

## Project Design Phase-I – Problem Solution Fit

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

**Team ID: PNT2022TMID30160**

Define CS, fit CC	<b>1. CUSTOMER SEGMENT(S)</b> <b>CS</b> <p>1.Experience professionals and Inexperienced people who are willing to learn about bio diversity. 2. People who go for hikes or trips to the forest areas and mountains. 3. Amateurs or Students or people who like to learn more about the biodiversity.</p>	<b>6. CUSTOMER CONSTRAINTS</b> <b>CC</b> <p>1.No knowledge about bio diversity. 2.Cannot remember everything. 3.Not able to identify the plants and animals</p>	<b>5. AVAILABLE SOLUTIONS</b> <b>AS</b> <p>1.Field naturalists always carry a guidebook around everywhere or seeks help from experienced Ornithologist. 2.Get help from experienced people. 3.Internet and other apps</p>	Explore AS, differentiate
	<b>2. JOBS-TO-BE-DONE / PROBLEMS</b> <b>J&amp;P</b> <p>1.Fear of misidentification. 2.Need to know about at least the basics. 3.No knowledge or experience about bio diversity as the user is just starting to learn which can lead to confusion</p>	<b>9. PROBLEM ROOT CAUSE</b> <b>RC</b> <p>1.Need to depend on experts like Ornithologists, Zoologists, Botanist. 2.Users may not be a naturalist or just a student who just started to learn so they may not know any information. 3. Too much data cannot be stored by any human or they may forget or other due to any other problems like age.</p>	<b>7. BEHAVIOUR</b> <b>BE</b> <p>1.Carry guide books or other notes to identify species. 2.Get help from experienced professionals 3.Try to remember the species based on its feature. 4.Plant identifier. 5.Animal identifier</p>	
Focus on J&P, tap into BE, understand RC				Focus on J&P, tap into BE, understand RC
Identify strong TR&EM	<b>3. TRIGGERS</b> <b>TR</b> <p>They hear about new app with best features by their friend or colleagues, or read about app in news, or search the internet on their own.</p>	<b>10. YOUR SOLUTION</b> <b>SL</b> <p>1.All information should be available in on application. 2. Display Botanical names . 3.Display alert messages for plants/animals using different colors . 4. Small description about them . 5.Rarities of the species</p>	<b>8.CHANNELS of BEHAVIOUR</b> <b>CH</b> <p><b>ONLINE</b></p> <p>1. All features are accessible during online. 2. Search using the internet about the species</p> <p><b>OFFLINE</b></p> <p>1.Get help from friends or professionals. 2.Guidebook or they even take their own notes</p>	Extract online & offline CH of BE
	<b>4. EMOTIONS: BEFORE / AFTER</b> <b>EM</b> <p>1.Before: Feel very sad to carry book always. They may hesitate to task help from experts. Sometime feels shame to ask help from experts</p> <p>After: Feels happy no need carry heavy books. Feel proud because no need to seek help from experts.</p>			