Project Design Phase I

Problem Solution Fit

Date	13 November 2022
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Project Name	**Digital Naturalist - AI Enabled tool for Biodiversity Researchers**
Maximum Marks	2 Marks

Problem Solution Fit:

Customer/Targeted people	• Biologists • Hikers • Trekkers • Naturalists • Wildlife Photographers • Thalassophiles
Problems	The key challenges that emerge are critical intersections between field biology and computational media. There should be a recognition software that can able to recognize the photographed species in any angle
Limitations	• One cannot determine the nature of the species • And has trouble in recognizing and specifying the classes
Available solution	• Accessing state government tourism portal to know about native species • Communicating with native people • Encyclopedia • Flora-fauna information desk
Customer Constraints	Unavailability of one step solution Unable to store large amount of data
Behaviours	• People mostly surf thorough the internet to avail the information

	• They gain knowledge by accessing the resources • that are available online
Root cause	• Unable to gain enough knowledge • There is always very less amount of information available on internet
Solution	**This project intends to develop a software application that recognizes various species using supervised learning that takes images of species as the inputs and provides various the information about those species.**