

Abstract Submission

Team Name: Tech Warrior

Theme: Open Innovation

Problem Statement

Bank handles large volumes of cheques in the clearing process. The process involves many technical verifications including signature verification. Some of these steps are manual and require human intervention to complete the process. The current process requires a high human capital deployment and longer processing time.

Solution

Using rule-based and AI/ML/ICR/ OCR (Optical Character Recognition) capabilities for automation and doing technical and signature verification of the cheques.

- Automation of the clearing process using AI/ML/ICR/OCR techniques
- Automatic Data Entry & Technical verification
- Signature Verification
- Reduce Human Efforts
- Reduce Processing time
- Detecting Potential Frauds

Technology Stack

- EJS (Template Engine)
- Front End (HTML,CSS, Bootstrap and jQuery)
- Back End (NodeJS, ExpressJS, MongoDB)
- OpenCV