V.S.B ENGINEERING COLLEGE, KARUR

DEPARTMENT OF INFORMATION TECHNOLOGY

IBM NALAYA THIRAN

EMPATHY MAP

TITLE NAME : A Novel Method for Handwritten Digit Recognition System

DOMAIN NAME : Artificial Intelligence(AI)

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PROBLEM STATEMENT:

The handwritten digit recognition is the capability of computer applications to recognize the human handwritten digits. It is a hard task for the machine because handwritten digits are not perfect and can be made with many different shapes and sizes. The handwritten digit recognition system is a way to takle this problem which uses the image of a digit and recognizes tge digit present in the image. Convolutional Neural Network model created using pyTorch library over the MNIST dataset to recognize handwritten digits. It is the capability of a computer to fete the mortal handwritten integers from different sources like images, papers, touch defences,ets and classify them into 10 predefined classes. In handwritten number recognition, we face numerous challenges, because of different styles of jotting of different peoples of it. The comparison between these algorithms is carried out on the base of their delivacy,crimes,and testing-training time collaborated by plots and maps that have been constructed using matplotlib for visulaization.

EMPATHY MAP

Empathy map for the Novel method for handwritten digit recognition system gives the detailed and cleared view about the knowledge of the people after they knowing about this technology and our project.