Project Title: Digital Naturalist - AI Enabled tool for Biodiversity Researchers
Project Design Phase-I - Solution Fit Template
Team ID: PNT2022TMID26799

1. CUSTOMER SEGMENT(S) `CS`

- Ornithologist
- Botanist
- Zoologist
- Students
- Hiker
- Marine biologist
- Research people
- Tourist

6. CUSTOMER CONSTRAINTS `CC`

- Network issues
- Insufficient knowledge about the biodiversity.
- Cannot remember all the basic life saving tips
- Making observations among species.

5. AVAILABLE SOLUTIONS `AS`

- Need to always carry a guidebook around everywhere
- Internet 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.

2. JOBS-TO-BE-DONE / PROBLEMS `J&P`

- Unable to identify sub species of certain amphibians or birds.
- Cannot find a suitable place to work in the workplace
- Cannot find the exact habitat of certain species.

9. PROBLEM ROOT CAUSE `RC`

- complexities in identification
- Information gathering
- Need to depend on external resources
- Large dataset

7. BEHAVIOUR `BE`

- Volunteering for jobs where we can actively work with wildlife
- Finding rare and endangered species of flora and fauna and help them navigate in current
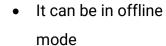
3. TRIGGERS

- 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

4.EMOTIONS: BEFORE/AFTER

- Co2 to o2
- Imbalanced world to sustainable world
- Accumulation of waste to renewable energy

10. YOUR SOLUTION `SL`

- 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.

8.

CHANNELS of BEHAVIOUR `CH`
ONLINE

- capture image and search it
- Browse using the internet

OFFLINE

- Hand notes
- Getting the information from experienced user

Identify strong TR & EM