

# Project Design Phase-I - Solution Fit

**Project Title:** Inventory Management System For Retailers

**Team ID:** PNT2022TMID02644

Define CS, fit into CC

## 1. CUSTOMER SEGMENT(S) CS

- Retailers
- Small Scale Industries

## 2. CUSTOMER CONSTRAINTS CC

- Network Connection
- Inadequate product stock knowledge
- Time consuming
- Hard to track mass number of moving

## 3. AVAILABLE SOLUTIONS AS

The existing solution uses a cloud database in order to store the information about inflow and outflow of the stocks and the location information of the stocks, such as source and destination.

Explore AS, differentiate

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

- Tracking of stocks is a routine and vague job when humans are involved. It will make us bored and sometimes even frustrated.
- So, this kind of jobs can be done simply and effectively using the Inventory Management System. The main aim of the application is to keep track of all the stocks and their relevant information for easy access.

## 5. PROBLEM ROOT CAUSE RC

- Inaccurate information about stock movement
- Demands of consumers change day by day

## 6. BEHAVIOUR BE

- Track the inflow and outflow of stocks
- Update information onto cloud frequently
- Know the market trends and adapt accordingly

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> </ul>	<b>9. YOUR SOLUTION</b> <b>SOLN</b> <ul style="list-style-type: none"> <li>Developing a cloud application which consists the information about the current stocks, the stocks which are yet to be exported or imported from the inventory. Information can also be added manually.</li> <li>This application works on cloud and uses a cloud database.</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>
	<b>8. EMOTIONS: BEFORE / AFTER</b> <b>EM</b> <ul style="list-style-type: none"> <li>Before: Takes more time for calculations. More stress for workers, both physically and mentally.</li> <li>After: Takes very less time for calculations. Less manual work compared to former methods.</li> </ul>		