

Process Flow

Overview: The solution streamlines the process of identification, and extraction from unstructured data across multiple formats and modalities. It reduces cycle time, enhances decision-making, and enables dynamic research tailored to capital market needs. It ensures quick identification of queries, retrieval of relevant resources, validation of data points, extraction, and generation of actionable insights.

1. View Module

Purpose: Display of portfolio view of 4-5 companies with relevant metrics.

Process Steps: Identification of relevant data related to companies. Retrieve company-specific data from documents. Compare metrics such as Growth Rate, Revenue, Net Profit Margin, ROE, ROA, Market Cap, Price to Earnings Ratio, EPS, and GHG Emissions.

The data is displayed in a structured portfolio view to assess each company's contribution to the overall portfolio. The user will get to see the metrics for individual companies to compare and configure.

Output: Portfolio dashboard with comparative insights.

Example: - A comparison chart with performance indicators and measurements for all of the portfolio companies.

Reliance has major contributes of total portfolio revenue.

Castrol India has the least GHG emissions.

2. Discover Module

Purpose: Intelligent document search for potential ADD into the portfolio. Retrieve and rank relevant documents based on an initial query.

Process Steps: Input an initial query related to a company development, market trends or a metric. Search through different documents associated with the query. The results are ranked in relevant manner based on relevance noting. The UI will present a structured list of Highly relevant to less relevant documents.

Output: Ranked list of relevant company documents.

Example “Renewable energy initiatives in Reliance Industries.”

Results:

- I. Reliance Sustainability Report 2023.
- II. Reliance Annual Report 2023.
- III. Reliance earning call transcript 2023 (Lower relevance).

3. Extract Module

Purpose: The module extracts key metrics and measures from unstructured pdf documents of all the companies in the portfolio and presents them in a structured table. To type in a query and the model will extract relevant data from varied internal and external data sources including company published reports and third-party analysis.

Process Steps: To input company-specific query which is a potential ADD from shortlisting. Extracting key financial and sustainability metrics. Present the extracted data for cross-company comparison.

Output: Structured table view of extracted company metrics.

4. Analyze Module

Purpose: After selecting a specific company from the analysis pane, accomplish an in-depth Q&A-based inspection of the selected organisation. The Analyse module delves deeper into the firm data and may offer facts on a variety of queries, not only financial information.

Process Steps: Select a company for deeper analysis. Retrieve multiple documents published by the company. Conduct Q&A-based analysis across various aspects (financial performance, sustainability, strategy, risks, etc.). Provide insights based on extracted and analyzed data.

Output: Comprehensive analysis and insights into a specific company.

Example: - How is IOCL addressing ESG risks compared to HPCL?

-> IOCL reduced emissions by 15% in 2023 via carbon capture, while HPCL invested INR 500 Cr in biodiesel. IOCL has stricter ESG targets for 2025.

5. Report Module

Purpose: Generate a visual representation of portfolio changes and allocations based on previous modules.

Process Steps: User inputs a question related to the portfolio. System retrieves and processes relevant data. Generate a dynamic chart depicting changes in allocation or performance. Provide a summary explaining the insights derived from the chart.

Output: Portfolio allocation chart with an explanatory summary.

Example: - Show allocation of companies by Market Cap

Pie chart or bar chart showing allocations of each company towards the portfolio.