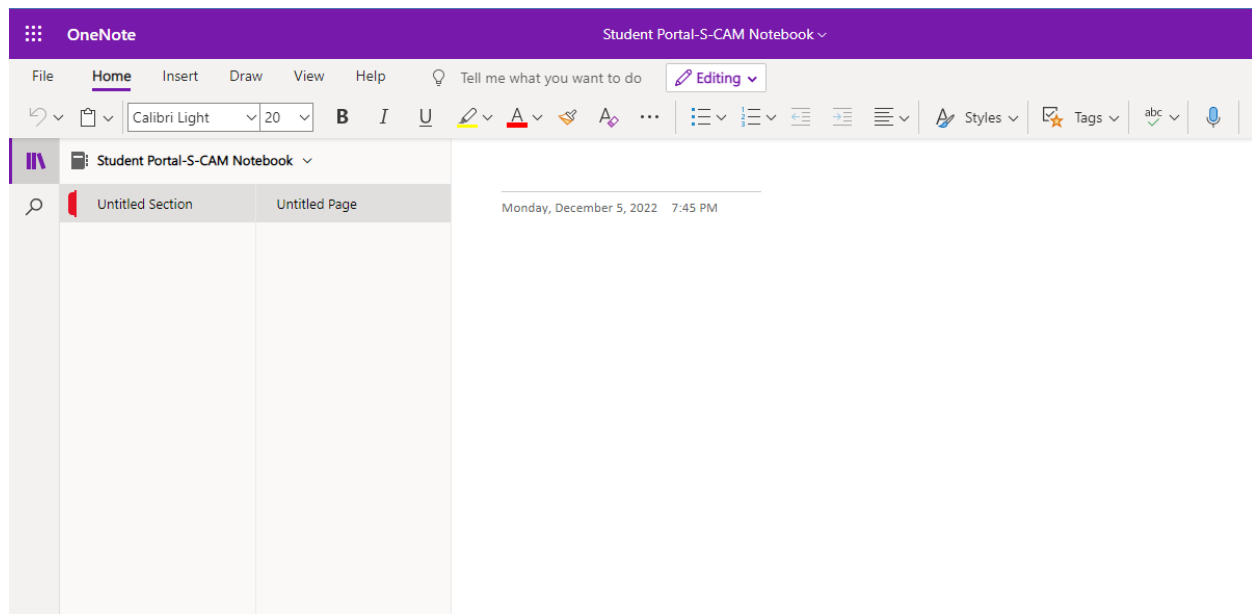


Figure 9: Email App

Next Generation Student Portal

Conversation Tab:

Figure 10 has shown the conversation tab that will help the user to do conversations.

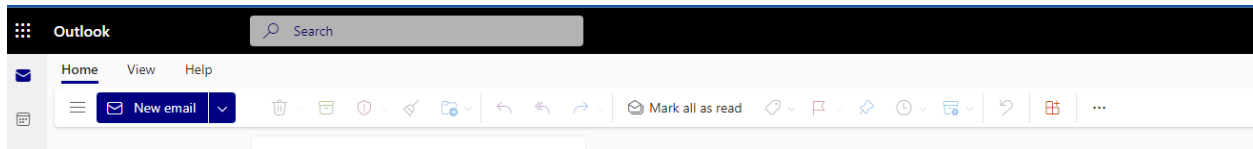


Figure 10: Conversation App

Project Plan:

SharePoint also helps the team members to easily manage their projects. Figure 11 has shown the project plan for the student intranet. It helps the Scrum team to easily manage their projects.

SharePoint Project Plan Boards:

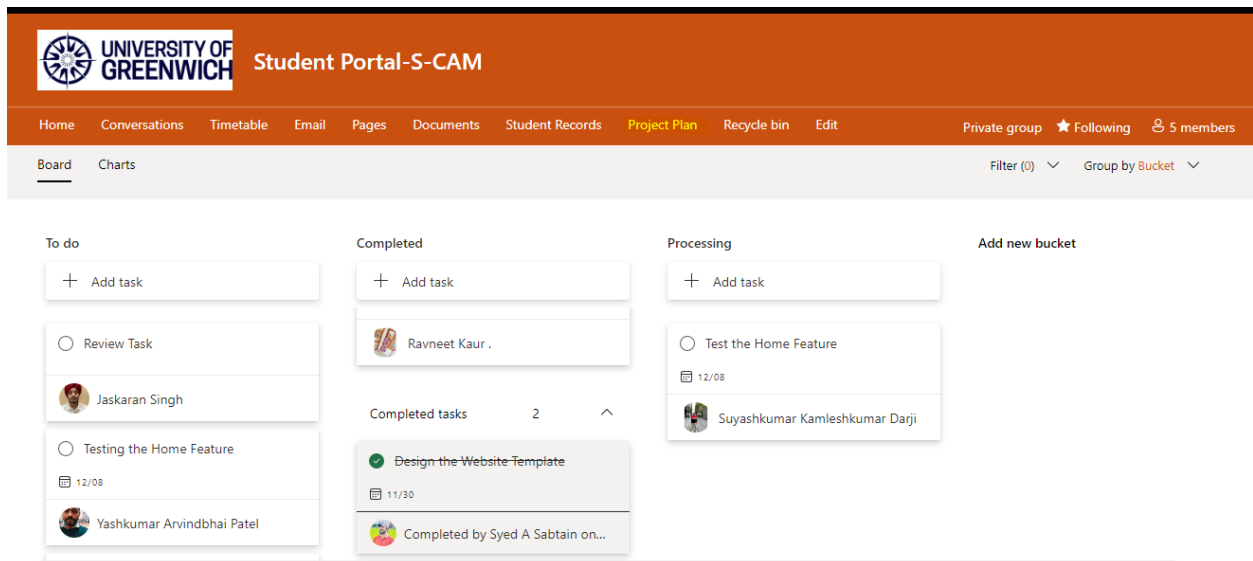


Figure 11: Project Plan Board

SharePoint Project Plan Charts:

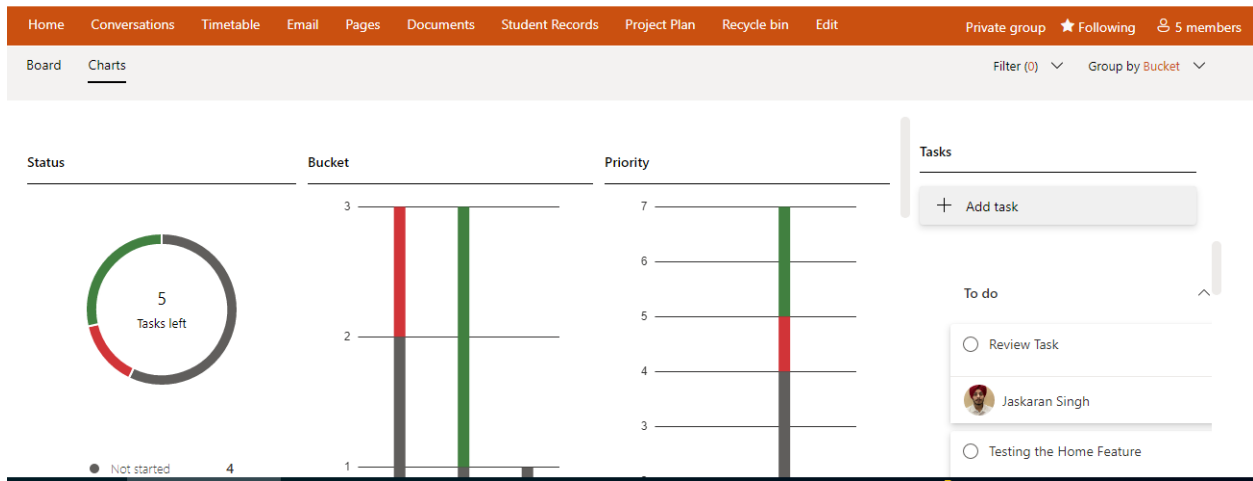


Figure 12: Project Plan Chart

IT Support Service:

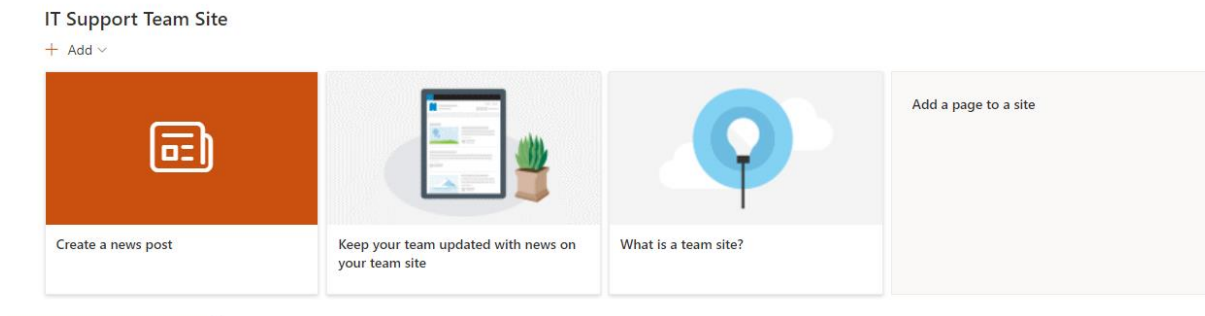


Figure 13: IT Support

Database Implementation:

The student profile page includes the records of the students. We have created a student table in the MS Access table and integrated it with the list of items used in the Student's records table. It means the data in the student records table is fetched by the MS Access

database:

Student				
ID	Name	Gender	Address	S Contact
1171799	Suyashkumar Darji	Male	21A flamsted avenue HA9 6DL	+44 7405 18313
1208652	Ravneet kaur	Female	5 halsend hayes UB3 3LB	+44 7424 38415
1229264	Syed Sabtain	Male	3b harrow market Langley, Slough SL3 8hj	+44 7903 55648
1248131	Jaskaran singh	Male	56 dickens avenue Uxbridge UB8 3DL	+91 8130047229
12509434	Yashkumar Arvindbhai	Male	80A Norton road Wembly HA04RF	+91 9925809765
* 0				

Figure 14: Access DB

Home My Learning Conversations Email Pages Project Plan Recycle bin Edit				
<div> <div>+ New</div> <div>Edit</div> <div>Edit in grid view</div> <div>Share</div> <div>Delete</div> <div>Automate</div> <div>...</div> </div>				
Student Profiles				
S ID	S Name	S Gender	S Address	S Contact
1229264	Syed Sabtain	Male	3b harrow market Langley, Slough SL3 8hj	+44 7903 556482
1248131	Jaskaran singh	Male	56 dickens avenue Uxbridge UB8 3DL	+91 8130047229
12509434	Yashkumar Arvindbhai	Male	80A Norton road Wembly HA04RF	+91 9925809765
1208652	Ravneet Kaur	Female	5 halsend hayes UB3 3LB	+44 7424 384154
1171799	Suyashkumar Darji	Male	21A flamsted avenue HA9 6DL	+44 7405 183139

Figure 15: Student List

Testing

The functionality of the Student Records List.

Test Plan:

The below test plan is created to test the functionality of the save button to store the student profile data in the list. Whenever any of the input fields are empty, then the system would not allow the user to insert the data into the list. The data would be added to the list only if all required fields have data.

Condition	Rule 1	Rule 2	Rule 3	Rule 4	Rule 5	Rule 6
S ID	F	T	T	T	T	T
S Name	F	F	T	T	T	T
S Gender	F	T	F	T	T	T
S Address	F	T	F	F	T	T
S Contact	F	T	F	F	F	T
Outcome Save Button	F	F	F	F	F	T

Table 2: Test Plan 1

Successful Results:

Student Profile ☆


S ID ▼	S Name ▼	S Gender ▼	S Address ▼	S Contact ▼
 1171799	Suyashkumar Darji	Male	21A flamsted avenue HA9 6DL	+44 7405 183139

Figure 16: Test Result

Evidence of testing finding errors:

The figure has shown if the user won't enter any data into any required field then the system would prompt that the "You can't leave this blank".

The screenshot displays the 'Student Portal-S-CAM' interface. On the left, a table titled 'Student Profile' lists student details. On the right, a form is shown with several fields marked as required (indicated by an asterisk) and displaying the error message 'You can't leave this blank.' for each empty field.

S ID	S Name	S Gender
1171799	Suyashkumar Darji	Male
1208652	Ravneet kaur	Female
1229264	Syed Sabtain	Male
1248131	Jaskaran singh	Male
12509434	Yashkumar Arvindbhai	Male

Form fields and validation errors:

- S ID ***: Enter value here. You can't leave this blank.
- S Name ***: Enter value here. You can't leave this blank.
- S Gender ***: Enter value here. You can't leave this blank.
- S Address ***: Enter value here. You can't leave this blank.
- S Contact ***: Enter value here. You can't leave this blank.

Figure 17: Error Finding

Unique Student ID Check:

Test Plan

As it is understood that all students must have a unique id. This test plan will determine if the system would allow to store of the redundant student id or not.

Condition	Rule 1	Rule 2
Student ID Duplicate	T	F
Save Button	F	T

Table 3: Test Plan 2

Finding Testing Errors:

Save

Cancel

Copy link

S ID *

1171799

This value already exists in the list.

S Name *

New Student

S Gender *

Male

S Address *

asdasd

S Contact *

111111111

Attachments

Add attachments

Figure 18: Error Finding (Duplicate ID)

The Functionality of Add Events List:

Test Plan

Condition	Rule 1	Rule 2	Rule 3	Rule 4	Rule 5
Title	F	T	T	T	T
From Date	T	F	T	T	T
To Date	T	F	T	T	T
Where	T	T	F	T	T
Category	T	T	F	F	T

Outcome	F	F	T	T	T
Save Button					

Table 4: Test Plan 3

Finding Errors:

If Event Title is empty:

App launcher

✕ Event title is required.

DEC
12

Add a title

When

Mon, Dec 12, 2022

11:30 AM

Mon, Dec 12, 2022

12:30 PM

(UTC) Dublin, Edinburgh, Lisbon, London ⓘ

☐ All day

Where

Enter event location or address

🔍

Link

Address

Figure 19: Error Finding (Empty Title)

Successful Results:

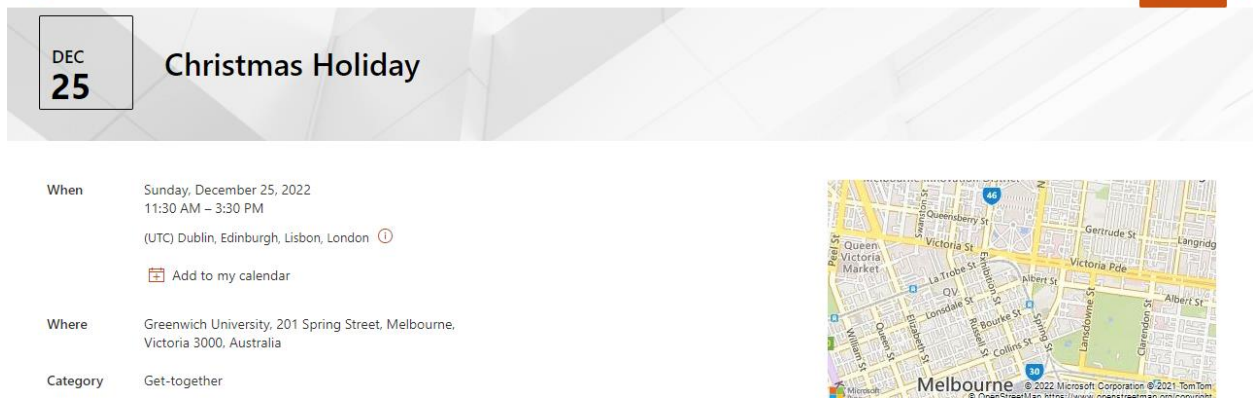


Figure 20: Successful Events Insertion

All project development documentation

Iteration Cycle:

First Iteration	Second Iteration	Third Iteration
Requirements Gathering	Requirements Gathering	Requirements Gathering
Planning and Analysis	Planning and Analysis	Planning and Analysis
Design and Development	Design and Development	Design and Development
Implementation and Testing	Implementation and Testing	Implementation and Testing
User Acceptance	User Acceptance	User Acceptance

Table 5: Iterations

Daily Scrum Meetings:

A formal process is followed to develop this project. Daily Meetings are scheduled to discuss the development tasks. It is known as daily scrum.

All team members participated in daily scrum. The development teams show their work and create a plan for the next 24 hours.

They are involved in events like Sprint planning, Sprint review, and Sprint Retrospective events.

Sprint planning involves the work that is planned to complete. All team members discussed two questions i.e. is the current pending task and how it can be done.

Sprint Review is an informal meeting event in which the team reviewed all the completed tasks and makes some plans for product increment.

At the end Sprint Retrospective event is scheduled, so that all team members discussed which task is successfully completed and which one is left. They also discussed the flaws and ways to improve it in current tasks. This meeting is planned after the review stage and before the next spring planning stage.

Scrum Processes:

- The product Backlog
- The Sprint Backlog
- The Sprint Burn down Chart

Gantt chart for each Iteration

Sprint 1

- Sprint Planning
- Setup the SharePoint Tool
 - Create a new team site intranet project
 - Add project information
 - Add group members
- Create a base theme for our student portal
- Add Project Plan in our document
- Assemble Template 1
- Testing
- Deploy
- Sprint Review

Next Generation Student Portal

Sprint 2

- Sprint Planning
- Design the Home Page
 - We have created the design for our home page.
 - Select colors, fonts, etc.
- Develop Features
 - Add features in our intranet
 - Add lists in our templates
 - Insert images and links to the list items
- Assemble Template 3
 -
- Testing
- Deploy

Sprint 3

- Sprint Planning
- Add Document Library in Home Page
- Add Quick Links in Home Page
- Add Student Portal Event Lists
- Assemble Template 4
- Testing
- Deploy

Gantt Chart for Sprint 1:

✓	✗	Task Name	Due Date	Assigned To	Text	Number	+
	<input checked="" type="checkbox"/>	Sprint Planning ✖	November 20	<input type="checkbox"/> Jaskaran Singh <input type="checkbox"/> Suyashkumar Kamleshkumar Darji			
	<input checked="" type="checkbox"/>	Setup the Intranet ✖	November 20	Ranveet Kaur			
	<input checked="" type="checkbox"/>	Create new intranet in SharePoint ✖					
	<input checked="" type="checkbox"/>	Add Description ✖					
	<input checked="" type="checkbox"/>	Add Team members and roles ✖					
	<input checked="" type="checkbox"/>	Create Base Theme ✖	November 20	<input type="checkbox"/> Syed A Sabtain			
	<input checked="" type="checkbox"/>	Add Project Plan ✖	November 20	<input type="checkbox"/> Syed A Sabtain			
	<input checked="" type="checkbox"/>	Assemble Template 1 ✖	November 20	<input type="checkbox"/> Syed A Sabtain			
	<input checked="" type="checkbox"/>	Testing ✖	November 20	<input type="checkbox"/> Yashkumar Arvindbhai Patel			
	<input checked="" type="checkbox"/>	Sprint Review ✖	November 20	<input type="checkbox"/> Jaskaran Singh <input type="checkbox"/> Suyashkumar Kamleshkumar Darji <input type="checkbox"/> Syed A Sabtain <input type="checkbox"/> Yashkumar Arvindbhai Patel			
	<input checked="" type="checkbox"/>	Sprint Retrospective ✖	November 20	<input type="checkbox"/> Jaskaran Singh <input type="checkbox"/> Suyashkumar Kamleshkumar Darji <input type="checkbox"/> Syed A Sabtain <input type="checkbox"/> Yashkumar Arvindbhai Patel			

Figure 21: Gantt Chart 1

Gantt chart for Sprint2:

All Tasks Calendar Completed ... Find an item 🔍

✓	📌	Task Name	Due Date	Assigned To	Text	Number	+
<input checked="" type="checkbox"/>		Sprint Planning	November 22	<input type="checkbox"/> Jaskaran Singh <input type="checkbox"/> Suyashkumar Kamleshkumar Darji			
	<input checked="" type="checkbox"/>	Design Home Page	November 22	Ranveet Kaur			
<input checked="" type="checkbox"/>		Select Design Constraints following Heuristic Principles					
<input checked="" type="checkbox"/>		Develop Home Page	November 22	<input type="checkbox"/> Syed A Sabtain			
<input checked="" type="checkbox"/>		Testing	November 22	<input type="checkbox"/> Yashkumar Arvindbhai Patel			
<input checked="" type="checkbox"/>		Sprint Review	November 22	<input type="checkbox"/> Jaskaran Singh <input type="checkbox"/> Suyashkumar Kamleshkumar Darji <input type="checkbox"/> Syed A Sabtain <input type="checkbox"/> Yashkumar Arvindbhai Patel			
<input checked="" type="checkbox"/>		Sprint Retrospective	November 22	<input type="checkbox"/> Jaskaran Singh <input type="checkbox"/> Suyashkumar Kamleshkumar Darji <input type="checkbox"/> Syed A Sabtain <input type="checkbox"/> Yashkumar Arvindbhai Patel			

Figure 22: Gant Chart 2

Gant Chart for Sprint 3:

All Tasks Calendar Completed ... Find an item 🔍

✓	📌	Task Name	Due Date	Assigned To	Text	Number	+
<input checked="" type="checkbox"/>		Sprint Planning	November 24	<input type="checkbox"/> Jaskaran Singh <input type="checkbox"/> Suyashkumar Kamleshkumar Darji			
<input checked="" type="checkbox"/>		Add Document Library	November 24	<input type="checkbox"/> Syed A Sabtain			
	<input checked="" type="checkbox"/>	Add Quick Links	November 24	Ranveet Kaur			
<input checked="" type="checkbox"/>		Add Event List	November 24	<input type="checkbox"/> Syed A Sabtain			
<input checked="" type="checkbox"/>		Testing	November 24	<input type="checkbox"/> Yashkumar Arvindbhai Patel			
<input checked="" type="checkbox"/>		Sprint Review	November 24	<input type="checkbox"/> Jaskaran Singh <input type="checkbox"/> Suyashkumar Kamleshkumar Darji <input type="checkbox"/> Syed A Sabtain <input type="checkbox"/> Yashkumar Arvindbhai Patel			
<input checked="" type="checkbox"/>		Sprint Retrospective	November 24	<input type="checkbox"/> Jaskaran Singh <input type="checkbox"/> Suyashkumar Kamleshkumar Darji <input type="checkbox"/> Syed A Sabtain <input type="checkbox"/> Yashkumar Arvindbhai Patel			

Figure 23: Gant Chart 3