ANALYSIS REPORT

Module Description

1) Data Collection
   - Image dataset creation
2) Preprocessing
   - The image is cropped and adjusting is done using image interpolation.The image is smoothened.
3) Grey scale conversion
   - The image which contains the RGB values are converted into greyscale.
4) Edge detection
   - Points on the image where brightness changes sharply are identified.
5) Image segmentation
   - Image segmentation is performed to locate objects and boundaries (lines, curves etc.)in the image.
6) Feature extraction
   - The main features are extracted from the image.
7) Comparison
   - The characteristics of the resultant image are compared with a genuine image stored in the system.

Actors & Roles

User

- User can upload currency for checking if it is fake or real
- User can view the result (prediction-fake/real)