Intelligent Data Extraction from Forms

What is Intelligent Data Extraction from Forms?

Intelligent data extraction from forms is provided by several software packages that are designed to capture data from not just from one type of form, but from several. Intelligent data extraction from forms software has many different OCR technologies which enable it to handle any type of forms. Some of these include optical character recognition technology to capture printed information from forms, intelligent character recognition (ICR) technology to capture handwriting and optical mark recognition (OMR) technology to capture data present in checkboxes. Such intelligent data extraction from forms software packages also have several algorithms based on artificial intelligence, and these in turn make the job of data capture easier and provide superior accuracy rates. Using intelligent data extraction from forms software means that regardless of whether the form or a document is unstructured, semi structured, structured or flexibly structured data can be extracted from them accurately.

Form Structure and How Intelligent Data Extraction from Forms

Forms can have a variety of structures and their structure is what determines the kind of software used during the data extraction process. For several decades, software was created to handle data extraction from one particular type of form such as invoices. In such cases, software were built to only extract important invoice information such as invoice number, invoice date, invoice amount and purchase order number. All other information deemed unnecessary to the processing of invoices was ignored. In the case of forms such as questionnaires software was created to extract data from this type of form and nothing else.

Intelligent data extraction from forms changed all this and enables extraction of data regardless of the structure present in forms and can even handle data capture from any document type.

Accuracy of Intelligent Data Extraction from Forms

Improved accuracy rates are guaranteed by intelligent data extraction from forms as such software packages have advanced voting technologies. These technologies can also improve the speed at which such software are able to capture data, which make it ideal for processing batches of documents, especially those that have no set structure.