BROCHURE

iScan

Intelligent Document Assistant

Introduction

In today's fast-paced, data-driven landscape, organizations are inundated with vast amounts of unstructured data, ranging from tables and images to intricate plots embedded in documents. Extracting actionable insights from such data is essential for making informed decisions. Yet, traditional methods often fall short—they're time-intensive, error-prone, and lack the precision required for modern analytics. Addressing these challenges requires an intelligent, dynamic, and efficient approach to transform unstructured data into structured, analyzable formats.
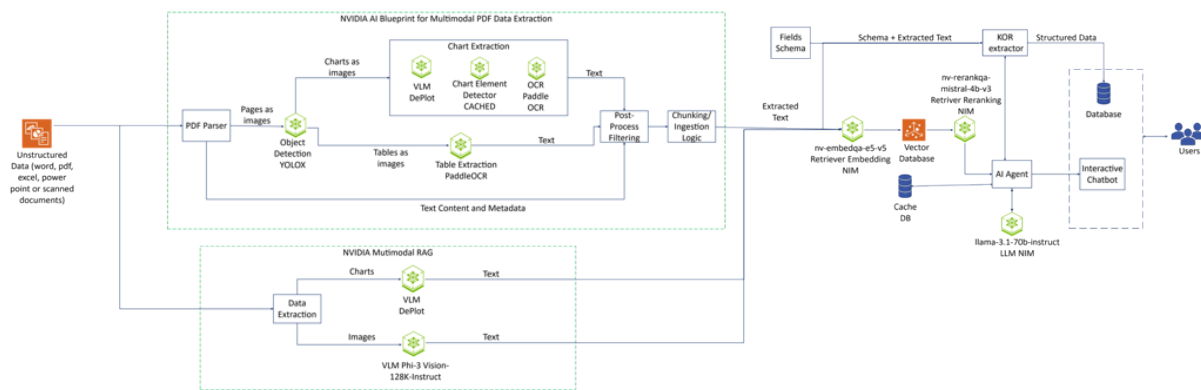
Problem Statement

Organizations face significant hurdles in processing and analyzing unstructured data. Traditional tools and techniques are ill-equipped to handle the complexity of diverse data types like tables, images, and plots embedded within documents. The inefficiency and lack of precision in current methods hinder the ability to derive valuable insights quickly, impacting data accessibility and decision-making accuracy. A robust,

Solution

iScan: Intelligent Document Assistant offers a transformative approach to processing unstructured data by leveraging Retrieval-Augmented Generation (RAG) and advanced technologies. This innovative solution dynamically converts unstructured data into structured formats, making it suitable for detailed analytics. Integrated with NVIDIA AI Enterprise tools, NVIDIA AI Blueprint for Multimodal PDF Data Extraction

iScan ensures high-performance data processing and seamless interactivity, providing actionable insights for enhanced decision-making.

NVIDIA AI Enterprise Tools

NVIDIA NIM   RIVA   NEMO   TensorRT   NeMo Guardrails   NVIDIA NGC

Capabilities

iScan delivers a comprehensive suite of features to address the challenges of unstructured data processing:

01 Utilizes RAG and advanced processing techniques to efficiently respond to queries derived from unstructured data.

02 Converts unstructured data into structured formats, enabling comprehensive analytics and insights.

03 Creates embeddings for complex data like tables, images, and plots, ensuring precise analysis.

04 Implements caching to minimize repeated calls to Large Language Models (LLMs), improving efficiency and reducing costs.

05 Extracts critical data from documents and stores it in a structured format in MongoDB, ready for analysis.

06 Integrates NVIDIA AI Blueprint for Multimodal PDF Data Extraction, NVIDIA AI technologies, including various models from NVIDIA NIM, for interactive processing.

Value

The solution provides significant value across multiple dimensions, enabling organizations to maximize the utility of their data:

Seamlessly transforms unstructured data into structured formats, ensuring critical information is easily accessible.

Delivers accurate, precise data insights to enable better-informed decisions.

Reduces operational expenses by minimizing repeated data calls and eliminating manual processing bottlenecks.

Utilizes modern NVIDIA AI tools and models for superior performance. Ensures the solution is responsive and continuously evolving to meet user needs.
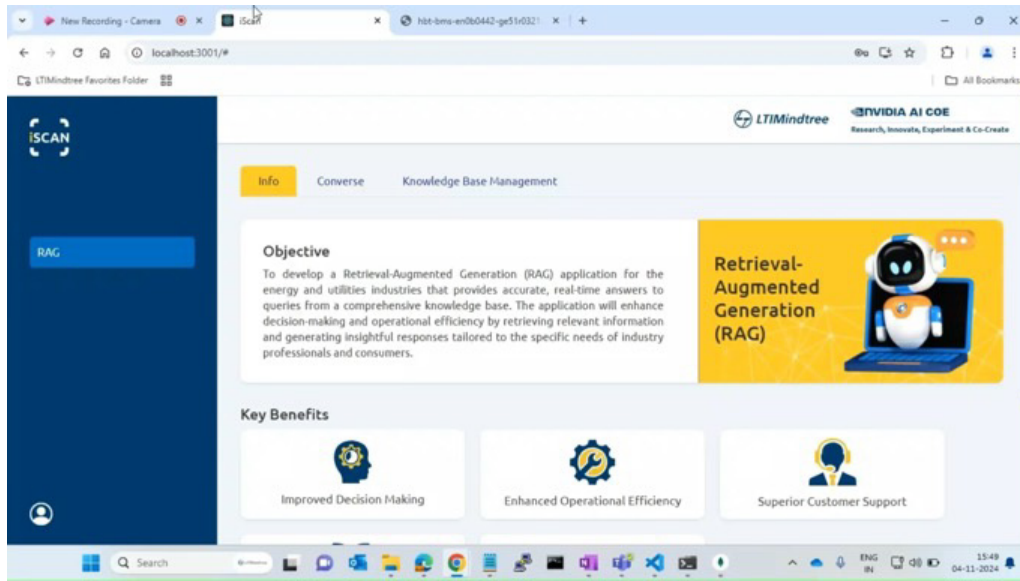
Automates data processing tasks, freeing teams to focus on high-value strategic tasks.
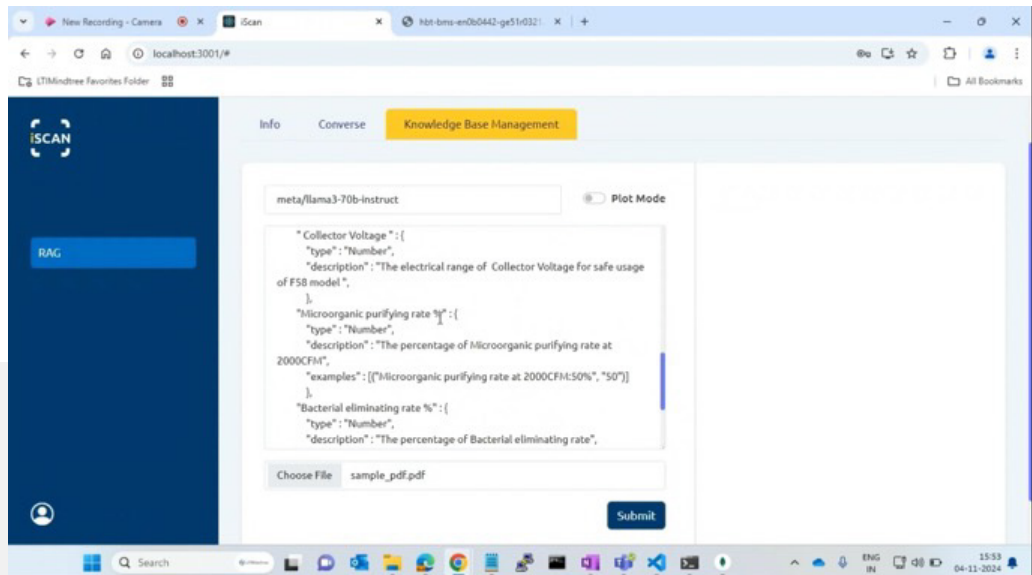
Facilitates the integration of diverse data sources into a unified, structured repository, supporting in-depth analysis.
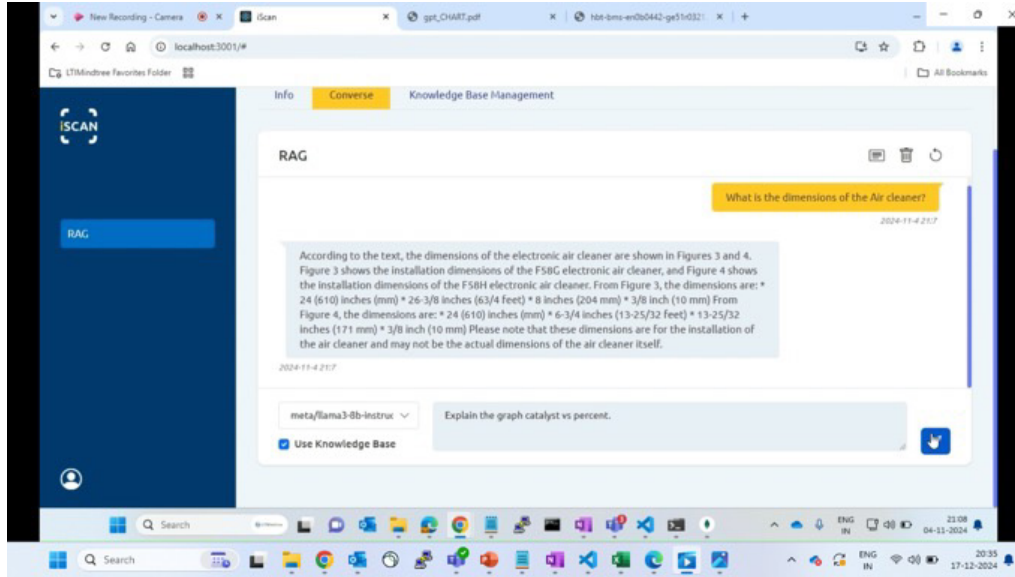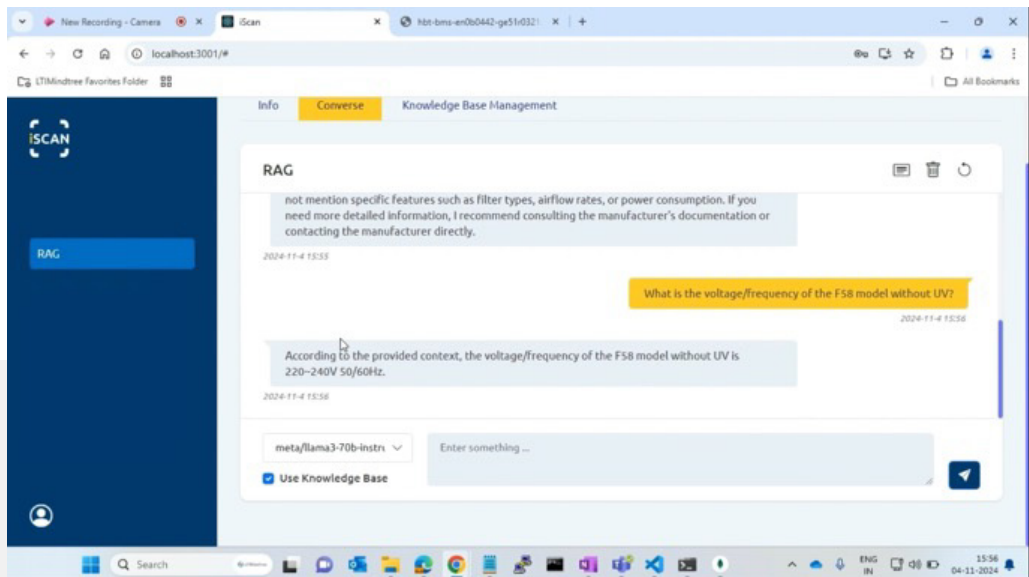
Screenshots

01

02

03

04

LTIMindtree is a global technology consulting and digital solutions company that enables enterprises across industries to reimagine business models, accelerate innovation, and maximize growth by harnessing digital technologies. As a digital transformation partner to more than 700 clients, LTIMindtree brings extensive domain and technology expertise to help drive superior competitive differentiation, customer experiences, and business outcomes in a converging world. Powered by 86,000+ talented and entrepreneurial professionals across more than 40 countries, LTIMindtree — a Larsen & Toubro Group company — solves the most complex business challenges and delivers transformation at scale. For more information, please visit **https://www.ltimindtree.com/**