

nVizion Intelligent Document Processing (IDP)

powered by Microsoft Cloud and OpenAI



Introduction

nVizion Intelligent Document Processing platform is Lateetud's AI-powered data extraction solution providing touchless data digitization and automation for your organization's data extraction needs. Artificial Intelligence and Machine Learning helps us deliver this best-in-class solution to classify, extract and process data from various document formats. It offers a customizable design that enables the customer to optimize it for their custom needs.

Challenge

Enterprises receive a large number of documents in various formats that need to undergo manual sorting, data extraction, analysis, and processing before submission for taking of customer processes. Most of this process is also very repetitive and time consuming.

A list of typical documents includes:

Structured Formats

- Claims, Lab Requests, Enrollment Forms
- Tax Documents, W2
- ACORD
- Customer Specific Structured Forms

Semi Structured Documents

- Bank Statements, Financial Documents
- Prescription Forms, Pre-authorization requests
- Invoices
- Identity Documents – Driver's License, Passport, ID Cards
- Customer Specific Semi Structured Documents

Unstructured Formats

- Legal Contracts
- Medical Records – Discharge Summaries, Doctor's Notes etc.
- Emails
- Voice, Images

Lateetud identified a need to create an adaptive and scalable solution that intelligently extracts and processes documents in any format or structure. nVizion can automate up to 90% of data extraction time and effort.

Solution

Introducing nVizion – a touchless data digitization and automation solution, brought to you by Lateetud, to meet your data extraction needs. The Intelligent Document Processing solution accepts files in any format, structure, or order.

The process flow is structured into 5 stages:





➤ **Processing:**

nVizion supports data intake through an omni-channel approach including Email, FTP, Chat, Web Apps, Mobile Apps and Scanners. It also accepts documents that are bunched together or are single files.

➤ **Classification:**

nVizion analyses the incoming data and categorizes it based on formats, source, and structure. It has the capability to read formats, classify documents and store them in document management system. It uses AI powered model to classify and tag document for efficient search, storage, and further processing. It also separates multiple or bunched documents into separate files.

➤ **Extraction:**

Field level extraction of data is carried out at this stage. Data extraction can be carried out on fixed, varying, unstructured and structured data. Post extraction, a field-level confidence score is assigned to allow the user to take better decisions on the extracted data. nVizion also uses OpenAI to leverage Natural Language Processing and AI capability to extract unstructured content more efficiently and effectively.

➤ **Review:**

In this stage, the extracted data is checked for completeness and accuracy. A user friendly interface is provided to the end-user to review, validate and approve data extraction results. At this stage the solution can be customized to bring other data elements from external systems to process business rules. It then passes through customized business rules that are defined by the user based on your business needs.

➤ **Submission**

nVizion submits the final data output to your internal systems via API or Robotic Process Automation or can initiate workflows based on document classification.

nVizion is a touchless automated system. In case of exceptions, a human worker can be introduced into the system and nVizion carries out a workflow orchestration of the entire business process. nVizion operates entirely on cloud or as an on-premise application.



Features

- Type of Data - Extracts data from structured or unstructured documents
- Formats - Works with multiple formats like PDF, Images, Voice etc.
- Scalability – Scales to handle volume and complexity using cloud and workflow
- Extensibility- Extends with customized workflows using workflow capabilities
- Integration – Integrates with internal and external systems using API and Robotic Process Automation
- Artificial Intelligence– Uses AI and Machine Learning capabilities. Also uses OpenAI for Natural Language Processing to extract unstructured information
- Document Management Readiness– Provides inbuilt document management system or can integrate with leading document management systems
- Analytics and Dashboards – Provides capability to create custom dashboards and analytics on extraction processes and data

Benefits

The benefits of nVizion are





Conclusion

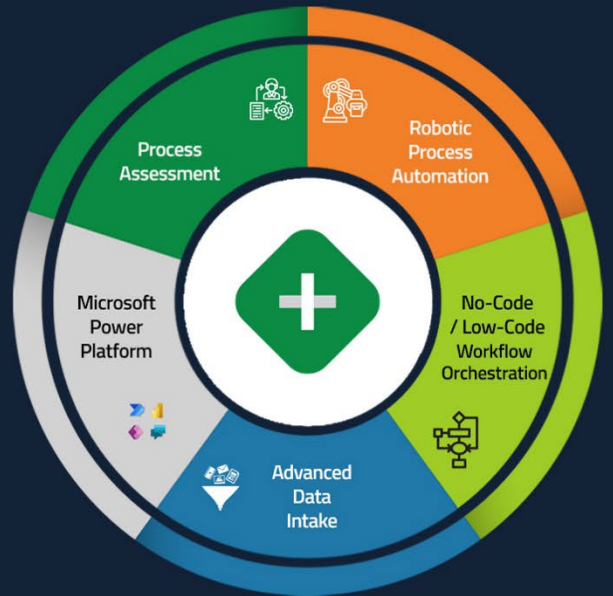
nVizion Intelligent Document Processing is the best-in-market touchless data extraction and digitization solution for your document processing needs. Users can define business rules for data processing based on changing business requirements of your organization. The solution, powered by artificial intelligence, is designed to have an adaptive and customizable model to automate up to 90% of the data extraction process.

About Lateetud

Lateetud is a global award-winning Intelligent Process Automation company. Lateetud is focused on providing Intelligent Automation solutions to healthcare and banking industry to automate customer onboarding, operations and customer support functions. The company provides software, solutions, and implementation for Low-Code Robotic Process Automation (RPA), Work Flow, and Data Extraction technologies - often fueled with cognitive capabilities such as natural language processing and machine learning. Implementation services include architecture setup, training, deployment and governance best practices, and shoulder-to-shoulder automation modeling.

For more information, please visit: www.lateetud.com.

Partners



Washington DC

Canada

India

