

DISTRIBUTION MANAGEMENT SYSTEM PROJECT REPORT

Place of Internship Obopay Mobile Technology India Private Limited

Duration: May 14th to July 14th

**YASH KUMAR GUPTA
NATIONAL INSTITUTE OF TECHNOLOGY
SURATHKAL**

Acknowledgement

I would like to take the time to express my gratitude to Mr. Raghvendra Verma (CTO), who helped me through this process. The internship provided to me was a great learning experience in terms of professional development. I consider myself immensely lucky to be presented with such an opportunity.

In spite of being extraordinarily busy, he took the time to hear, guide and keep me on the right track throughout this experience. He did not shy away from constructive criticism and this pushed me to work to the best of my ability, further allowing me to carry out my work with the utmost efficiency and determination.

I perceive this opportunity as a big milestone in my career development. I will strive to use the skills and knowledge I have gained both in my professional and personal life. Keeping this in mind, I will further improve my skill set and strive to gain the most possible in terms of desired career objectives.

YASH KUMAR GUPTA

Abstract

OBOPAY DMS is a one-stop solution to manage the distribution model of your business. The DMS has an app, allowing owners to manage their large stock units with streamline payment records and measure performance to enhance efficiency. After understanding the DMS model well, I was given the task of creating the dashboard for the various users of the software. My job was to make the whole system more user-friendly and identify the necessary information that the user would need on his landing-page. I had to create a dashboard for the following users - Salesman, Sales Manager, Finance Head and the Delivery Head. After going through all the data available data on the system and shortlisting the important information, my next task was to find the best possible way to represent it.

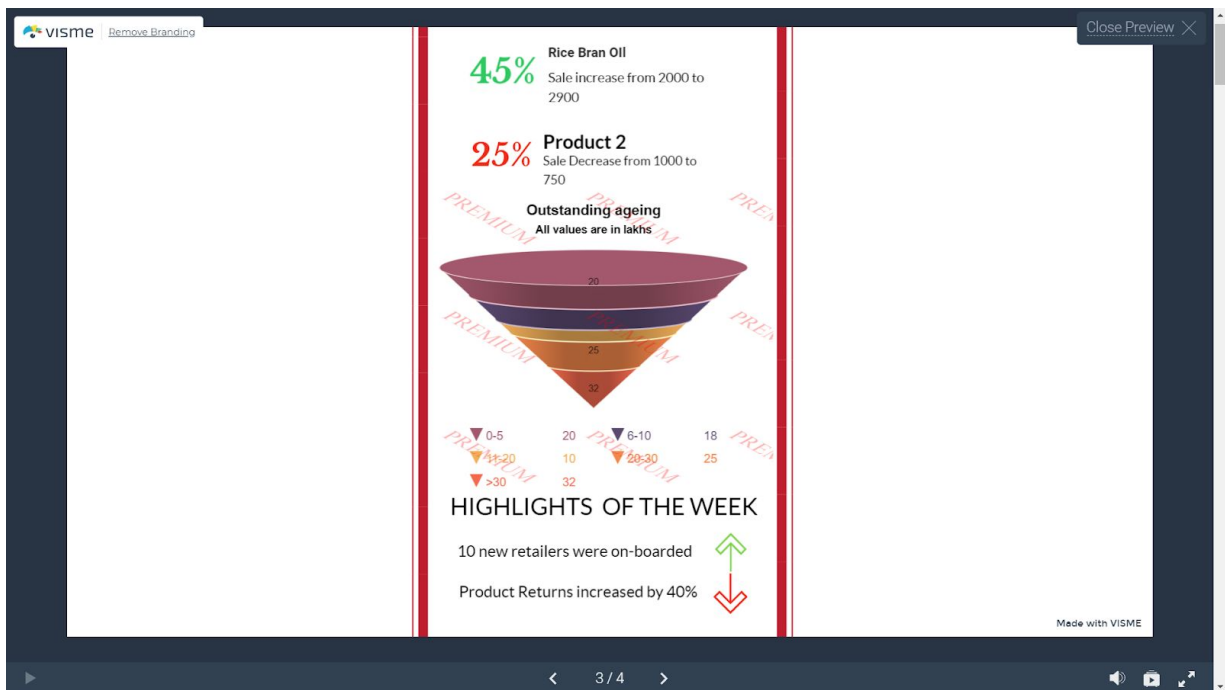
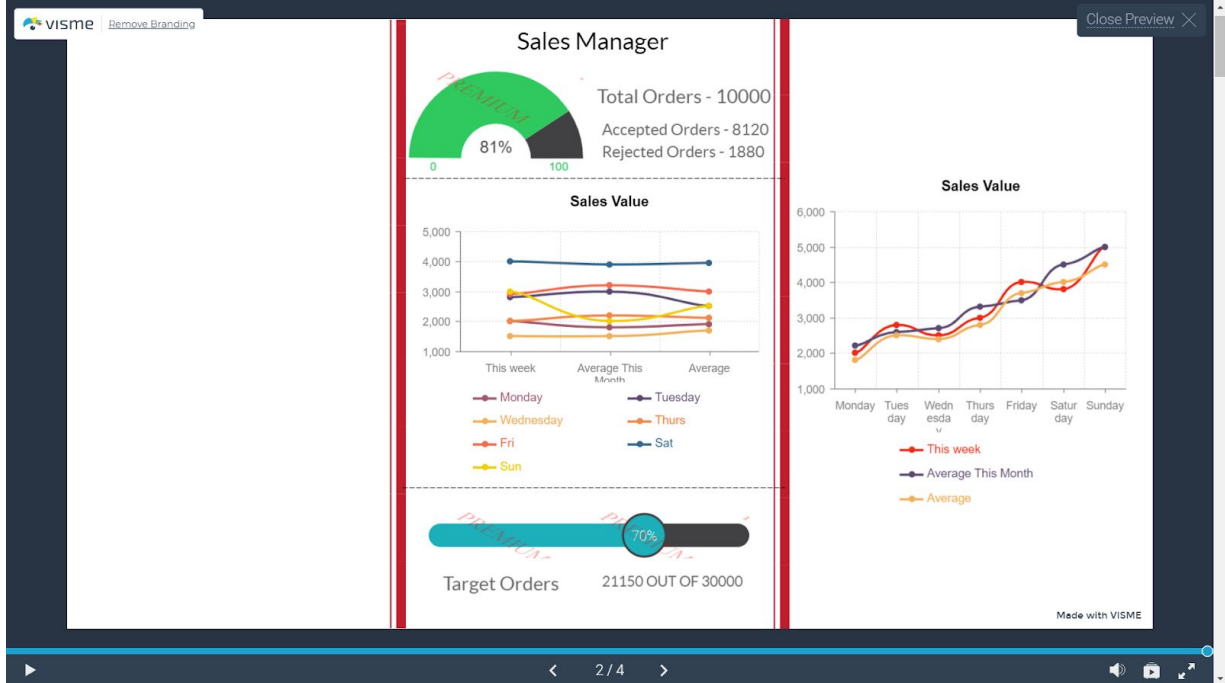
The design created is to enhance user experience and show them all what they need at a glance. Each Dashboard has been created with respect to the requirements of the user and will make the software more user-friendly.

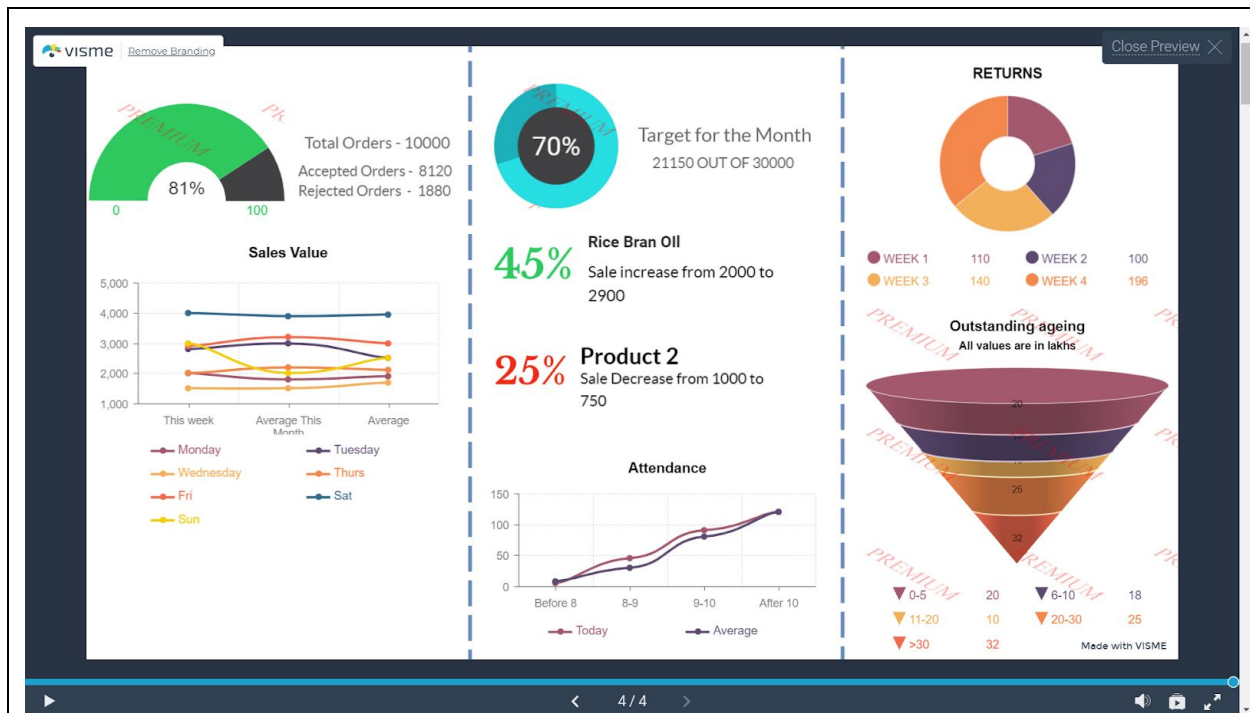
Objective

The main objective of my project was to understand the requirements of the users, and design a dashboard which pertains to their needs.

Creating a personalized dashboard for every user which helps them navigate the system easily. I tried to make the app/portal page as user-friendly as possible. All the necessary information is displayed on the home screen with detailed reports on a single touch. After giving great thought on what components are required on the home screen, the user will find it extremely simple to navigate through the system with almost all the basic, important information available on his landing-page.

Making the system as user-friendly as possible and improving the user experience was my goal.





Sales Manager

The sales manager/ sales head is a key component in a company. He looks into the sales of the company and is keen on increasing it. To design a dashboard for the sales manager, you need to put yourself in their position and understand what you would need on your landing page.

The APP:

Designing the app was much harder compared to the portal as it has a much smaller screen size. Therefore deciding what to display and what not to was quite a challenging task. During the whole design, green denotes an increase or a rise compared to the last week/month and red denotes a decrease.

The first representation is the percentage of the total number of orders accepted as a semi-circle progression. The sales manager would want a 100% acceptance rate, so by clicking on the icon, he can find out the reason for any order rejection.

Next is the sales value representation as a line graph. The 3 comparisons are this week, average week of this month and the average week. This represents the sales value and the downward curve shows that the sales for this week are greater than the last week.

The collection for the week is represented as a progress bar with the values of the collection and target mentioned below it.

The second screen of the app contains the following:

The next representation is the greatest increase in the sale of a product in the last week. This is denoted with a percentage sign with a green font colour and the value of increase along with the product name next to it.

The same is done with a decrease in the sale of a product with the percentage sign in red font.

The outstanding ageing is represented as a cone with the time interval and value being represented as a distinct slice. The greater the value, the thicker the slice.

The last representation is the highlights of the week. Any drastic change is displayed in this section. For example sales value, returns, attendance etc.

The Portal:

All the information on the app is displayed on the portal. The portal is more detailed compared to the app, therefore we can add a lot more information. The portal also has a larger display and can be used for a deeper analysis.

The additional representations on the portal are:

Returns - A doughnut is used to represent the returns. All four weeks of the month are represented and can be compared with each other.

Another addition is the attendance management. It is represented as a line graph and represented with respect to time. It compares the average with today's attendance and can be viewed/ compared by the manager.

Scope

The current project is a step forward to improving the dashboard for the users. With new technology such as Artificial Intelligence and Machine Learning, user experience can be taken to the next level. Every user can have their dashboards designed based on their needs. As AI/ML can learn and understand your usage, the dashboard can be made based on the user's usage rather than a basic standard template.

Conclusion

Working on this DMS project has given me a better understanding of UI/UX development. It has given me better visualizing skills. A better understanding of how to develop something based on a particular user's needs. This project has given me an in-depth understanding of a distribution system. I got a feel and a good understanding of the office environment. I have learnt a lot during the last two months which will help me in my professional career.