

PROJECT CHARTER	
Project title: NouraStu+.	
Project Sponsor: PNU management.	Date Prepared: 14-3-2024.
Project Manager: Najd Alharbi.	Project Customer: PNU Students.
Project Purpose: Making students experience easier and adding features that will help them during their studies.	
High-Level Project Description: The goal for this project is to give students the easiest experiences possible by gathering all necessary features into one place. One of the most important features is 'remember me' which allows user to have their username entered automatically and securely and 'face ID' to make the password entry quicker, It will also add students schedules to the app organized the same way as the banner. Another feature will let students input a class number, to check if it is lab or a normal class. Similarly, another feature will enable users to select a floor number, showing which classes are occupied and which are empty. Since student social skills are an important part, the application will provide a section for students to input their interests, talents, and level, to help similar students to get to know each other. This feature will also be helpful for graduation projects. Also since clubs are an important part from university experience, the project will add a feature enabling students to select their college and view a list of available clubs, along with detailed information about each one.	
Project Boundaries: This project will focus on the PNU Students application only.	
Key Deliverables: -Remember me feature -Schedules feature -Check empty classes feature -Check class type -Student interest feature -Clubs feature	
High-Level Requirements: -	
Overall Project Risk: -System failure. -Data incompatibility -Increase student experience -Promoting participation in student clips -Resistance	

PROJECT CHARTER

Project objectives	Success criteria
--------------------	------------------

Scope:

enhancing existing application by adding useful features to improve user experience, including: 1-integration of 'remember me' feature to recall user password. 2-integration of schedules display feature in a user-friendly format to provide organized representation of student's classes. 3- integration of 'check empty classes' feature that enables students to check if specific class is empty or has lecture on it by checking the schedule of the class, this feature saves time when the student wants to use a class to study or meet in. 4-integration of 'check class' feature, this enables the student to check if the class is lab class or normal classroom by checking the class information from the department data base. 5- implementation of 'student interest' feature, this feature enables student to add their interest and skills then suggest other student's names and id to make student connection easier. 7-implemntation of 'clubs' feature that list all the college clubs and their information.	measure the user satisfaction through feedback and surveys aiming for minimum rating of 4 out of 5.
--	---

Time:

to deploy the enhanced application within 9 months and 15 days months of the project start date 10 Mar -2024 while meeting all the project deliverables.	Complete the project with no delay more than 25 Dec -2024
--	---

Cost:

To complete the project with the preapproved budget of 100 ,000 SR with success determined by staying on or under budget while meeting all the project deliverables.	Complete the project with no more than 15% deviation budget.
--	--

PROJECT SCOPE STATEMENT

Project title: NouraStu+

Date Prepared: 17-3-2024

Project scope description:

Our project aims to develop the Noura application for students, so that the student can enjoy an easy journey in searching within the application and dealing with the processes and services provided by the program and improving the speed of access to the required services.

Project Deliverables:

- 1-Improving the speed of searching within the application and the speed of service delivery response.
- 2-Improving the application interfaces so that they are easy and clear
- 3-Ease of verifying the student's identity

Product acceptance criteria:

Comparing the improved version with the previous version of the application, and if all the problems are resolved and a high percentage of satisfaction is achieved among the students, then the application is successful.

Project Exclusions:

It will not include improving fixed systems within the university administration

Project constraints:

- 1- 100.000 SR budget only
- 2- 9 months and 15 days to complete the project
- 3- It will not include improving fixed systems within the university administration

Project assumptions:

Users will interact with the new system and give me good feedback on it

Table 2. Project scope statement

WBS dictionary:

WBS item#	WBS item name	Work description
1.1.1	Identify objective	Determining and clearly defining the specific goals and aims of the project. This step involves articulating what the project is intended to achieve and setting measurable targets.
1.1.2	Project charter	This step will involve making the Project charter and signing it off.
1.2.1.1	Collect hardware requirements	The specific hardware needs are identified, documented, and validated. This step is crucial for ensuring that the project's technical infrastructure can support the planned software and operations.
1.2.1.2	Collect software requirements	Gathering and documenting all requirements related to the software aspects of the project. This includes defining what the software must do, the constraints it must operate within, and the expected outcomes.
1.2.1.3	Collect functional requirements	Gathering and documenting the specific functions and features that the software or system must perform to meet project objectives. These requirements define what the system should do, focusing on the user's needs and how they interact with the application.
1.2.1.4	Collect non-functional requirements	Gathering and documenting the specifications that describe how a system should operate, focusing

RACI:

task	project manager	project sponsor	customer	programmer	tester	analyst
identify objectives	R	C	C	I		C
project charter	R	C				I
collect requirments	A	C	C	I		R
design interface	C,I			R		C,A
design Data Base	C,I			R		C
develop new features	A,I		I	R		I
back end deveolpment	A,I			R		C
integration	C,I			R		A
unit test	I			I	R	
user acceptance testing	I	I	I	I	R	I

Risk register: [5]

No.	Rank	Risk	Description	Category	Root cause	Trigger	Potential responses	Risk owner	Prot Impact	Status	
R1	1	System failure(negative)	Due the pressure because of huge users the system won't be available most of time.	Technical risk	There are not enough servers.	The exponential growth in the number of users creates immense pressure on the system, resulting in limited availability and frequent downtime.	Risk transference: Shifting the consequence of a risk and responsibility to third party with a contract that they give us a servers.	Third party	High	High	Open
R2	2	Data incompatibilty(negative)	A mismatch or discrepancy may occur between the data displayed in NouraStu+ and official data from other sources, which may lead to an imbalance in the organization and management of study schedules and cause scheduling conflicts.	Technical risk	Integration failure: Different systems may be unable to interact and communicate smoothly due to incompatible data structures.	Incompatible data structures.	Risk mitigation: Establish a central management system: It may be useful to create a central management system that collects data from different sources and provides a unified interface to display the data in a compatible and unified manner.	Project manager	High	High	Open
R3	3	Increase student experience (positive)	The application can improve the student experience by providing a convenient and easy-to-use interface for accessing academic information, class schedules, and participating in university activities.	Human risk	Having everything a student needs in an easy-to-use application.	Ease of interfaces.	Risk acceptance: does not take any actions toward a risk just accepting it.	Development tea	High	High	Open
R4	4	Promoting participation in student clubs (positive)	By providing a list of available clubs and their details, the application can encourage students to participate in university clubs and activities and thus improve their university experience and develop their personal skills.	Human risk	Having everything a student needs in details.	Ease of interfaces.	Risk acceptance: does not take any actions toward a risk just accepting it. Risk mitigation: Providing technical support includes users who faces difficulties after the updates.	Development tea	High	High	Open
R5	5	Resistance (negative)	Users may not fully adopt to new changes.	Human risk	They are not accustomed to using the site after the updates.	New environment		Development tea	Low	Medium	Open

Figur 4. Risk register.