Project Design Phase-I - Solution Fit

Date	01 October 2022
Team ID	PNT2022TMID30275
Project Name	Project - Digital Naturalist - AI Enabled tool for Biodiversity Researchers
Maximum Marks	

Define CS, fit into **Explore AS, differentiate** CC AS CS 6. CUSTOMER CONSTRAINTS 5. AVAILABLE SOLUTIONS 1. CUSTOMER SEGMENT(S) **Botanist** Replacing traditional taxonomical practices to Zoologist a digital driven application Ornithologist Enhancing the user experience with modern Subscription cost algorithms Entomologist Network issues Usage of AI to tackle difficulties in Arachnologist Misunderstanding the class of species identification of breeds Herpetologist Making observations among species Ichthyologist What have they tried in the past? Finding relationships among breeds Marine biologist Cetologist Community for mapping and sharing Research people observations of biodiversity Dendrophile Pros - Improved access to species data Cons - Lack of resources Forester Mountaineer Sailor Students Tourist people and travellers

2. JOBS-TO-BE-DONE / PROBLEMS

J&P

- Understand the biological specimen
- Life towards green environment
- Save the wild life
- Concern towards endangered species
- Living in tune with nature
- Feel the greenery in their hands
- Reduce animal human conflicts
- Identification of rare species

9. PROBLEM ROOT CAUSE

RC

- 1. Complexities in Observation Relationship Research
- 2. To help naturalist to identify the species in a better way and to have a sufficient knowledge of the required species
- 3. To promote sustainable world

7. BEHAVIOUR

BE

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

DIRECTLY RELATED

- 1. To search for the particular specimen in books or websites
- 2. To compare with the species that you know already
- 3. Asking the native people about that species

INDIRECTLY RELATED

- 1. Volunteering like NCC
- 2. Finding the rare species
- 3. Save endangered species

