

# Term Project: University Process Automation App

## Objective:

Develop a comprehensive Software Requirements Specification (SRS) document for a mobile app designed to automate various university systems. This project will involve gathering requirements through multiple methodologies, creating preliminary design artifacts, and organizing the collected data into a structured document.

Each team will be assigned one system from the list provided and focus exclusively on that system for their project.

This term project constitutes **30% of the overall course grade.**

## Systems:

- Laundry System
- Medical Care System
- Cleaning System
- Canteen System
- Hall Management System
- Gardening System
- Security System
- Library Management System
- Mosque System
- University Entrance System

## Deliverables:

1. **SRS Document**
  - **Description:** A comprehensive Software Requirements Specification (SRS) document that includes a retrospective of the requirement gathering process and the artifacts developed.
  - **Sections to Include:**
    1. **Retrospective on Interviews:** Summarize the interview process, key insights, and how these influenced the project.
    2. **Personas:** Detailed descriptions of the user personas developed from interview data.
    3. **User Stories:** A prioritized list of user stories that outline what the users need to do with the app.

4. **Use Case Diagram:** Visual representation of all user interactions with the system.
5. **Data Flow Diagram (DFD):** Diagrams showing how data moves through the system for the defined use cases.
6. **Wireframes:** Annotated sketches of the app's user interface, showing layout and user interactions.
7. **Initial Product Backlog:** A prioritized list of all features and tasks identified as necessary for the app development.
- **Requirements:** The document must be thorough, well-organized, and **printed** for submission. It should clearly reflect the analysis and synthesis of the gathered data into a coherent set of system requirements.
2. **Videos of Conducted Interviews**
  - **Description:** Record videos of interviews with at least three key stakeholders, of which at least two must be non-students (e.g., staff, faculty, administrators).
  - **Requirements:** The interviews should cover needs, expectations, and current issues with the respective systems. Ensure the video captures the full discussion, highlighting key points and insights.
3. **Presentation Slides**
  - **Description:** A set of slides designed to present the findings and the proposed SRS to an audience, likely comprising classmates, instructors, and potentially project stakeholders.
  - **Requirements:** Slides should include summaries of the interviews, personas, user stories, use case diagrams, DFDs, wireframes, and the product backlog.

## Evaluation Criteria:

- Clarity, completeness, and professionalism of the interview process and retrospective.
- Accuracy and detail of the use case diagrams and DFDs.
- Relevance and thoroughness of user stories, personas, and wireframes.
- Strategic organization and prioritization of the product backlog.
- Quality of the final presentation and adherence to project objectives.

Team	ID	Assigned System
1	43	Laundry System
	35	
	33	
2	77	Transportation System
	75	
	73	
3	23	Cleaning System
	21	
	69	
4	59	Canteen System
	67	
	29	
5	15	University Entrance System
	17	
	37	
6	45	Gardening System
	51	
	41	
7	25	Security System
	7	
	31	
8	55(20)	Library Management System
	52(20)	
	11	
	63	
9	61	Mosque System
	55	
	65	
10	1	Hall Management System
	49	
	57	
	9	

Team	ID	Assigned System
1	14	Laundry System
	12	
	24	
2	6	Transportation System
	2	
	64	
3	40	Cleaning System
	72	
	70	
4	74	Canteen System
	68	
	76	
5	46	University Entrance System
	30	
	32	
6	52	Gardening System
	50	
	58	
7	22	Security System
	56	
	66	
8	8	Mosque System
	48	
	18	
9	62	Hall Management System
	26	
	16	
	28	
	36	