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### **Project Group Members:**

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### **About the Project:**

We are going to build a MERN based Web Application for online world. Our Web Application will be built using Web languages and frameworks. The primary goal of our e-commerce site spectrum is to sell goods and services online. Online shopping is a form of electronic shopping store where the buyer is directly online to the seller's computer usually via the internet. A person sitting on his chair in front of a computer can access all the facilities of the Internet to buy or sell the products. Online Shopping System helps in buying of goods, products and services online by choosing the listed products from website(E-Commerce site). The Shopping cart is mainly useful for who haven't time to go to shopping.

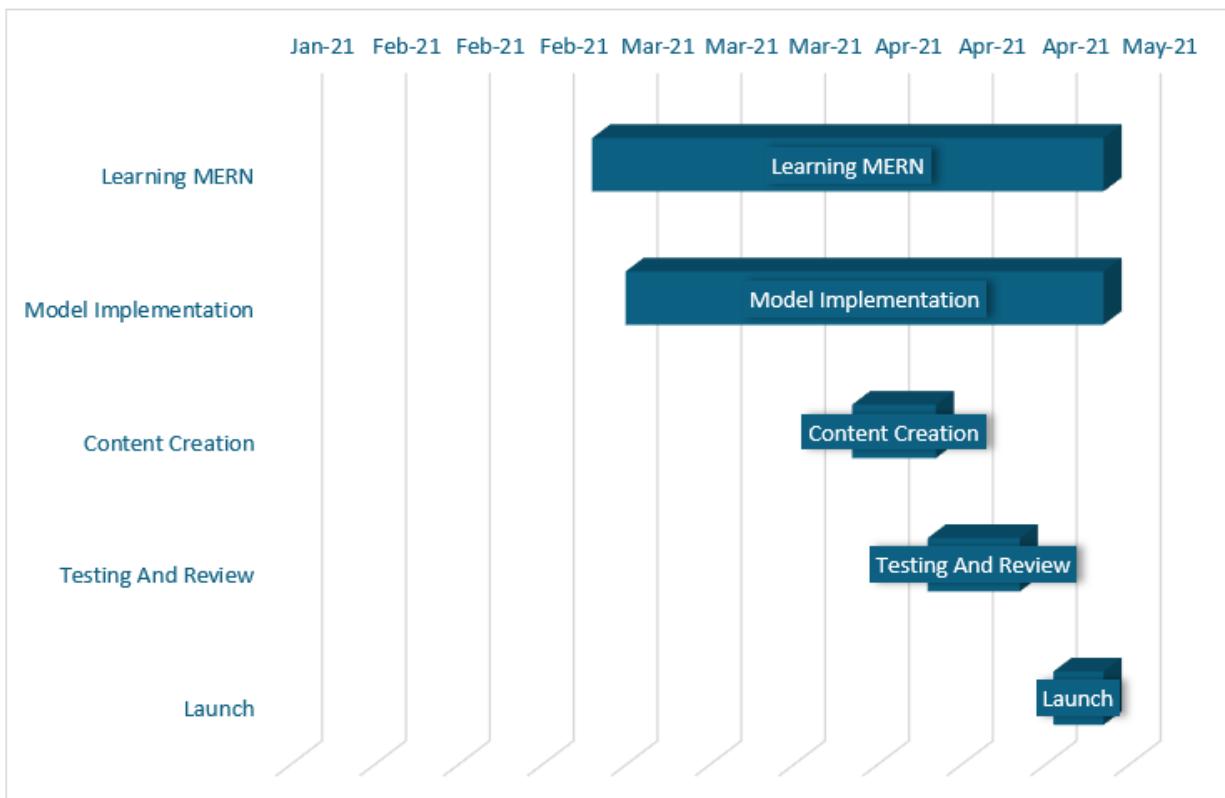
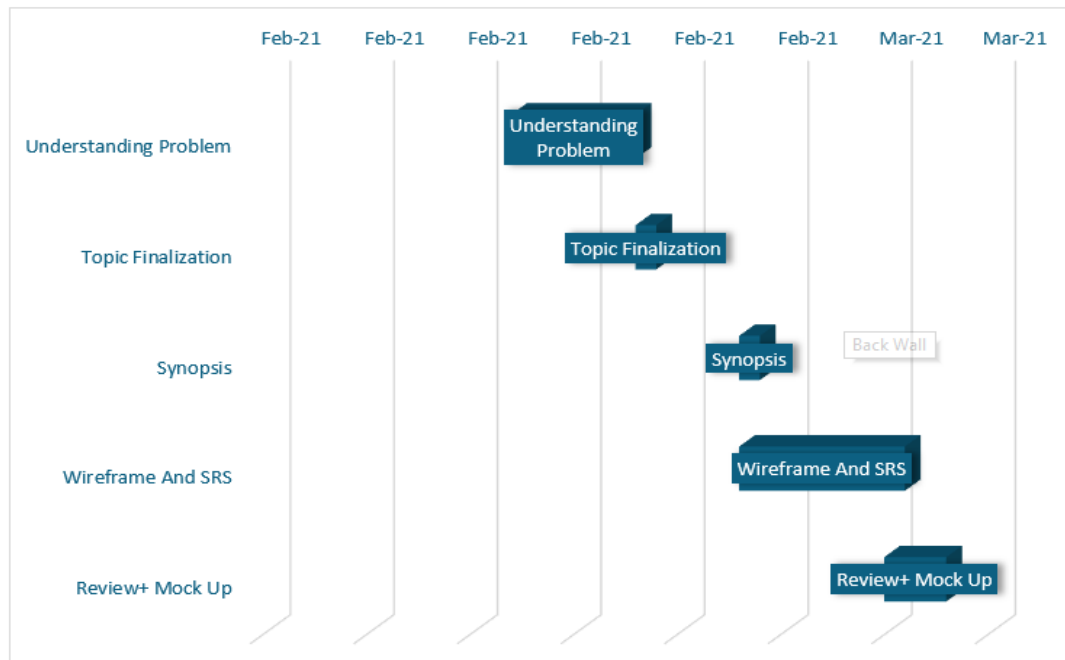
### **Problem Statement:**

- It is difficult to maintain important information in books.
- More manual hours need to generate required reports.
- It is tedious to manage historical data which needs much space to keep all the previous years' ledgers, books etc.
- Daily sales and purchases details must be entered into books are very difficult to maintain.

### **Motivation :**

SPECTRUM is a software application which avoids more manual hours that need to spend in record keeping and generating reports. This application keeps the data in a centralized way which is available to all the users simultaneously. It is very easy to manage historical data in database. No specific training is required for the distributors to use this application. They can easily use the tool that decreases manual hours spending for normal things and hence increases the performance. It is very easy to record the information of online sales and purchases in the databases.

## Project Planning:



## **Tools required:**

### **1. Hardware Requirements:**

>> Personal Computer with minimum of 4GB RAM and core i3 Processor.

### **2. Software Requirements:**

>> Windows Operating System.

>> Integrated Development Environment ( IDE ) - Visual Studio Code 1.47

>> Apache NETBEANS IDE 11.3

>> GitHub Desktop 2.5.3

>> Adobe PhotoShop version 8

>> Adobe XD version 24

### **3. Language and Framework Requirements:**

>> NodeJS 12.18. 3

>> HTML 5

>> BOOTSTRAP 4 / 5

>> ReactJS 16.9 / 17

>> CSS 3

>> NextJS 9.5.2

>> MongoDB 4.2.8

## **Signature of Project Guide:**

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