

# Cognitive Document Processing



## Impact



**Potential Savings 40%**

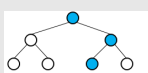


**Model Accuracy 80%**



**Documents processed per hour 12000+**

### Methods



Randomforest



Clustering



**Jenkins**

Jenkins Method



Gradient Boosting

## AI Processing Assistant for Assistant for Loan Document Processing

- Client wished to develop an artificial Intelligent Virtual Assistant which enables automated classification & extraction of content from scanned financial documents.
- This was aimed at eliminating manual dependency in Business Process Outsourcing for reviewing documents.
- Quantiphi developed an artificial intelligent virtual assistant (AIVA) which enables automated classification and extraction of content from scanned financial documents thereby removing manual dependency out of business process outsourcing.

## Challenges

- Processing of new loans is time consuming due to manual review documents and includes over 400 different document types.
- Volume and size of documents together with fluctuations make the traditional client server computing model cost prohibitive.
- Unstandardized, poor OCR quality & Disparate documents makes it difficult to extract content from scanned financial documents.

## Result

- Successfully digitized the processing of 12,000 pages per hour leading to a significant reduction in human effort required for manual extraction of data.
- Serverless architecture helped reduce infrastructure cost.