



Assignment -1

Name: Nusrat Jahan Chaiti

Student ID: 2023-1-60-255

Course Code: CSE 347

Course Name: Information System Analysis and Design

Section: 6

Semester: Spring 2025

Submitted to-

Md Sabbir Hossain

Lecturer

Department of Computer Science & Engineering

East West University

Stakeholders, Goals, and Functional Requirements:

Stakeholder	Goal	Functional Requirement
Students	Access real-time navigation to locate campus facilities	The system shall provide real-time navigation for classrooms, libraries, and cafeterias
	Book study rooms and reserve library seats	The system shall allow students to book and reserve seats in the library
	Receive notifications about campus events	The system shall send event notifications to registered users
	Provide feedback and request maintenance assistance	The system shall allow students to submit feedback and maintenance requests
Visitors	Explore the campus efficiently	The system shall provide guided tours with audio/text descriptions of landmarks
Campus Administrators	Monitor crowd movements and optimize space utilization	The system shall analyze traffic patterns and facility usage
	Manage digital signage, event notifications, and emergency alerts	The system shall allow administrators to update digital signage and alerts
	Configure and maintain IoT devices on campus	The system shall enable the management of smart attendance trackers, lighting, and climate control

Stakeholders, Goals, and Non-Functional Requirements:

Stakeholder	Goal	Non-Functional Requirement
Students	Fast and reliable access to services	The system shall have 100% uptime
	Secure personal information	The system shall implement data encryption for student accounts
Visitors	Easy access to tour services	The system shall load tour descriptions within 2 seconds
Campus Administrators	Efficient data processing	The system shall process and analyze crowd movement data within 5 seconds
	Secure administrative controls	The system shall restrict access to administrative functions only to authorized users