**Milestone 1**

**Functional Requirements**

1. FR001: Case Management (MUST)

- The system must allow recording and tracking of cases, including case details, updates, and status.

2. FR002: Officer Assignment (MUST)

- The system must enable the assignment of officers to specific cases or tasks.

3. FR004: Criminal Records Management (MUST)

- The system must maintain a database of criminals, past records, and ongoing investigations.

4. FR005: Incident Reporting (SHOULD)

- The system should allow officers to report incidents directly into the system in real time.

5. FR006: Duty Scheduling (MUST)

- The system must handle the scheduling of shifts and duty rosters for officers.

6. FR007: Admin Actions (MUST)

- Admins must be able to add, update, or delete records related to cases, officers, and complaints.

7. FR009: Citizen Feedback (COULD)

- Citizens could leave feedback about their experience interacting with the police station.

8. FR010: Inter-Station Communication (SHOULD)

- The system should enable communication between multiple police stations in the network.

**Non-Functional Requirements**

1. NFR001: Security (MUST)

- The system must ensure secure storage of sensitive information and comply with data protection regulations.

2. NFR002: Performance (SHOULD)

- The system should respond to user actions within 10 seconds.

3. NFR003: Scalability (SHOULD)

- The system should support up to 1000 active users at any given time.

4. NFR004: Usability (MUST)

- The system must be user-friendly for officers, admins, and citizens.

5. NFR007: Cross-Platform Compatibility (COULD)

- The system could support mobile platforms for on-field officer use.

**Use Case Scenarios**

UC001: Case Management

Actor:Admin/Officer

Description: Create and update cases with all related information (suspects, witnesses, evidence, etc.).

Pre-condition: The user is logged in with the appropriate permissions.

Post-condition: Case details are saved in the system.

UC002: Complaint Registration

Actor:Citizen

Description:A citizen registers a complaint through the online portal or at the police station.

Pre-condition:The citizen provides valid personal details and a description of the complaint.

Post-condition:The complaint is added to the database and assigned a case ID.

UC003: Officer Assignment

Actor:Admin

Description:Assign officers to specific cases or shifts.

Pre-condition: Officers are available in the database.

Post-condition: Assigned officers receive notifications about their tasks.

UC004: Criminal Records Management

Actor:Officer

Description: Search and update criminal records, including arrests, convictions, and ongoing investigations.

Pre-condition:The officer is logged in with appropriate permissions.

Post-condition: Records are updated or retrieved successfully.

UC005: Incident Reporting

Actor:Officer

Description: An officer logs an incident (e.g., robbery, accident) with relevant details, including location and involved individuals.

Pre-condition: The incident is reported in real time.

Post-condition:Incident details are saved and accessible to the station.

UC006: Duty Scheduling

Actor: Admin

Description: Create and manage duty schedules for officers.

Pre-condition: Officer availability is recorded in the system.

Post-condition: Duty schedules are generated and shared with officers

UC007: Citizen Feedback

Actor: Citizen

Description: A citizen submits feedback about their interaction with the police.

Pre-condition: Citizen’s identity and interaction are verified.

Post-condition: Feedback is recorded in the system.

Roles:

Admin=station general

User=citizents,officers

Citizen=people that have complaints