

Project Design Phase-I Problem Solution Fit

Date	10 October 2022
Team ID	PNT2022TMID43126
Project Name	Developing a flight delay prediction model using machine learning
Maximum Marks	4 Marks

Problem solution fit:

Define CS, fit into CL	1. CUSTOMER SEGMENT(S) CS <ul style="list-style-type: none"> ◆ Travelers ◆ Business man ◆ Friends/Families of passenger 	6. CUSTOMER LIMITATIONS <small>EG. BUDGET, DEVICES</small> CL <ul style="list-style-type: none"> ◆ Mobile networks can't be accessed inside aircraft ◆ Some website doesn't give accurate information which makes the customer to lose trust in online websites 	5. AVAILABLE SOLUTIONS <small>PROS & CONS</small> AS <ul style="list-style-type: none"> ◆ Predicting flight delay ◆ Creating high responsive website ◆ Use friendly website 	Explore AS, differentiate
	2. PROBLEMS / PAINS <small>+ ITS FREQUENCY</small> PR <ul style="list-style-type: none"> ◆ Listening to Flight updation taken on and take off details. ◆ Rescheduling their work time based on the delay time. 	9. PROBLEM ROOT / CAUSE RC <ul style="list-style-type: none"> ◆ Due to weather condition, landing problems occurs. ◆ The delay of previous flight to take off also result in other success flight delay. ◆ Traffic in airways. 	7. BEHAVIOR <small>+ ITS INTENSITY</small> BE <ul style="list-style-type: none"> ◆ Flight updation by pilot or Flight attendees. ◆ Checking out on other websites. 	
Identify strong TR & EM	3. TRIGGERS TO ACT TR <ul style="list-style-type: none"> ◆ Checking out flight travel time and weather conditions before take on. 	10. YOUR SOLUTION SL <ul style="list-style-type: none"> ◆ Predicting the accurate flight delay time using good predictive models and data classifier algorithms. ◆ Creating a highly responsive website which is user friendly and can be accessed by everyone. 	8. CHANNELS of BEHAVIOR CH <div>ONLINE</div> <ul style="list-style-type: none"> ◆ Online : checking out weather conditions of destination places. <div>OFFLINE</div> <ul style="list-style-type: none"> ◆ Offline : listening to flight updates at airport and inside aircraft. 	Extract online & offline CH of BE
	4. EMOTIONS <small>BEFORE / AFTER</small> EM <ul style="list-style-type: none"> ◆ Before : confused about travel time, depressed, about landing time, stressed, annoyed. ◆ After : feel in ease, relaxed. 			