A NOVEL METHOD FOR HANDWRITTEN DIGIT RECOGNITION SYSTEM

WHAT DO THEY THINK AND FEEL?

FEATURE EXTRACTION

CLASSIFICATION OF DIGIT

PIXEL DETECTION

PREDICT IMAGE

GRABBING CHARACTER TO GRID

WHAT DO THEY HEAR?

RECOGNIZER Learning modules Testing data



WHAT DO THEY SAY AND DO?

PREPROCESS THE DATA

CREATE THE MODEL

TRAIN THE MODEL

CREATE GUI TO PREDICT THE DIGIT

WHAT DO THEY SEE?

STROKE IDENTIFICATION

RE-SAMPLING

ACQUISITION

PAINS

REQUIRES LARGE AMOUNT OF TRAINING DATA NOT GOOD FOR SYSTEM, LARGE VARIATION EXISTS IN HANDWRITING

GAINS

CLASSIFICATION TIME IS FAST POWERFUL HIGH LEVEL FEATURES