

SCRIPTIFY

Abarnaswara R

Assistant Professor,CSE

PSNA College of Engineering and Technology, Dindigul, India

Somesh V,Shrihari R,Syed Safraj A,Suriya Prashath G

CSE,PSNA College of Engineering and Technology,Dindigul,India

ABSTRACT: Preserving historical and handwritten documents has become a challenge due to fading,language diversity, and the absence of digitization. Traditional OCR systems often fail to accurately recognize handwritten scripts and old texts,leading to data loss and inaccessibility. SCRIPTIFY is designed as an AI-Powered OCR solution to efficiently digitize,store,and translate these documents while ensuring their authenticity and readability.By leveraging deep learning techniques like Convolutional Neural Network(CNNs) and Recurrent Neural Network(RNNs),SCRIPTIFY enhances text recognition with high precision. preprocessing methods,including noise reduction and contrast enhancement, improve clarity before extraction.Extracted content is then organized and translated,making information more structured and accessible. To ensure scalability and easy retrieval,a cloud-based storage system is integrated,supporting seamless document management. Additionally, SCRIPTIFY provides an offline mode,allowing users in areas with limited internet connectivity to access stored records.

The project aims to create a robust and adaptable OCR system capable of handling complex scripts and regional languages.with its advanced AI-driven approach,SCRIPTIFY will contribute to cultural preservation,enhanced research accessibility,and improved archival management.