Software Requirements Specification

* 1. Introduction

Purpose is to develop an automated test sheet grading system with mark recognition. Scope:

* Accepting images of filled answer sheets
* Recognizing marked options
* Comparing with answer keys
* Generating and displaying results

1. Overall Description

System Functions:

* + Image upload and processing
  + Mark recognition (computer vision)
  + Comparison with answer keys
  + Report generation (correct/incorrect answers)
  + Result logging

Users:

* Teachers (primary users)
* Administrators (answer key management)

1. Technical Requirements

Functional

* Supports JPEG/PNG
* Recognition accuracy ≥95%
* Simple answer storage (CSV/JSON)

Non-Functional

* Processing time <5 sec
* Low server requirements
* Basic error handling