Requirements Definition Document

Functional Requirements:

License Plate Detection	System must detect the presence and location of license plates within pictures, videos, and live camera feeds.

Letter and Number Reading	System must accurately recognize alphanumeric characters (letters A-Z and digits 0-9) commonly found on license plates.

Object Recognition	System must accurately detect cars in images, videos, and live camera feeds.

Non-Functional Requirements:

Real-Time Recognition	System must provide real time solutions for license plate recognition.

Reliability	Model must be able to identify 99% of license plates in our test.

Automated Detection	Automatically scans video frames or images for license plates without user intervention.

Data Collection	Images or video streams containing license plate images are collected by the system from a variety of sources. Using these data, the detection algorithms can be trained and improved.