

Problem Statement :

Domain : Artificial Intelligence

Title : A Novel Method for Handwritten Digit Recognition System

- Our University needs an automation tool to recognize digits in answer sheets to speed up the verification process which usually takes time with high accuracy.
- The verification process involves the COE(Controller of Examinations) to map the registration number of a student to their respective marks.
- Faculties need a data entry tool to reduce manual data entry errors and improve entry speed with high accuracy to reduce manual work and improve performance.

Problem :

- During times of evaluation of answer sheets ,Faculties find it very tedious to manually go through numerous answer sheets.
 - Manual data entry leads to delay in the overall evaluation process causing dissatisfaction. The department of COE(Controller of Examinations) does manual monitoring which is error prone and time consuming.
 - Integrating a digit recognition tool with image processing software leads to automatically mapping the candidates to their respective marks hence solving the problem at hand.

What would happen when it is fixed :

Business Model

- Speed up the evaluation process
- Reduce time consumption

Social impact

Elderly faculty with eyesight issues can utilise this app

Why is it important to fix this issue :

Automating these tasks removes the need for human effort which is error prone in performing these kinds of tedious works and improves speed as well as efficiency.