

Project Design Phase-I

Problem Solution Fit

Date	17 Oct 2022
Team ID	PNT2022TMID06114
Project Name	Industry-specific intelligent fire management system
Maximum Marks	4 Marks

Define CS, CL, AS Focus on PR, tap into BE, understand RC	1. CUSTOMER SEGMENT(S) CS <ul style="list-style-type: none"> Eco Friendly Economic 	6. CUSTOMER LIMITATIONS <small>EG. BUDGET, DEVICES</small> CL <ul style="list-style-type: none"> Cost Efficient Portable hand held gadgets 	5. AVAILABLE SOLUTIONS <small>PLUSSES & MINUSES</small> AS <ul style="list-style-type: none"> Fire and smoke alarm system Fire Extinguishing system 	Explore AS, differentiate										
	2. PROBLEMS / PAINS + ITS FREQUENCY PR <table border="1" style="width: 100%;"> <tr> <td>High Temperature</td> <td>Often</td> </tr> <tr> <td>Machinery Breakdowns</td> <td>Rare</td> </tr> </table>	High Temperature	Often		Machinery Breakdowns	Rare	9. PROBLEM ROOT / CAUSE RC <table border="1" style="width: 100%;"> <tr> <td>High Temperature</td> </tr> <tr> <td>Improper maintenance</td> </tr> <tr> <td>Careless</td> </tr> </table>	High Temperature	Improper maintenance	Careless	7. BEHAVIOR + ITS INTENSITY BE <table border="1" style="width: 100%;"> <tr> <td>Frequent workloads</td> <td>Often</td> </tr> <tr> <td>Long breaks between loads</td> <td>Often</td> </tr> </table>	Frequent workloads	Often	Long breaks between loads
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Identify strong TR & EM	3. TRIGGERS TO ACT TR <table border="1" style="width: 100%;"> <tr> <td>High Temperature</td> </tr> <tr> <td>No coolant supply</td> </tr> </table>	High Temperature	No coolant supply	10. YOUR SOLUTION SL <table border="1" style="width: 100%;"> <tr> <td>Clean Environment</td> </tr> <tr> <td>Proper machine placement</td> </tr> <tr> <td>Proper maintenance</td> </tr> <tr> <td>Coolant usage</td> </tr> </table>	Clean Environment	Proper machine placement	Proper maintenance	Coolant usage	8. CHANNELS of BEHAVIOR CH <table border="1" style="width: 100%;"> <tr> <td>ONLINE</td> <td>Maintained overloads reduced heat</td> </tr> <tr> <td>OFFLINE</td> <td>Short Breaks extends life time of machine</td> </tr> </table>	ONLINE	Maintained overloads reduced heat	OFFLINE	Short Breaks extends life time of machine	Extract online & offline CH of BE
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4. EMOTIONS <small>BEFORE / AFTER</small> EM <table border="1" style="width: 100%;"> <tr> <td>Worried / Relaxed</td> </tr> <tr> <td>Concerned / Satisfaction</td> </tr> </table>	Worried / Relaxed	Concerned / Satisfaction												
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