Project Title: Digital Naturalist   **Project Design Phase-I - Solution Fit Template**   **Team ID: PNT2022TMID30984**

<table>
<tr>
<td rowspan="2">Define CS, fit into CC</td>
<td>

1. CUSTOMER SEGMENT(S) `CS`

- Ornithologist
- Students
- Hikers
- Migrators
- Biologist
- Zoologist
- Tourister
- Research people

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6. CUSTOMER CONSTRAINTS `CC`

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

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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.

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<td rowspan="2">Explore AS, differentiate</td>
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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.

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9. PROBLEM ROOT CAUSE `RC`

- complexities in identification
- Information gathering
- Need to depend on external resources
- Large dataset
- Money problem
- Depend upon Guide

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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

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(Left side label: Focus on J&P, tap into BE, understand RC)
(Right side label: 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

TR

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

8.1   ONLINE

- Capture image and search it
- Browse using the internet

8.2   OFFLINE

- Hand notes
- Getting the information from experienced user

4. EMOTIONS: BEFORE / AFTER

EM

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