Development of OCR-MARKSHEET

Abstract

This project is aimed at developing a OCR-MARKSHEET application for university. OCR-MARKSHEET is an android application that conveniently able to converting marks and student information, present on the front page of a mark sheet, into a structured table.

Functional components of the project

Following is list of functionalities of the system. Following three tasks can be performed with the application:

a) OCR integration: Recognize and extract text data from the marksheet(marks table and student information).
b) Data Conversion: Convert the extracted data into a structured table format, ensuring accuracy.

Use case scenarios

Admin:- Create the users and monitor them.

User:-
- **User Authentication:** Users (university administrators) log in securely to the OCR-MARKSHEET application.
- **Capture Marksheets:** Users use the device camera to capture images of mark sheets.
- **Data Verification:** Users review and verify the extracted data before conversion.

OCR Engine:-

- **OCR Processing: The application processes the images using OCR technology to extract marks and student information.**
- **Data Conversion: The application converts the data into a structured table format.**