**ProjectDesignPhase-I**-**SolutionFitTemplate TeamID:**PNT2022TMID49188

**i**

**a**

**te**

4

SignswithSmaítConnectivityfoíBetteíRoadSafety

1. **CUSľOMERSEGMENľ(S)**

Whoisyouícustomeí?

* + Highwaydivision
  + passengeí

**CS**

**6.CUSľOMERCONSľRAINľS**

**CC**

**AS**

Whatconstíaintspíeventyouícustomeísfíom takingaction oí limittheií choicesofsolutions?

**ľheimpact ofthenetwoíkonthetestswasa significant and unexpected element. Given thequantity of sensoís, this Ioľ-based system wassuccessful in simulating a laíge-scale smaít signboaíd**.

**5.AVAILABLESOLUľIONS**

Whichsolutionsaíeavailabletothecustomeíswhentheyfacethepíoblem

**Alongíoadways,staticsignswithcleaídiíectionsaíeput aspotentialfixes.**

**2.JOBS-ľO-BE-DONE/PROBLEMS**

Whichjobs-to-be-done(oípíoblems)doyouaddíessfoíyouícustomeís?

**Among its many duties, theSmaítboaídConnectivityisin chaígeofkeepingcoííecttempeíatuíesensoííeadingsandinfoímingthe boaídofthespeedofthe**

**customeí’svehicle.**

**J&P**

**9.PROBLEMROOľCAUSE**

What istheíealíeasonthat thispíoblemexists?Whatisthebackstoíybehindtheneedtodothisjob?

**RC**

**7. BEHAVIOUR**

What does youícustomeí do to addíess the píoblem and get the jobdone?

**BE**

**NoSensoííeadingsfíomthe**

**weatheí ion if**

**theíewasnointeínetconnection.**

**wouldalteíthespeedíestíict**

**Unnecessaíypíessing oftheaccidentindicatoí button bysomepeoplecouldleadtopíoblems.**

**Asateacheí,theIOľcloudupdatesthe smaítboaídontheconditionoftheíoadsonaíegulaíbasis.**

**ExploreAS,different**

**DefineCS, fitinto CC**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **3.ľRIGGERS ľR**  Whattriggerscustomerstoact?  **. Poor weather conditions prevail.The vehicle should be moving at thresholdspeed.Thesensorvalueshouldbeshownon**  **thesmartboardtoalertthecustome**r. | **10.YOURSOLUľION SL**  **We employsmaítlinkedsignboaídsasanalteínativetostatic signboaíds. With the help of a web app and weatheíAPI,theseintelligentconnectedsignboaídsautomatically** | 1. **CHANNELSofBEHAVIOUR CH**    1. **ONLINE**   Whatkindofactionsdocustomeístakeonline?  **ľhedepaítmentscaníeceivediíectemailsoímessages fíomcustomeís.(Officeísonneaíbypatíol).**   * 1. **OÏÏLINE** |  | |
|  |  |
|  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **4.EMOľIONS:BEÏORE/AÏľER EM**  How docustomeísfeel when theyfacea píoblemoía job andafteíwaíds?  **Clientswill feelbetteíafteíselectinganopeíationmodewiththeuseofsmaítboaídconnectivity,and they will then follow the instíuctions on thesmaítboaíd.** | **updatewiththecuííentspeedlimits.ľhespeedmayíiseoífalliníesponsetovaíiationsintheweatheí.ľhedisplayof**  **diveísionsignsaíedeteíminedbytíafficandpotentiallyfatal**  **situations.Asappíopíiate,theíeaíealsosignsthatíead"Guide(Schools),Waíning,andSeívice"(Hospitals,**  **Restauíants). Using buttons, it is possible to choose fíom avaíietyof opeíatingmodes.** | What kind of actions do customers take ofﬂine?Followingdiíectionsisoneofthemaintasksfoíthetíaveleí, but they can utilize the smaítboaíd signs tocheckthestateoftheíoadfíomwheíeveítheyaíe. |  |