

OPTIMIZED WAREHOUSE MANAGEMENT OF GOODS

PROJECT SCOPE & SCHEDULE

PROJECT SCOPE:

The goal of the project is to provide a Warehouse Management system that can help them by predicting the goods required, so that there is no shortage of goods in the warehouse for the upcoming weeks/month which also increases their profit significantly and helps to analyse their growth in the environment as well as their market growth.

All the existing warehouse models are only used to manage the goods that are already present there and they are not capable to predict the amount of goods that will be required. This will be a huge advantage and uniqueness of our solution model which can predict with the help of machine learning algorithms.

PROJECT SCHEDULE:

Our model was developed in the following schedule:

June 16th, 2020 - Determining the project scope and completing the project schedule for developing the machine learning model.

Completed on: June 17th, 2020.

June 17th, 2020 - Assigning work to every member of the team.

Completed on: June 17th, 2020.

June 18th, 2020 - Getting Started with Node-Red application.

Completed on: June 18th, 2020.

June 19th, 2020 - Exploring the IBM Watson Studio.

Completed on: June 19th, 2020.

June 20th, 2020 - Exploring the Machine Learning service and creating a demo model to understand the concepts.

Completed on: June 20th, 2020.

June 21th, 2020 - Learning the courses to obtain badges in cognitive class.

Completed on: June 26th, 2020.

June 27th, 2020 - Determining the required datasets for the machine learning model.

Completed on: June 27th, 2020.

June 28th, 2020 - Preprocessing and Transforming data to give it as input to our model. June 27th, 2020.

Completed on: June 28th, 2020.

June 29th, 2020 - Getting the necessary tools required and selecting the proper algorithm for our model.

Completed on: July 2nd, 2020.

July 3nd, 2020 - Configuring and completing the backend of our model and train the model with the acquired data and testing its accuracy.

Completed on: July 6th, 2020.

July 7th, 2020 - Designing the Node-Red and developing the flow to integrate the Machine Learning model with the Node-Red UI.

Completed on: July 11th, 2020.

July 12th, 2020 - Preparing the Project Report and Project Demo Video and completing the other required entities and submitting the final work.

Completed on: July 15th, 2020.