

# Project Design Phase-I

## Problem – Solution Fit Template

Date	19 September 2022
Team ID	PNT2022TMID36465
Project Name	Traffic and capacity analyticsfor major ports
Maximum Marks	2 Marks

## Problem – Solution Fit Template

Problem-Solution Fit canvas

Purpose / Vision

Version:

<div>Define CS, fit into CL</div> <div> <div>1. CUSTOMER SEGMENT(S)</div> <div>CS</div> <div>Demographic,psychometric,behavioral,geographic and firmographic are some of the segments .</div> </div>	<div> <div>6. CUSTOMER LIMITATIONS</div> <div>CL</div> <div>EG. BUDGET, DEVICES</div> <div>They face certain challenges like ticketless travelling by the passengers,damage or theft of things.</div> </div>	<div> <div>5. AVAILABLE SOLUTIONS</div> <div>AS</div> <div>PLUSES &amp; MINUSES</div> <div>Smart ports are the effective solutions to increase the network capacity and frequency of freight.</div> </div>
<div>Focus on PR, tap into BE, understand RC</div> <div> <div>2. PROBLEMS / PAINS</div> <div>PR</div> <div>• ITS FREQUENCY</div> <div>Major drawback of rail freight is non-optimized rail routes which affects the economy of rail freight,most of the customers need to know routes that is most efficient and cost friendly and increase the rail freight usage</div> </div>	<div> <div>9. ROOT / CAUSE OF PROBLEM</div> <div>RC</div> <div>The railroad blockage problem is one of the most important decision in freights railroads,the objective of this problem is to minimize the costs of delivering all commodities by deciding which inter-terminal blocks to build and specifying the assignment of commodities.</div> </div>	<div> <div>7. BEHAVIOR</div> <div>BE</div> <div>• ITS INTENSITY</div> <div>The main determining factors of freight rate are: mode of transportation weight,size,distance,points of pickup and delivery, and actual goods being shipped.</div> </div>
<div>Identify strong TR &amp; EM</div> <div> <div>3. TRIGGERS TO ACT</div> <div>TR</div> <div>Based on those factors character the author classed them into five main dimensions which are administration,economic,logistics,sci social,technologies.</div> </div>	<div> <div>10. YOUR SOLUTION</div> <div>SL</div> <div>Proper loading and deloading of freights with IOT aide can influence the rail freights with safe transportation ant build the trust in people to increase in use of the rail freight.</div> </div>	<div> <div>8. CHANNELS of BEHAVIOR</div> <div>CH</div> <div>ONLINE</div> <div>The infrastructure( the permanent way tracks stations,freights,facilities,viaducts,tunnels) and the rolling stock(the locomotive,passenger,,etc).</div> </div>

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Designed by Daria Naguibahar / ideahackers.nl - we tailor ideas to customer behaviour and increase solution adoption probability.

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