



Course Name: Machine Learning

## Weekly Report: 1

Group No: 7

Submitted to faculty: Mehul Raval

Date of Submission: 15 Feb 2025

### Student Details

Roll No.	Name of the Student	Name of the Program
AU2240165	Mitul Ranpariya	B.Tech in CSE
AU2240166	Dhruv Patel	B.Tech in CSE
AU2240172	Parth Mevada	B.Tech in CSE
AU2240193	Pratik Malviya	B.Tech in CSE
AU2240195	Sameer Gediya	B.Tech in CSE

Table of Contents.

**Table of Contents.....2**  
**Work Done This Week:..... 3**  
**Work To be done next week:.....3**

## Work Done This Week:

This week, we did some research on the YOLO and inception methods. In those, we saw some efficiency of both methods, that is the YOLO technique uses bounding boxes and the inception technique does not use the bounding boxes. Also, we saw photos of the research paper of mugger crocodiles of Charotar and Vadodara, which are places of Gujarat. Also, we have got some information about the UAV. Also, we have found some dorsal bodies of the mugger crocodile. There are many RCNN models of the mugger crocodile. Our group needed to use the YOLO (You only look once), so we saw some patterns of red circles on the dorsal body of a mugger crocodile.

## Work To be done next week:

For the next week, we are planning to do some more searching about the different techniques, see some new papers and try to do some scripts