

Project Design Phase-I - Solution Fit Template

Define CS, fit into CC	<b>1. CUSTOMER SEGMENT(S)</b> <b>CS</b> <ul style="list-style-type: none"> <li>1.Government</li> <li>2.Scientists like Seismologists and Meteorologists</li> </ul>	<b>6. CUSTOMER CONSTRAINTS</b> <b>CC</b> <ul style="list-style-type: none"> <li>1.Spending time</li> <li>2.Lack of data</li> <li>3.Uncertain about the result</li> </ul>	<b>5. AVAILABLE SOLUTIONS</b> <b>AS</b> <ul style="list-style-type: none"> <li>1.Scientists have to analyse every image available to classify the natural disaster which is a time consuming process.</li> <li>2.Government has to solely rely on the scientists to make their next move which at sometimes lead to losses of people's lives.</li> </ul>	Explore AS, differentiate
Focus on J&P, tap into BE, understand RC	<b>2. JOBS-TO-BE-DONE / PROBLEMS</b> <b>J&amp;P</b> <ul style="list-style-type: none"> <li>1.Able to classify the natural disaster by the given image.</li> <li>2.To take necessary steps to save the lives of people and to prevent the loss</li> </ul>	<b>9. PROBLEM ROOT CAUSE</b> <b>RC</b> <p>Natural disaster must be identified and classified with great accuracy and within a short span of time so that the Government can take necessary steps to save the lives of people and to minimize the losses.</p>	<b>7. BEHAVIOUR</b> <b>BE</b> <p>Collects various image from the disaster prone areas and tries to analyze it one by one to classify them</p>	Focus on J&P, tap into BE, understand RC
Identify strong TR & EM	<b>3. TRIGGERS</b> <b>TR</b> <ul style="list-style-type: none"> <li>1.Urge of saving the lives of people</li> <li>2.Fear of facing a downfall of economy due to the loss caused by natural disaster</li> </ul>	<b>10. YOUR SOLUTION</b> <b>SL</b> <p>We developed a multilayered deep convolutional neural network model that classifies the natural disaster accurately and within short span of time . The model uses an integrated webcam to capture the video frame and the video frame is compared with the Pre-trained model and the type of disaster is identified and showcased on the OpenCV window.</p>	<b>8.CHANNELS of BEHAVIOUR</b> <b>CH</b> <ul style="list-style-type: none"> <li><b>8.1 ONLINE</b> <ul style="list-style-type: none"> <li>1. Collects images from online sources like google.</li> <li>2.Gathering information about the disaster through social media by the common people.</li> </ul> </li> <li><b>8.2 OFFLINE</b> <p>Classify the disaster from the collected image.</p> </li> </ul>	Identify strong TR & EM
	<b>4. EMOTIONS: BEFORE / AFTER</b> <b>EM</b> <p>BEFORE: Fear, Inadequate. Uncertain AFTER: Proud, Happiness of saving people</p>			

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