

VISIONET

Visionet's Forecasting Solution – A Catalyst for AI-Powered Forecasting



Modernize your Forecasting using AI & External Signals

Visionet's Forecasting Solution brings AI, decision science and app platform to enable business forecasting teams to leverage advanced AI in their forecasting process using no-code analytical apps, collaboration fabric for agile forecasting and ease of customization for unique business requirements. It delivers accurate forecasts irrespective of the category and the chosen time horizon with little AI knowledge requirement.



Revolutionizing the process of Business Forecasting with Data Science and Artificial Intelligence

At Visionet, we believe in the power of data science and AI to drive data-driven forecasting decisions. Our solution is a modular and scalable forecasting platform that can be tailored to the specific needs of each business function.

Visionet's AI Forecasting Platform

provides an analytical app engine that allows business analysts and data scientists a no-code capability to spin up forecasting apps. Such apps are customized by business users using available templates and case-specific customizations through no-code workflows. These apps, that are nimble and agile, encourage collaboration, and are as easy to share as any other document is. It offers the benefits of AI on a secure infrastructure and allows users to create powerful pipelines

with access to hundreds of datasets containing millions of data points. Our repertoire of advanced algorithms is battle tested and honed through years of experience of providing our clients with top notch business forecasting services.

The forecasting apps provide the capability to evaluate forecasts, override forecasts and comment on the forecast trends as well as capture the final acceptance verdict from executives. These apps also provide the functionality to propagate forecast decisions across the operational chain of command. The forecasting apps are powered by pre-tuned optimized AI algorithms that are baked as forecasting templates into the apps. There is also AI available for tuning and customizing forecasting algorithms based on certain data and time horizon scenarios. For instance, whether your business requires a decision on 52 weeks of demand forecast or in another scenario

the requirement is to project the sales of a product for the coming 5 years -- AI model selection algorithm will come up with the best forecasting model for the given scenario. The forecasting apps have rich visualization and dashboarding options to draw a clear picture of the forecast. Key observability features like shifting grids, and visualizing information at monthly, quarterly, or yearly grain, visualizing external market variables along with the forecasted sales to better understand it, are crucial for forecast acceptance.



Maximizing Business Accuracy with Bespoke Forecasting Solutions across Business Functions

The Visionet's AI-based Forecasting Platform is a comprehensive solution that is well-suited for a wide range of industries. Whether a business is looking to stay ahead of the competition, drive growth, or meet ever-increasing customer demands, our platform is designed to help them succeed.

Inventory & Demand Planning

Optimize stock levels and meet customer demand through effective inventory & demand planning.

Merchandizing & Category Planning

Boost sales and enhance customer experience through data-driven merchandizing & category planning.

Sales Planning

Drive sales growth with AI-based sales planning that predicts future trends and customer behavior.

Discount Planning & Pricing Optimization

Optimize pricing and increase revenue with AI-powered discount planning & pricing optimization.

Manufacturing, Production & Raw Material Planning

Improve efficiency, reduce costs and increase output with AI-optimized manufacturing, production & raw material planning.

Ad Spend Optimization

Maximize advertising ROI with Ad Spend Optimization that uses data and machine learning to inform budget decisions.

Key Features

Cutting edge AI based forecasting:

Our AI models uncover patterns, detects quarterly trends and seasonality over months and weeks, and understands the correlation of forecast and external market signals. The AI model configurations for each forecast category are chosen by another AI metaheuristic.

Robustness against unforeseen crises:

The crises modelling helped our customers to forecast in the face of pandemic with higher agility and accuracy. The platform uses data science techniques to model the impact of crises on business closures and hence increase forecast accuracy. Evolving external datasets like retail mobility, Google trends of retail products, Macroeconomic indicators guide instantaneous forecast corrections for crises modelling.

Access to 100s of external indicators:

The data platform comes with pre-curated and harmonized external datasets most of which are opensource. Our self-service data engineering workflows help business analysts to access those external datasets using source specific customized templates.

Dynamic self-service UI and dashboards:

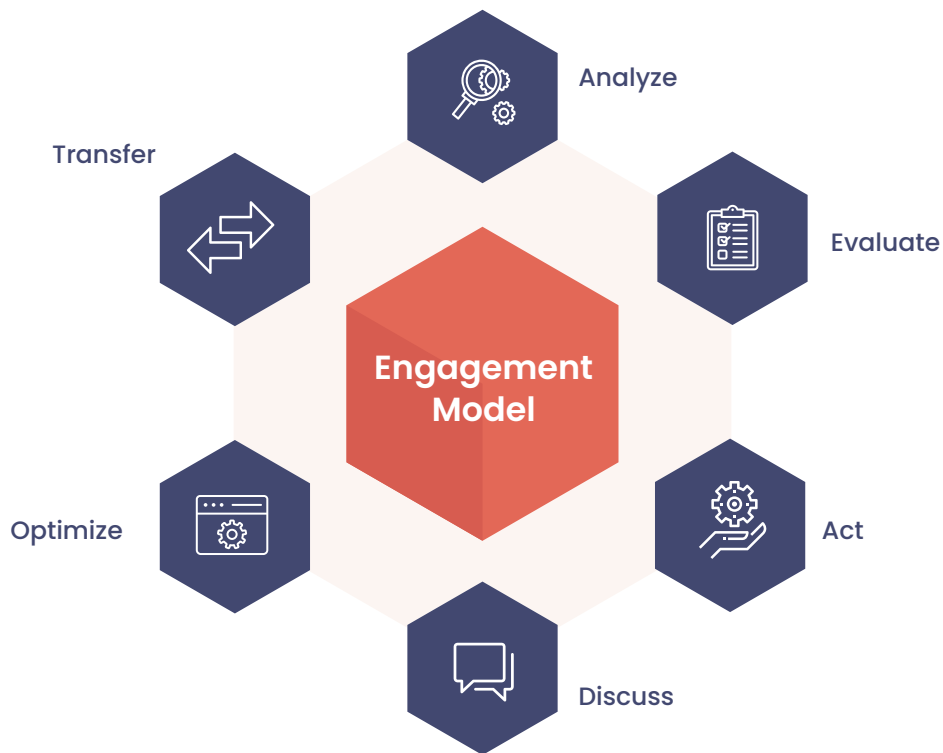
The platform's analytical app customization capability brings tremendous choice and flexibility in the hands of business analysts. In order to customize dashboards according to the audience, all analysts have to do is to drag and drop dashboard components and storyboard their insights for review meeting.

Collaborative apps to finalize the forecast:

Our AI driven forecast is collaboratively accessible to analysts and stakeholders where they can annotate trends, comment on time horizons and actual forecasts or override the forecast value using their own username. The eventual forecast decision is persisted and moved to the planning app for downstream operational tactics.

Consulting-led Engagement Model

A successful AI forecasting platform requires detailed ideation and implementation planning from both stakeholders i.e., business users and Visionet's forecasting platform Consultants. The engagement phases of the two parties can be classified into the following items:



Evaluate:

Evaluation of the scope of platform implementation, customization steps needed to migrate the data, and any additional effort needed for straightening the available datasets that require customization.



Act:

Preparation of the platform for initial use and data migration. Generate insights to enable the business team to better understand different patterns in their data, access a 360-degree view of their business and understand the behavior of external factors.



Discuss:

The forecast results go into the discussion and revision phase between both the Visionet and the client teams.



Optimize:

Based on the inputs, Visionet consultants will incorporate optimizations into the forecasting workflow to improve quality and accuracy.



Analyze:

Deciding the objectives of the implementation deliverables, analytics, and the required nature of collaboration.



Transfer:

After the completion of a decided period the platform is transferred to the client's business team.

About Visionet

Visionet is an engineering-led company driven by innovation. In our journey of 27+ years, we've helped over 350 clients across various industries to innovate faster, remain relevant, and build better products and services. With more than 8,000 people worldwide, across our 14 locations, Visionet provides transformational consulting, technology, and outsourcing services and solutions for a broad range of industries.

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