Abstract

Now-a-days because of digitization, it is very important to have all the data in the form of soft copy so that it is easy to store and maintain. Often the handwritten documents are available, but again if we want to use the data written in that document then we need to type that data in any word processing software and then use it. This is very time consuming and tedious job. In this paper an attempt is made to automatically recognize numbers in the document by capturing images of that document. Till now emphasis is given only on recognizing digits or numbers from images. This methodology is implemented in automatic marks filling system. This system captures images of the tables in which marks are written by the teacher in the students’ answer book, recognize the numbers or marks from it and fill the same in appropriate database on the computer. The fundamental technique used here is Dynamic Time Warping (DTW). Although this technique is used for speech processing, this paper describes its exclusive use in number recognition from its images. The system is implemented and simulated in MATLAB.

References

Index Terms

Computer Science

Image Processing

Keywords
Image Processing, DTW Technique, Data Acquisition, Data Transformation, Number Recognition, Automatic Marks filling System.