

ABSTRACT

Authorizing handwritten signature has always been a challenge to prevent illegal transactions, especially when the forged and the original signatures are very similar looking in nature. We aim to automate forged signature verification process, offline using adaptive resonance theory-2.

The reasons to choose this project:

The present form of signature is based on Geometrical and positional aspects hence the pixels position is fixed, over a period of time if the signature of a person changes due to various factors like the pen used to sign, the mood of the person when signing as well as the material on which the sign is made etc., due to this system may not be able to identify the signature accurately. Thus we are making use of a learning technique in which we periodically add the signatures of the person into the existing system here we make use of the neural networks approach specifically the ART-2 (adaptive resonance theory) which learns from the variations in patterns added in the system.