Data is the backbone of every organization’s workflow. This is because it facilitates growth, improves business processes, and ultimately helps to make sales. However, the need to cut costs, comply with regulations and meet increasing customer demand is putting more and more pressure on the business processes that rely heavily on data and information. This is particularly true when it comes to dealing with unstructured data trapped inside documents, images, PDFs, and emails.

So how do you keep on top of extracting, classifying, and using this data without overworking your employees and running the risk of errors?

IDD product enables converting both unstructured and semi-structured information from documents such as emails and images into structured, usable information which can be used for creating better insights and processes.

**How Does It Work?**

- **Incoming Document**
  - Auto crop, noise reduction
  - Computer vision & OCR

- **Pre-Extraction**
  - Image preprocessing
  - Data Capture

- **IDP Solution**
  - Indexing & Classification
  - Text mining
  - Machine deep learning

- **Extraction**
  - Extraction of relevant data
  - NLP
  - Machine deep learning

- **Post Extraction**
  - Data Validation
  - Business validation rule

- **Integrated Apps**
  - ERP, CRM, SAP, Legacy systems
  - Robotic process Automation (RPA)
  - Feeds output (structured data) into down stream application
  - Generates report on processed data for human verification
Benefits

Empower business users to automate any business process that involves documents. Extract information from any paper document automatically to enable end-to-end business process automation.

- Integrated tool - easy to set up, 5-10x faster than other approaches
- AI-driven IDD + RPA improves straight-through processing (STP) via model training and human feedback
- Accelerates digital transformation – handles physical, scanned, printed, handwritten - structured and unstructured documents formats
- High data extraction accuracy with spot corrections feeding into future processing
- Reports and Dashboard to generate inferences and business insights through data extracted from documents with ease

Features

- This tool can be utilized to convert paper-based documents into digital file formats (Microsoft Word, Excel etc.) enabling full text search
- Extract the information as per business needs required for further processing from printed as well handwritten text
- Store and organize documents for easy retrieval or archiving and automate record retention requirements compliance
- Digitize business Processes involving barcodes, manifests, Bills & invoices, receipts, KYC Documents or any other paper document
- Collate data from different documents into structured source for further processing as per business needs
- Define business rules and drive inferences from the extracted data as per customer needs for decision making