Hand Writing Recognition

1. Project OverView

Handwritten character recognition has wide applications in office automation, cheque verification, and a large variety of banking, business and data entry applications. Nowadays, handwritten character recognition still posed a great challenge to researchers because of the feature of the handwritten characters themselves. Some of the difficult issues arises in the handwritten character recognition are the wide variety of writing style, handwritten characters shapes and the noise existed in the characters.

1. Problem Definition

Everyone has their own hand writing styles, everyone cannot understand each person handwriting. By using this method we are implementing to find characters of the word.

1. Scope

Pattern recognition is a set of mathematical, statistical and heuristic techniques used in executing `man-like' tasks on computers. Pattern recognition plays an important role in many applications such as document processing, robot vision, recognition of paintings, character recognition and other fields.

1. Objective

Automation of pattern recognition helps to speed up processing time as well as to automate processes without human intervention. Character recognition systems are a subset of pattern recognition. Characters can be in the handwritten or printed form. Handwriting recognition is defined as the task of transforming a language represented in its spatial form of graphical marks into its symbolic representation .