

Unique Value Propositions

DeltaTech Labs

For every customer/ business that shops from you, these is how we can create value for your company :

Prebuilt features :

The following features come included in your purchase of our analytics suite for retail :

1. What is the optimal set of routes for your fleet of vehicles to traverse in order to deliver to a given set of customers?
 - a. Time optimization.
 - b. Cost optimization in terms of fuel and manpower.
 - c. Risk reduction under risk sensitive situations.

2. Quantifying significant processes, parts, and other resources in order to optimize production, to identify bottlenecks, and to anticipate needs and completed goods. Using these factory activity predictions, our system's accuracy and viability dramatically affect profitability.
 - a. Only key elements that have proven their control effectivity, such as :
 - i. Forecast demand
 - ii. Production costs
 - iii. Inventory costs
 - iv. Lead time
 - v. Working hours and capacity,
 - vi. Inventory levels and available storage
 - vii. Parts supply.
 - b. Add custom parameters for optimizations.

Note : All above elements include market standards specific subsets including :

1. Silver Meal Heuristic : Determining production quantities to meet the requirement of operations at minimum cost.
2. Fixed Order Quantity
3. Periodic Order Quantity.

Additional Custom Features :

1. Inventory tracking with the help of live analytics
2. Just in time supply chain analytics and methods
 - a. Makes sure you have the right products at the right place (automatically)
 - b. Analytics help you make decisions (manually)
3. Optimization in the inventory on the basis of the purchase data
 - a. On the basis of the following data points :
 - i. Real Time Data
 - ii. Historical Data
 - iii. Online Sales (if any)
 - iv. Offline Sales (if any)
 - b. Allows prediction of inventory needs in real time
 - c. Tracks upticks in the sales of certain products.
 - i. System recommends product replacement on the basis of prominence.
 - ii. System recommends you to find better products if a product does badly.
4. Detecting patterns in the data (Financial, Marketing and Visual)

Ambient Intelligence :

- 1.) Detect walking patterns and the gaze of customers.
 - a.) To be able to analyze customer interest in different products.
 - b.) To help restructure store layouts on the basis of the analysis.
 - c.) Test new products in locations with high foot traffic and gaze.
- 2.) Demographic analysis :
 - a.) Suggest what demographics (age, sex) visits your store and to be able to reconfigure according to their needs.
- 3.) Automated robots :
 - a.) Automatic Checkouts
 - b.) Conversational agents
 - i.) Suggest products
 - ii.) Answers questions
 - c.) Staff Member activity tracking
 - i.) Monitor working hours.
 - ii.) Monitor customer engagement
- 4.) Theft detection : Tag suspicious behaviour automatically on the basis of:
 - a.) Pre-existing cameras and security systems.
 - b.) Face detection, in case of likelihood.
- 5.) Custom Computer Vision Applications :
 - a.) Fashion oriented : Show how a customer would look in a certain outfit.
 - b.) Sport oriented : Check the fitting of different sport products on the basis of the size.

Resulting in optimizations in :

- 1.) Product Stocking
- 2.) Product Placement
- 3.) Analytics
- 4.) Marketing

Costs :

Subscription based model with a one time Development and Deployment cost :

Quotes available on request.

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