Ahmedabad
University

Course Name: Machine Learning

Project Report: 5

Group No: 7

Submitted to faculty: Prof. Mehul Raval

Date of Submission: 5 April, 2025

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⇒ **Current Week Progress:**

→ This week, we have worked on the coding part for our project. In that, we faced so many errors about files not found and the folder uploading error because of the large dataset size, we faced errors in uploading them and it was very time consuming. For the file not found error, we have fixed the MODEL_PATH and Folder path so many times. Also, in the cv2.imread(), we faced some errors like the file was corrupted. Also, we got the error in the unreadable file. The content was empty. Also, we checked the file size in bytes by git bash commands. After some trials, we got the correct file size. Also, we skipped some corrupted files by "skip" keyword in python for the not loaded images.

→ Also, we got the feature extraction errors somewhere. We got the value error for the hog function. It means not unpacking correctly. We got the library errors that we got last week. We faced most of the problems in the module name and found no errors. Those errors came because of missing some libraries. So we solved all those errors by the pip install and scikit-learn opencv python. Also, we got the prediction errors and not came the correct bounding boxes at the required places like around the dorsal scute patterns.

→ However, we are solving these errors. Some of them are solved already and some of them are still solving. In this week, overall we have completed the main workings of the programming part.

⇒ **Next week planning:**

→ In the next week, we are planning to complete the coding part and we will complete the biometric identification for the mugger crocodiles. We are solving all errors, who come in our project code and in outputs. We will complete the detection of the mugger crocodiles by the sliding bounding boxes around the mugger.

→ Also, we will complete most of part of our project. Some small parts like if there is something missing in our project, so we will complete those all things and start working on the report of our project. So, the overall planning of the next week is to improve the code for some small required things and correct detection of mugger crocodiles. Also, another plan is to start working on the report and presentation slides.