➤ Industrial monitoring of machinery and equipment

➤ Environmental monitoring of wildlife or natural resources

Technical Requirements

The final step in the Information Gathering process was to determine the technical requirements for the Smart Surveillance System. These requirements included:

➤ Compatibility with different types of cameras and video management systems

➤ High accuracy and efficiency in motion detection and people tracking

➤ Low latency and high throughput for real-time monitoring and tracking

➤ Scalability for use in large-scale surveillance operations

➤ Security features to protect the privacy of monitored individuals

By completing the Information Gathering process, the requirements for the Smart Surveillance System were defined and documented in the Software Requirements Specification (SRS). This ensured that the system was developed to meet the needs of the stakeholders and was of high quality.

2.2 Feasiblity Study

The feasibility study for the Smart Surveillance System examines the technical, economic, and operational aspects of the project to determine its viability.

Technical Feasibility

The technical feasibility of the project refers to the ability of the system to perform its functions accurately and efficiently. Based on the information gathered during the Information Gathering process, the Smart Surveillance System is technically feasible. The use of advanced algorithms such as motion detection