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

**Project Design Phase-I - Solution Fit Template** 

**Team ID: PNT2022TMID37936** 

certain species.

#### Define Explore AS, differentiate CC 1. CUSTOMER SEGMENT(S) 5. AVAILABLE SOLUTIONS 6. CUSTOMER CONSTRAINTS CS Need to always carry a CS, Ornithologist Network issues guidebook around everywhere fit into **Botanist** Insufficient knowledge Internet databases where we Zoologist about the biodiversity. must search for certain Students Cannot remember all the species from the mountain of Hiker basic life saving tips images from the web using Marine biologist Making observations modern algorithms. Research people among species. Usage of ai to tackle different Tourist complex difficulties in the wildlife. RC BE 9. PROBLEM ROOT CAUSE 7. BEHAVIOUR 2. JOBS-TO-BE-DONE / PROBLEMS J&P • Unable to identify sub species complexities in identification Volunteering for jobs of certain amphibians or birds. Information gathering where we can actively work with wildlife Cannot find a suitable place to Need to depend on external Finding rare and work in the workplace resources endangered species of Cannot find the exact habitat of Large dataset flora and fauna and help

them navigate in current

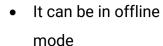
# 3. TRIGGERS

- 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**



- 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.

SL

# CHANNELS of BEHAVIOUR ONLINE



- capture image and search it
- Browse using the internet

# **OFFLINE**

- Hand notes
- Getting the information from experienced user