LTIMindtree

Case Study

AI-Powered Re-Calibration of R&D Portfolio for US-Based Medical Devices Manufacturer

Client

The client is a US-based multinational, and Fortune 500 company that deals with medical devices and pharmaceuticals

Our Experience

LTIMindtree helped a global pharmaceutical company accelerate the data-to-decisions journey with an Artificial Intelligence (AI)-powered automation solution. LTIMindtree's Leni helped combine the power of Natural Language Processing (NLP), Machine Learning (ML), and data visualization to de-risk clinical trials by providing accurate analysis, reliable project simulations, and autonomous tracking of critical Key Performance Indicators (KPI).

Challenges

- Highly manual and repetitive process for project planning and monitoring of clinical trials.
- Lacked standardized benchmarking practices.
- Inability to gauge the probability of success for ongoing and new clinical studies.

LTIMindtree Solution

- Provided visual LTIMindtree synopsis of a project's details by monitoring critical KPIs.
- Enabled ad-hoc querying capabilities using NLP-based searches to identify project risks.
- Leveraged Monte Carlo simulations to forecast timelines, cost, and budget.

Business Benefits

Saved about 190 person-month efforts to analyze existing portfolios in a year.

Saved about ten person-month efforts to set up new projects in a year.

50% increase in user adoption.

Improved the consistency in planning new clinical studies.