

2. System Requirement Analysis

2.1 Information Gathering

The Information Gathering process was an essential step in the development of the Smart Surveillance System. This process involved identifying the needs of stakeholders, understanding use cases, and determining the technical requirements for the system.

Stakeholder Identification

The first step in the Information Gathering process was to identify the stakeholders of the Smart Surveillance System. The stakeholders included:

- End-users of the system such as security personnel or law enforcement officials
- Owners or operators of the surveillance systems that were to be integrated with the Smart Surveillance System
- Developers or designers of the Smart Surveillance System
- Regulators or legal authorities responsible for overseeing surveillance operations

Use Case Analysis

Once the stakeholders were identified, the next step was to analyze the use cases of the Smart Surveillance System. Use cases included:

- Real-time monitoring of areas for security purposes
- Investigation of criminal activity using surveillance footage
- Traffic management and monitoring in public areas