

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

Project Design Phase-I - Solution Fit Template

Team ID: PNT2022TMID03402

Define CS, fit into CC	<div>1. CUSTOMER SEGMENT(S) CS</div> <div><ul style="list-style-type: none">OrnithologistBotanistZoologistStudentsHikerMarine biologistResearch peopleTourist</div>	<div>6. CUSTOMER CONSTRAINTS CC</div> <div><ul style="list-style-type: none">Network issuesInsufficient knowledge about the biodiversity.Cannot remember all the basic life saving tipsMaking observations among species.</div>	<div>5. AVAILABLE SOLUTIONS AS</div> <div><ul style="list-style-type: none">Need to always carry a guidebook around everywhereInternet databases where we must search for certain species from the mountain of images from the web using modern algorithms.Usage of ai to tackle different complex difficulties in the wildlife.</div>	Explore AS, differentiate
	<div>2. JOBS-TO-BE-DONE / PROBLEMS J&P</div> <div><ul style="list-style-type: none">Unable to identify sub species of certain amphibians or birds.Cannot find a suitable place to work in the workplaceCannot find the exact habitat of certain species.</div>	<div>9. PROBLEM ROOT CAUSE RC</div> <div><ul style="list-style-type: none">complexities in identificationInformation gatheringNeed to depend on external resourcesLarge dataset</div>	<div>7. BEHAVIOUR BE</div> <div><ul style="list-style-type: none">Volunteering for jobs where we can actively work with wildlifeFinding rare and endangered species of flora and fauna and help them navigate in current</div>	

Focus on J&P, tap into BE, understand RC

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