V.S.B. ENGINEERING COLLEGE, KARUR

Department of Electronics and Communication Engineering

IBM NALAIYA THIRAN

IDEATION PROCESS

TITLE   : A NOVEL METHOD FOR HANDWRITTEN DIGIT

RECOGNITION SYSTEM

DOMAIN NAME   : Artificial Intelligence

LEADER NAME   : ANUSUYA R

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CUSTOMER JOURNEY

Customer Journey

Customer Feedback

Best thing is the accuracy its giving. Very essential for recognizing hand written digits and characters .The user experience is very good from customer point of view.

Consideration
Very good performance obtained can be obtained on digits such as those extracted from numeral amounts since a substitution rate of 0.06%

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Performance
The System performance is observed by varying the number of hidden units and number of iteration. The proposed system predicts the hand written digits with an overall accuracy of 99.32%.

Challenges
The issue is that there is a wide range of handwritting good and bad. This makes tricky for programmers to provide enough examples how every character might look. Sometimes, characters look very similar, making it hard for a computer to recognize accuratly

Retention
Task of handwritten digit recognition, using a classifier, has a great importance and use such as online handwritten recognition on computer table, recognize zip codes on mail for postal mail sorting, processing bank check accounts amounts, numeric entries in forms filled up by hand and so on.