

## Project Design Phase-I - Solution Fit

Date	7 October 2022
Team ID	PNT2022TMID26435
Project Name	Inventory management system for retailers
Maximum Marks	2 Marks

### Project Title: Inventory Management System For Retailers

Define CS, fit into CC

#### 1. CUSTOMER SEGMENTION(S) **CS**

- It is an important marketing tool.
- Customer segmentation helps the enterprises increase profit and improve customer service level.

#### 2. CONSTRAINTS **CC**

- Constraints include limits on
- Raw Materials
- Machine Capacity
- Work force capacity
- Inventory Investment
- Storage Space

#### 3. CHALLENGES

- Inconsistent Tracking
- Warehouse Efficiency
- Inaccurate Data
- Changing Demand
- Limited Visibility
- Manual Documentation
- Problem Stock
- Insufficient Order Management

#### 2. JOBS-TO-BE-DONE / PROBLEMS **J&P**

- Tracks the flow of products from supplier through the production process to the customer.

#### 3. PROBLEM ROOT CAUSE **RC**

- Visibility Problems
- Lack of real-time reporting
- Inefficiency
- Under Stocking
- Over Stocking
- Lack of trend forecasting
- Lack of Centralization
- Improved visibility and transparency

#### 4. BEHAVIOUR **BE**

- Track the incoming and outgoing of stocks
- Update information onto cloud frequently
  - Know the market trends and adapt accordingly
  - Manage the inventory efficiently

Focus on J&P, tap into BE, understand RC

Focus on J&P, tap into BE, understand RC

Identify strong TR & EM	<b>7. TRIGGERS</b> <b>TR</b> <ul style="list-style-type: none"> <li>Increasing customer demand</li> <li>Market competition</li> <li>Insufficient Order Management</li> </ul>	<b>9. YOUR SOLUTION</b> <b>SOLN</b> <ul style="list-style-type: none"> <li>Developing a database in that database if the product is in out of stock sending a SMS alerting message</li> <li>provide a option for graphical view of sales</li> </ul>	<b>10. CHANNELS of BEHAVIOUR</b> <b>CB</b> <ol style="list-style-type: none"> <li><b>ONLINE</b> <ul style="list-style-type: none"> <li>Alerting the particular person about the stocks limits, either full or empty or even about the reach of a particular limit</li> <li>Updating of flowing of the stocks regularly</li> </ul> </li> <li><b>OFFLINE</b> <ul style="list-style-type: none"> <li>Manual Checking</li> <li>Stock Distribution among the Inventory</li> </ul> </li> </ol>	Extract Online and Offline CH of BE
	<b>8. EMOTIONS: BEFORE / AFTER</b> <b>EM</b> <ul style="list-style-type: none"> <li>Before: frustrated and stressmentally and physically</li> <li>After: happier, relief, confident.</li> <li>.</li> </ul>			