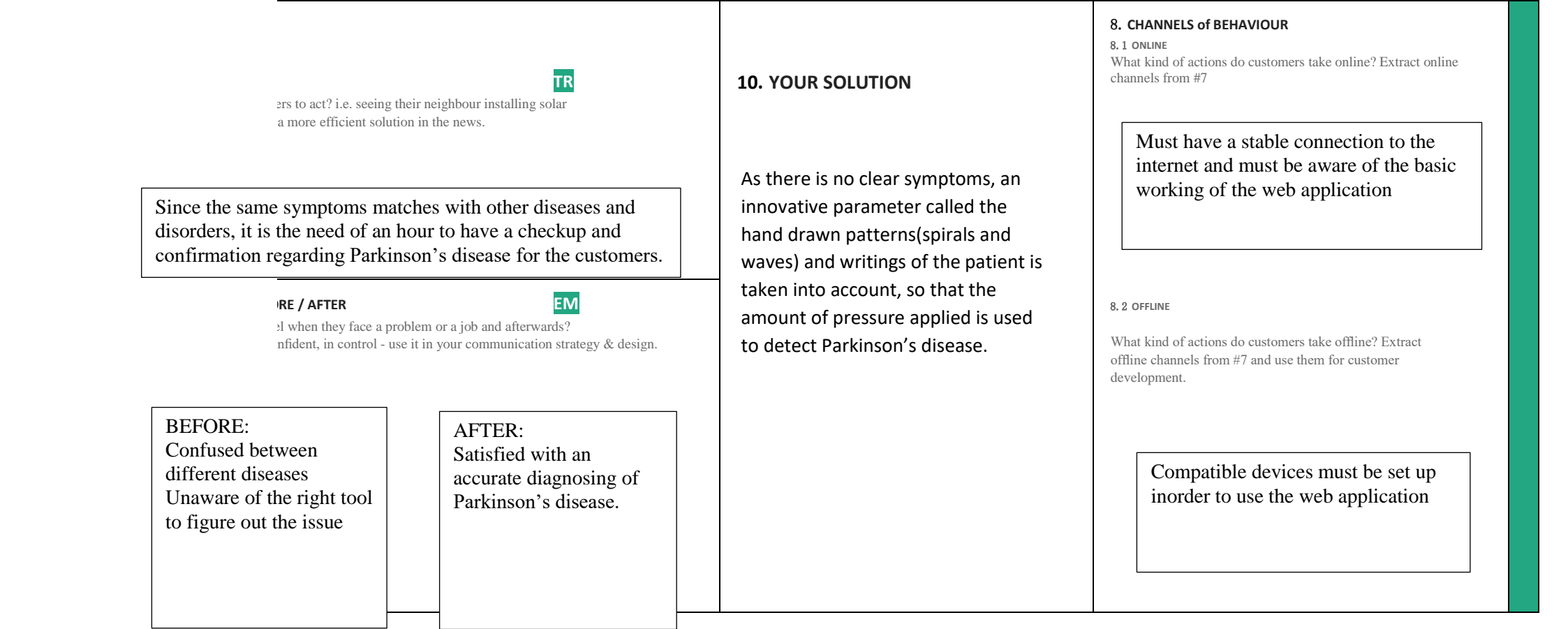


## Project Design Phase-I - Solution Fit Template

**Project Title:** Detecting Parkinson's disease using machine learning

**Team ID:** PNT2022TMID26216

Define CS, fit into CC	<b>1. CUSTOMER SEGMENT(S)</b> <span>CS</span> Who is your customer? i.e. working parents of 0-5 y.o. kids  <div>Neurologists Medical registrars Researchers Patients(mainly age&gt;60) who have defects in nervous systems</div>	<b>6. CUSTOMER CONSTRAINTS</b> <span>CC</span> What constraints prevent your customers from taking action or limit their choices of solutions? i.e. spending power, budget, no cash, network connection, available devices.  <div>Inaccurate data set Lack of statistical knowledge Absence of Appropriate interface</div>	<b>5. AVAILABLE SOLUTIONS</b> <span>AS</span> Which solutions are available to the customers when they face the problem  or need to get the job done? What have they tried in the past? What pros & cons do these solutions have? i.e. pen and paper is an alternative to digital notetaking  <div>The doctors have suggested the suspected patients to undergo a number of medical tests to detect parkinson's disease but it produces inaccurate results and thus leads to insufficient treatment.</div>	Explore AS, differentiate
	<b>2. JOBS-TO-BE-DONE / PROBLEMS</b> <span>J&amp;P</span> Which jobs-to-be-done (or problems) do you address for your customers? There could be more than one; explore different sides.  <div>At first, the ambiguity in diagnosing Parkinson detection is solved, since there is no fixed symptoms for the doctor to analyze from the patients. Difficulty in using the data set to retrieve reports is solved by creating an interface in an user friendly website</div>	<b>9. PROBLEM ROOT CAUSE</b> <span>RC</span> What is the real reason that this problem exists? What is the back story behind the need to do this job? i.e. customers have to do it because of the change in regulations.  <div>The primary issue is that it is almost impossible to detect Parkinson's disease with accuracy since there is no appropriate symptoms to identify. No specificity is maintained in choosing the parameters that helps to detect the disease.</div>	<b>7. BEHAVIOUR</b> <span>BE</span> What does your customer do to address the problem and get the job done?  i.e. directly related: find the right solar panel installer, calculate usage and benefits; indirectly associated: customers spend free time on  <div>The web application gets the data set as the input feed and thus provides the presence or severity of Parkinson's disease in patients as an output.</div>	
Focus on J&P, tap into BE, understand RC				Focus on J&P, tap into BE, understand RC



Identifying stressors & E

Identifying