

# Project Title: Digital Naturalist - AI Enabled tool for Biodiversity Researchers

## Project Design Phase-I - Solution Fit Template

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Define CS, fit into CC	<div>1. CUSTOMER SEGMENT(S) <span>CS</span></div> <div><ul style="list-style-type: none"><li>Ornithologist</li><li>Botanist</li><li>Zoologist</li><li>Students</li><li>Hiker</li><li>Marine biologist</li><li>Research people</li><li>Tourist</li></ul></div>	<div>6. CUSTOMER CONSTRAINTS <span>CC</span></div> <div><ul style="list-style-type: none"><li>Network issues</li><li>Insufficient knowledge about the biodiversity.</li><li>Cannot remember all the basic life saving tips</li><li>Making observations among species.</li></ul></div>	<div>5. AVAILABLE SOLUTIONS <span>AS</span></div> <div><ul style="list-style-type: none"><li>Need to always carry a guidebook around everywhere</li><li>Internet databases where we must search for certain species from the mountain of images from the web using modern algorithms.</li><li>Usage of ai to tackle different complex difficulties in the wildlife.</li></ul></div>	Explore AS, differentiate
	<div>2. JOBS-TO-BE-DONE / PROBLEMS <span>J&amp;P</span></div> <div><ul style="list-style-type: none"><li>Unable to identify sub species of certain amphibians or birds.</li><li>Cannot find a suitable place to work in the workplace</li><li>Cannot find the exact habitat of certain species.</li></ul></div>	<div>9. PROBLEM ROOT CAUSE <span>RC</span></div> <div><ul style="list-style-type: none"><li>complexities in identification</li><li>Information gathering</li><li>Need to depend on external resources</li><li>Large dataset</li></ul></div>	<div>7. BEHAVIOUR <span>BE</span></div> <div><ul style="list-style-type: none"><li>Volunteering for jobs where we can actively work with wildlife</li><li>Finding rare and endangered species of flora and fauna and help them navigate in current</li></ul></div>	
Focus on J&P, tap into BE, understand RC				Focus on J&P, tap into BE, understand RC

<p><b>3. TRIGGERS</b></p> <ul style="list-style-type: none"> <li>• Save nature</li> <li>• Save Endangered Species</li> <li>• Expanding the lifespan of certain species through medicine</li> <li>• Helps to gather aerial species away from places where they are prone to tower kill or other dangers</li> </ul>	<p><b>10. YOUR SOLUTION</b> <span>SL</span></p> <ul style="list-style-type: none"> <li>• It can be in offline mode</li> <li>• all information about the Species should be displayed.</li> <li>• Medical Benefits of different plants can be displayed.</li> <li>• Display alert messages for plants/animals.</li> <li>• display alert messages for plants and animals.</li> </ul>	<p><b>8.</b></p> <p><b>CHANNELS of BEHAVIOUR</b> <span>CH</span></p> <p><b>ONLINE</b></p> <ul style="list-style-type: none"> <li>• capture image and search it</li> <li>• Browse using the internet</li> </ul> <p><b>OFFLINE</b></p> <ul style="list-style-type: none"> <li>• Hand notes</li> <li>• Getting the information from experienced user</li> </ul>	<p>Identify strong TR &amp; EM</p>
<p><b>4.EMOTIONS: BEFORE/AFTER</b></p> <ul style="list-style-type: none"> <li>• Co2 to o2</li> <li>• Imbalanced world to sustainable world</li> <li>• Accumulation of waste to renewable energy</li> </ul>			