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Team ID	PNT2022TMID27577
Project Name	Project- digital Naturalist-AI Enabled tool for Biodiversity Research
Team Members	<ul style="list-style-type: none"> <li>• JOESHIBHA K,</li> <li>• NITHILA RUFINA J,</li> <li>• JEDIDAH BERYL BENITA SOLOMON,</li> <li>• ILAYANILA C G.</li> </ul>

## User Journey

A user Journey guide to provide a quick and clear understanding of the project.

1. Phases	Requirements needed	Image Collection	Image processing and segmentation	Getting the resulting image
2. Steps	<div>Select parameters and segregate</div> <div>Pedict methods</div> <div>Identifying of Species</div>	Capture a visible image of the species and upload the image to the internet for proper storage and later retrieval.	Use image detection algorithms to detect the species rejecting the unnecessary ones. Next process, analyze and segment accordingly.	Resulting Species are identified using advanced AI, NLP algorithms.
3. Feelings	<div>Introduction of exotic species</div> <div>  <div>Habitat degradation</div> </div> <div>Overexploitation of species for human use</div>	Highly specific data required to detect. More quality in image collection is quite difficult. 	 <div>Difficult to manage massive data sets and over time.</div>	<div>Its challenging to provide accurate results yet it much feasible on identification.</div> 
4. Problems	<div>Failing to optimize usage of bandwidth</div> <div>Traffic spikes</div> <div>Slow Server loading time</div>	Lack of resources and technology lead to a downfall, which are due to pollution, climate changes, land usage, etc.	Collecting huge data sets is expensive, yet it provides better results. Incorrect results are only dur to lack of efficiency or insufficiency.	It still requires a high level of data with good quality and efficiency which might not be easy attain.
5. Opportunities	<div>Sustainable solution</div> <div>Supports local and regional projects</div> <div>Gather public feedback frequently</div>	Image idntification increases efficiency, providing a much accurate and quick result.	Excellent output are obtained with appropriate image identification.	Proper Decision making helps provide a base and speeds up the prediction process with the necessary requirements, providing efficient results.