

# Digital Naturalist - An Enabled tool for Biodiversity Researchers

## Project Design Phase-II TEAM

### ID : PNT2022TMJD3806T

<div>SCENARIO</div> <div>Searching, Finding and Gathering information about Flora and Fauna</div>	<div> <b>Entice</b></div> <div>How does someone initially become aware of this process?</div>	<div> <b>Enter</b></div> <div>What do people experience as they begin the process?</div>	<div> <b>Engage</b></div> <div>In the core moments in the process, what happens?</div>	<div> <b>Exit</b></div> <div>What do people typically experience as the process finishes?</div>	<div> <b>Extend</b></div> <div>What happens after the experience is over?</div>										
<div> <b>Steps</b></div> <div>What does the person (or group) typically experience?</div>	<div>Sees an animal or flower</div> <div>The user explores the nature and finds some flowers or animals</div>	<div>Interested to know about it</div> <div>The user takes a picture of the animal or flower he saw to know more about it</div>	<div>Searches for information</div> <div>The user browses the internet and refers some books to learn about the animal or flower</div>	<div>Come across our application</div> <div>The user is searching the internet about the animal or plant and came to know about our application</div>	<div>Visits the application</div> <div>The user visits the application page and creates an account</div>	<div>Using the application</div> <div>The user tries to upload the photo that he took before to know more information</div>	<div>Finds what the species is</div> <div>The application shows what the animal or flower in the photo</div>	<div>Verifies the information</div> <div>The user shares the information from the application with a Naturalist and confirms the facts</div>	<div>Gathering more info</div> <div>The user tries to gather more information about the found species like its habitat, life cycle etc.</div>	<div>Learns about the species</div> <div>The user learns more information from the internet with the help of our application</div>	<div>Shares the application</div> <div>The user shares the application with his/her colleagues and friends</div>	<div>Reviews the application</div> <div>The user reviews the application based on the accuracy of the application</div>	<div>Uses it</div> <div>The user thinks about the usage of the application to his community</div>	<div>Suggestions</div> <div>The user tries to give some feedback/suggestions for new features that can be added to the application</div>	
<div> <b>Interactions</b></div> <div>What interactions do they have at each step along the way?</div> <div>People: Who do they see or talk to?</div> <div>Places: Where are they?</div> <div>Things: What digital touchpoints or physical objects would they use?</div>	<div>People</div> <div>The user itself, friends, other naturalists and colleagues.</div>	<div>Place</div> <div>Garden, Zoo, Sanctuaries or Forests.</div>	<div>Things</div> <div>Smartphone/PC</div>	<div>People</div> <div>The user itself.</div>	<div>Place</div> <div>Home, Zoo, Sanctuaries or Forests.</div>	<div>Things</div> <div>Application website through Smartphone/PC</div>	<div>People</div> <div>The user itself, friends, other naturalists and colleagues.</div>	<div>Place</div> <div>Home, Zoo, Sanctuaries or Forests.</div>	<div>Things</div> <div>Application website through Smartphone/PC</div>	<div>People</div> <div>The user itself, friends, other naturalists and colleagues.</div>	<div>Place</div> <div>Home, Zoo, Sanctuaries or Forests.</div>	<div>Things</div> <div>Application website through Smartphone/PC</div>	<div>People</div> <div>The user itself.</div>	<div>Place</div> <div>Home, Zoo, Sanctuaries or Forests.</div>	<div>Things</div> <div>Application website through Smartphone/PC</div>
<div> <b>Goals &amp; motivations</b></div> <div>At each step, what is a person's primary goal or motivation?</div>	<div>I need to explore this beautiful nature</div>	<div>Self motivates by exploring new things and seeing new species</div>	<div>Excited to learn about the species</div>	<div>I need to gather information about that species</div>	<div>I should gather the accurate information</div>	<div>I need to upload the right photo</div>	<div>Self motivates by seeing the information the application provides</div>	<div>I need to verify the accuracy of the information provided by the application</div>	<div>Aim to gather additional information</div>	<div>Let me share this and give awareness about the application to others</div>	<div>Review the application with what I experience</div>	<div>I should share some suggestions that makes the application more useful</div>			
<div> <b>Positive moments</b></div> <div>What steps does a typical person find enjoyable, productive, fun, motivating, delightful, or exciting?</div>	<div>The user excites by seeing the new species</div>	<div>Gets happy by taking a good snapshot of that species</div>	<div>Searches for the information with curiosity</div>	<div>Motivated when the user sees a dedicated tool to help solve the problem</div>	<div>Uploads the image with eagerness</div>	<div>Gets excited by seeing the results on the application</div>	<div>If the information was accurate, the user is motivated</div>	<div>Continues to search about the species with eagerness</div>	<div>The user excites by seeing the new species</div>	<div>Gets happy by taking a good snapshot of that species</div>	<div>Searches for the information with curiosity</div>				
<div> <b>Negative moments</b></div> <div>What steps does a typical person find frustrating, confusing, angering, costly, or time-consuming?</div>	<div>Gets frustrated if he/she snaps a bad picture</div>	<div>Gets frustrated if he/she doesn't find a new species</div>	<div>If the application is too slow, the user gets frustrated</div>	<div>When the application doesn't work as expected, the user gets frustrated</div>	<div>The user gets angry if the application doesn't take</div>	<div>The identified species leads to confusing information</div>	<div>The application shows the wrong information</div>	<div>The user is not satisfied if the application gives wrong information</div>	<div>Regrets using the application</div>	<div>Doesn't want to recommend or share this application to others</div>	<div>The user is unhappy by the results of the application</div>				
<div> <b>Areas of opportunity</b></div> <div>How might we make each step better? What ideas do we have? What have others suggested?</div>	<div>Consider using the application on the spot</div>	<div>Try to take better pictures of the species</div>	<div>Take picture on different angles</div>	<div>Guest modes should be available so that user can use without registration</div>	<div>The application should be available offline</div>	<div>The application should support most of the file formats</div>	<div>Applications should be trained with various varieties of species with the enormous data</div>	<div>Proper information should be given while training the model</div>	<div>More data could be added for each species</div>	<div>Referral feature can be added</div>	<div>Rating of the application must be showcased inside the app</div>	<div>A platform for posting what others are trying to search and help each other</div>	<div>Feedback/Suggestions should be collected inside the application</div>		