

PROBLEM STATEMENT

Date	27 September 2022
Team ID	PNT2022TMID10802
Project Name	A Novel Method for Handwritten Digit Recognition System
Maximum Marks	2 Marks

The objective is to transform the handwritten text into digital format and identify each component of the supplied sentence that was written by the user.

1) What is the primary focus of this issue??

- Recognition-driven segmentation is a capability of the generative models. Training for the procedure is relatively simple and quick because there are just a few parameters involved.

2) When does this occur?

- This problem arises when handwritten numbers are not consistently the same size, thickness, orientation, and validated to margins because they vary from individual to individual.

3) Why do we need this?

- By automating these processes, speed and efficiency are increased while avoiding the error-prone human labour that is required to carry out these types of repetitive operations.

4) How to do this?

- It can support variable scaling, translations, and a small amount of image rotation, compared to many other recognition techniques that rely on some kind of pre-normalization of input images.

5) Where it is used?

- The sorting of postal mail, processing of bank checks, and data entry on forms all employ the digit recognition technology.