# Digital Naturalist – AI Enabled tool for Biodiversity Researchers
## Project Design Phase–II
## TEAM ID : PNT2022TMID36441

**SCENARIO**

Searching, Finding and Gathering information about Flora and Fauna

| | Entice — How does someone initially become knowledgeable of this process? | Enter — What do people experience as they begin the process? | Engage — In the core moments in the process, what happens? | Exit — What do people typically experience as the process finishes? | Extend — What happens after the experience is over? |
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**Steps** — What does the person (or group) typically experience?

| | Entice | | | Enter | | | Engage | | | Exit | | | Extend | |
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| Steps | Sees an animal or flower — The user explores the nature and finds some flowers or animals | Interested to know about it — The user takes a picture of the animal or flower he saw to know more about it | Searches for information — The user search through the internet and refers some books to learn about the animal or flower | Come across our application — The user is searching the internet about the animal or plant and came to know about our application | Visits the application — The user visits the application page and creates an account | Using the application — The user tries to upload the photo that he took before to know more information | Finds what the species is — The application shows what the animal or flower in the photo | Verifies the information — The user shares the information from the application with a Naturalist and confirms the facts | Gathering more info — The user tries to gather more information about the found species like its habitat, lifecycle etc. | Learns about the species — The user learns more information from the internet with the help of our application | Shares the application — The user shares the application with his/her collogues and friends | Reviews the application — The user reviews the application based on the accuracy of the application | Uses of it — The user thinks about the usage of the application to his community | Suggestions — The user tries to give some feedback/suggestions for new features that can be added to the application |

**Interactions** — What interactions do they have at each step along the way? People: Who do they see or talk to? Places: Where are they? Things: What digital touch points or physical objects would they use?

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| Interactions | People — The user itself, friends, other naturalists and collogues. | Place — Garden, Zoo, Sanctuaries or Forests. | Things — Smartphone / PC | People — The user itself. | Place — Home, Zoo Sanctuary or forests . | Things — Application website through Smartphone / PC | People — The user itself, friends, other naturalists and collogues. | Place — Home, Zoo Sanctuary or forests . | Things — Application website through Smartphone / PC | People — The user itself, friends, other naturalists and collogues. | Place — Home, Zoo Sanctuary or forests . | Things — Application website through Smartphone / PC | People — The user itself. Things — Application website through Smartphone / PC | Place — Home, Zoo Sanctuary or forests. |

**Goals & motivations** — At each step, what is a person's primary goal or motivation?

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| Goals & motivations | I need to explore this beautiful nature | Self motivates by exploring new things and seeing new species | Excites to learn about the species | I need to gather information about that species | I should gather the accurate information | I need to upload the right photo | Self motivates by seeing the information the application provides | I need to verify the accuracy of the information provided by the app | Aim to gather additional information | Let me share this and give awareness about the application to my community | Review the application with what I experience | | I should share some suggestions that makes the application more useful | |

**Positive moments** — What steps does a typical person find enjoyable, productive, fun, motivating, delightful, or exciting?

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| Positive moments | The user excites by seeing the new species | Gets happy by taking a good snap of that species | Searches for the information with curiosity | Motivates when the user sees a dedicated tool to help the problem | Uploads the image with eagerness | | Gets excited by seeing the results on the application | If the information was accurate, the user is motivated | Continues to search about the species with eagerness | The user excites by seeing the new species | Gets happy by taking a good snap of that species | Searches for the information with curiosity | | |

**Negative moments** — What steps does a typical person find frustrating, confusing, angering, costly, or time-consuming?

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| Negative moments | Gets frustrated if he/she snaps a bad picture | Gets frustrated if he/she doesn't find a new species | | If the application is too slow, the user gets frustrated | When the application doesn't work as expected, the user is disappointed | The user gets angry if the application doesn't take the particular file format | The identified species leads to confusing information | The application shows the incorrect information | The user is not satisfied if the application gives less information | Regrets using the application | Doesn't want to recommend or share this application to others | | The user is unhappy by the results of the application | |

**Areas of opportunity** — How might we make each step better? What ideas do we have? What have others suggested?

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| Areas of opportunity | Consider using the application on the spot | Try to take better pictures of the species | Take picture on different angles | Guest mode should be available so that user can use without registration | The application should be available offline | The application should support most of the file format | Application should be trained with various variety of species with enormous data | Proper information should be given while training the model | More data could be added for each species | Referral feature can be added | Rating of the application must be showcased inside the app | A platform for posting what others trying to search and help each other | Feedback / Suggestion should be collected inside the application | |