PROJECT TITLE: Digital Naturalist - AI Enabled tool for Biodiversity Researchers
PROJECT DESIGN PHASE-I - Solution Fit Template
TEAM ID: PNT2022TMID38453

Define CS, fit into CC

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.

Explore AS, differentiate

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

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

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

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

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

8. CH

CHANNELS of BEHAVIOUR

ONLINE

- capture image and search it
- Browse using the internet

OFFLINE

- Hand notes
- Getting the information from experienced user

Identify strong TR & EM

	4.EMOTIONS: BEFORE/AFTER • Co2 to o2 • Imbalanced world to sustainable world • Accumulation of waste to renewable energy	• plants and animals.		