

**Project Design Phase-I**  
**Proposed Solution Template**

Date	19 September 2022
Team ID	PNT2022TMID08062
Project Name	Retail Store Stock Inventory Analytics
Maximum Marks	2 Marks

**Proposed Solution Template:**

Project team shall fill the following information in proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	To analyse the given data set which contains Brazilian top retailer and create graphs/charts which helps customers(retail shop owner) easy to understand
2.	Idea / Solution description	<ul style="list-style-type: none"><li>• This uses many algorithms to analyse the data.</li><li>• IBM Cognos Analytics is used to analysis the given data sets and it provides a toolset for reporting, analytics, score carding, and monitoring of events and metrics.</li></ul>
3.	Novelty / Uniqueness	<ul style="list-style-type: none"><li>• Gives the analysed data of given data set in graphs/charts</li><li>• Alerts the customer (retail shop owner) when the stocks are in high demand</li></ul>
4.	Social Impact / Customer Satisfaction	<ul style="list-style-type: none"><li>• Due to stock availability every time customer satisfaction can be achieved</li><li>• We can calculate the profit and loss by seeing the virtual graphs/charts</li></ul>
5.	Business Model (Revenue Model)	<ul style="list-style-type: none"><li>• Early detection of out of stock and over stock can avoid in loss in business and customers</li><li>• Our virtualization dashboard can be understood by every person</li></ul>
6.	Scalability of the Solution	Calculating of the stock in warehouse physically daily can be avoided, this will automatically calculate the availability of stocks by using sold data sets.