Inventory and Marketing Management using AI

### Deadline:

28/5/2024

### INVENTORY Management:

* Products Demand Forecasting
  + Help the company\shop to determine its needs from each product based on seasonality trends, demand, and market research either by manufacturing or buying it to maximize its profit.
* Supply Chain Optimization:
  + It optimizes supply networks by fine-tuning shipping routes, warehouse placements, stock movements, and other variables, resulting in lower costs.it can determine the optimal routes, warehousing locations. It offers adaptable order methods based on real-time data, ensuring a seamless transition from manufacturers to customers.
* Dynamic Products Pricing
  + Based on previous purchases and demand for the products it can determine the best price for each product.

## Marketing:

* Customer Emotions Analysis:
  + track the social media feedback on the products and brand if it is positive or negative.
* Social Media Content and Advertisement Generation:
  + generating blogs for blog and posts on social media based on previous media post, previous post customer’s interactions and the competitors posts.
* Marketing Designs Generation:
  + generate images specified for the company to use in marketing or upcoming post.

### Customer:

* Customer Churn Prediction:
  + Predict which customers will likely stop purchasing from the company and their numbers. Based on previous consumers' decision to stop purchasing from the brand, as well as customer feedback, the corporation can assess whether a critical decision must be made.
* Customer Personalized Experience:
  + Personalize the customer’s experience based on their previous purchases and by tracking his shopping behavior.

**AI & Data Management Ideas for Real Estate**

**Deadline:**

Tuesday, May 21, 2024

**Ideas overview:**

* Dynamic pricing
  + The model will help the company determine the prices of the units based on multiple factors (old units selling data, current market, etc.)
* Customer service assistant
  + A whole system that gets the data from the customer service agent and recommends the most suitable clients first for this purchase while informing them key selling points to help them get more interactions from their calls and the client’s attention.
  + This system attacks a clearly visible problem in the real estate industry, we can often see messages sent and calls offering a unit that is totally unrelatable to the client.
* Augmented reality
  + Using augmented reality for a whole compound that hasn’t been built yet to allow investors to imagine what they are getting.
  + This will be a good replacement for the mockup videos and architecture maquette.
* Chatbot Customer recommendations system
  + This will help the company provide support and answer customers’ questions about their units and services.