Project Design Phase

Proposed Solution

Date	23 October 2023
Team ID	Team-592716
Project Name	FELINAI: HARNESSING ARTIFICIAL INTELLIGENCE FOR FELIS TAXONOMY CLASSIFICATION
Maximum Marks	2 Marks

Proposed Solution:

S.No	Parameter	Description
1.	Problem Statement (Problem to be Solved)	The problem is the lack of an accurate, user-friendly platform for classifying felis species using Convolutional Neural Networks (CNNs). Existing solutions may lack precision and user-friendliness, leaving enthusiasts, students, and researchers frustrated and dissatisfied. This problem needs an effective solution to provide reliable species identification and an engaging educational experience.

2.	Idea / Solution description	The proposed solution is a felis species classification website powered by a CNN. It's designed to be highly accurate, user-friendly, and engaging. Users can upload images of felis species, and the system leverages the CNN to provide precise identifications. It includes an intuitive image upload process, educational species profiles, interactive quizzes, a community forum, and a classification confidence score to ensure an informative and enjoyable journey for users.
3.	Novelty / Uniqueness	What sets this solution apart is its combination of cutting-edge CNN technology with user-friendly features. The novelty lies in the accuracy of the image classification system and the educational content provided. The inclusion of a classification confidence score and an interactive learning environment further distinguishes it from existing platforms, offering a holistic and unique experience for felis enthusiasts.

4.	Social Impact / Customer Satisfaction	The solution has a positive social impact by fulfilling the need for accurate felis species identification and education. It empowers enthusiasts, students, and researchers to better understand and appreciate felis species, fostering a deeper connection with the natural world. Customer satisfaction is ensured through high accuracy, educational content, and user engagement features, enhancing the overall educational experience.
5.	Business Model (Revenue Model)	Our project is primarily educational and not intended to generate revenue. It is focused on providing a free and accessible resource for felis species classification and education. We are committed to ensuring that all users can benefit from the platform's features without any financial obligations. Our primary goal is to deliver a high-quality educational experience to felis enthusiasts, students, and researchers.

6.	Scalability of the Solution	The solution is designed to be simple and efficient, suitable for educational purposes. While scalability is not a primary concern, the system can easily accommodate a growing user base. As it doesn't expect a high volume of users, the platform is well-suited to handle the expected traffic without the need for complex scalability measures.