

Team ID: PNT2022TMID27134

Define CS, fit into CC	<div>1. CUSTOMER SEGMENT(S)<div>CS</div></div> <div><ul style="list-style-type: none">For metropolitan citiesCities with highest number of population</div>	<div>6. CUSTOMER CONSTRAINTS<div>CC</div></div> <div><ul style="list-style-type: none">Due to lack of awareness to keep city clean and hygieneKeeping the city unclean lead to many unknown disease</div>	<div>5. AVAILABLE SOLUTIONS<div>AS</div></div> <div><ul style="list-style-type: none">Smart dustbin with this technology can send the level off dustbin frequently to the corporation through the web application</div>	Explore AS, differentiate
	<div>2. JOBS-TO-BE-DONE / PROBLEMS</div> <div><ul style="list-style-type: none">Build a web application to detect the level of the dustbin.Send the truck to respective area to clean the dustbin .Frequent monitoring using sensors very useful</div>	<div>9. PROBLEM ROOT CAUSE<div>RC</div></div> <div><ul style="list-style-type: none">Lack of responsibility between the peoples about keeping city clean.Despite their desire ,they are unable to contact the corporation officer at needed time</div>	<div>7. BEHAVIOUR<div>BE</div></div> <div><ul style="list-style-type: none">Level of dustbin using the sensors can detected and status will be shared to corporation they send the truck and clean the dustbin.The main concept is to keep city clean and hygiene.</div>	

3. TRIGGERS <div>TR</div>	10. YOUR SOLUTION <div>SL</div>	8. CHANNELS of BEHAVIOUR <div>CH</div>
<ul style="list-style-type: none">• A reduction in the number of waste collections needed by up to 80% resulting in less manpower,emissions,fuel use and traffic congestion• A reduction in the number of waste bins needed	<ul style="list-style-type: none">• SMART DUSTBIN using Arduino is an IOT based project. Here we are using Arduino for code execution, for sensing we used ultrasonic sensor which will open lid and wait for few moments. It will bring drastic changes in term of cleanliness with the help of technology.	<p>Online</p> <p><small>8.1 OFFLINE</small></p> <p>The sensors detects the dustbin level and send message to corporation</p> <p>Offline</p> <p>The corporation team sends the truck to clean the filled dustbin respectively</p>