**PROBLEM FORMULATION**

Papers are swapped by advanced records for different reasons. Nonetheless, we actually observe a great deal of paper documentation in our everyday life. Machines don't be able to comprehend what has been composed on those actual papers. Changing transcribed characters over to advanced characters has been an extreme issue before and keeps on being. We can't productively handle those actual records with PCs except if we can change them over to advanced reports.

The manually written digits are not generally of a similar size, width, direction and advocated to edges as they contrast from composing of individual to individual, so the overall issue would be while arranging the digits because of the closeness between digits, for example, 1 and 7, 5 and 6, 3 and 8, 2 and 5, 2 and 7, and so on This issue is confronted more when numerous individuals compose a solitary digit with a wide range of penmanship styles. Finally, the uniqueness and assortment in the penmanship of various people likewise impact the development and presence of the digits.

.