CODE CLUB;
CCOEW;

MKSSS's
Cummins
COLLEGE OF ENGINEERING
FOR WOMEN

SCIENTIFIC IMAGE CLASSIFICATION

BIOVISION

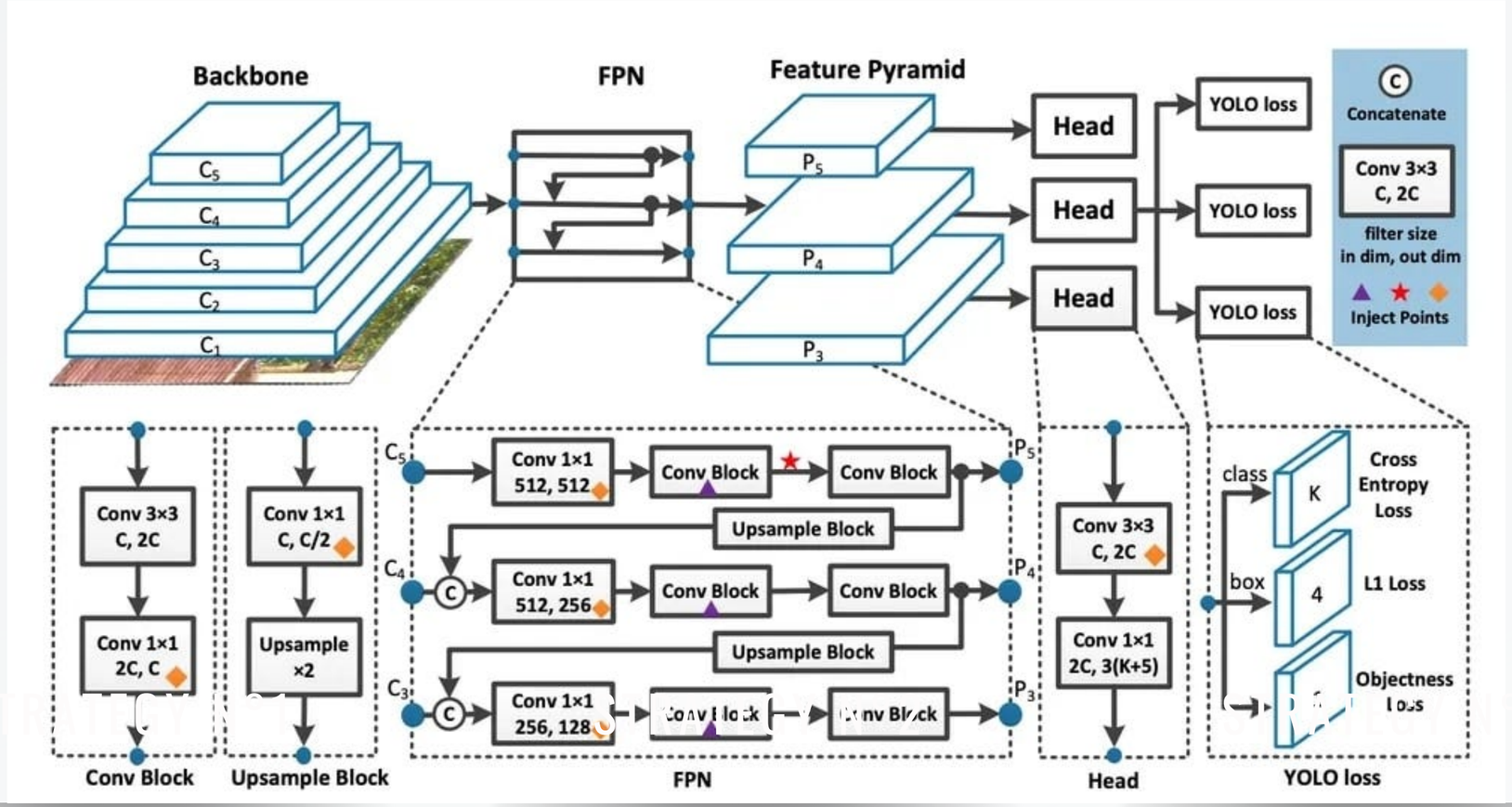
Team Name: CodeNoMad

Domain: Health & Wellness

PROBLEM STATEMENT

Due to limited labs and a growing population, there's a need to speed up medical test results. Lab professionals are overwhelmed with work and resources are scarce. Developing a deep learning-based Scientific Image Classifier can help solve these issues, ensuring faster and more efficient healthcare.

OUR MODELS ARCHITECTURE



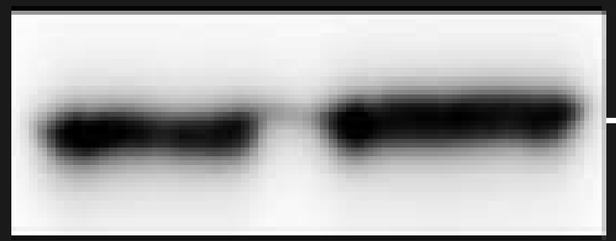
WHY USE OUR MODEL

Provides Real-Time prediction.

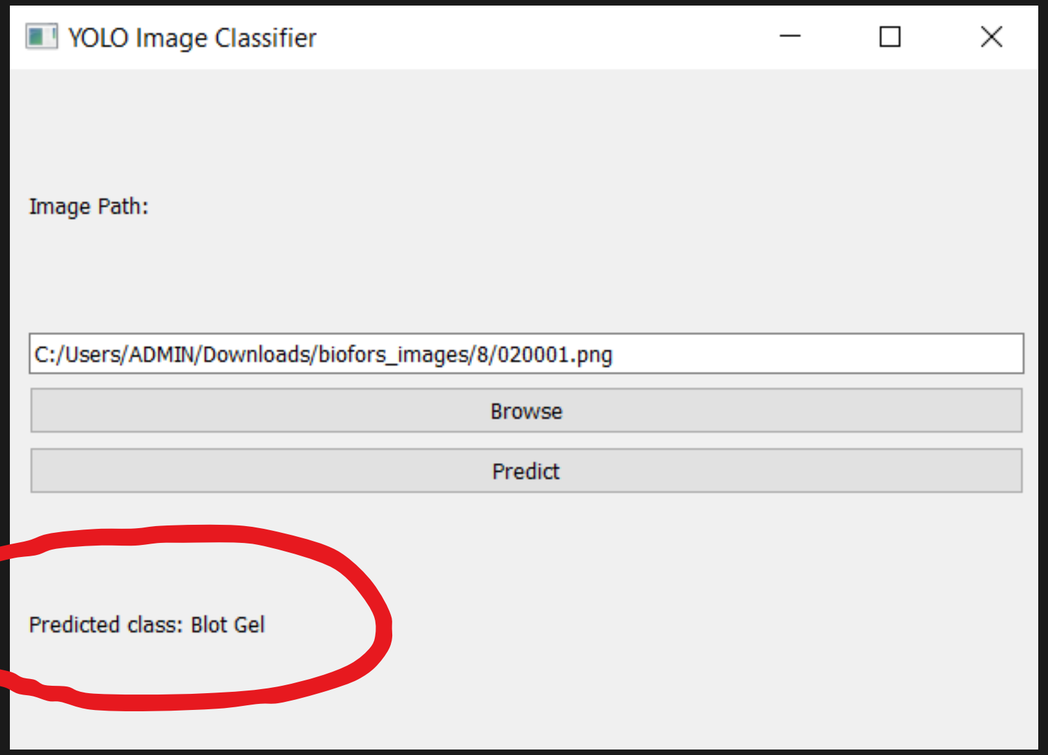
Is trained on more than 1500 images.

Is Highly accurate

DEMO



Input

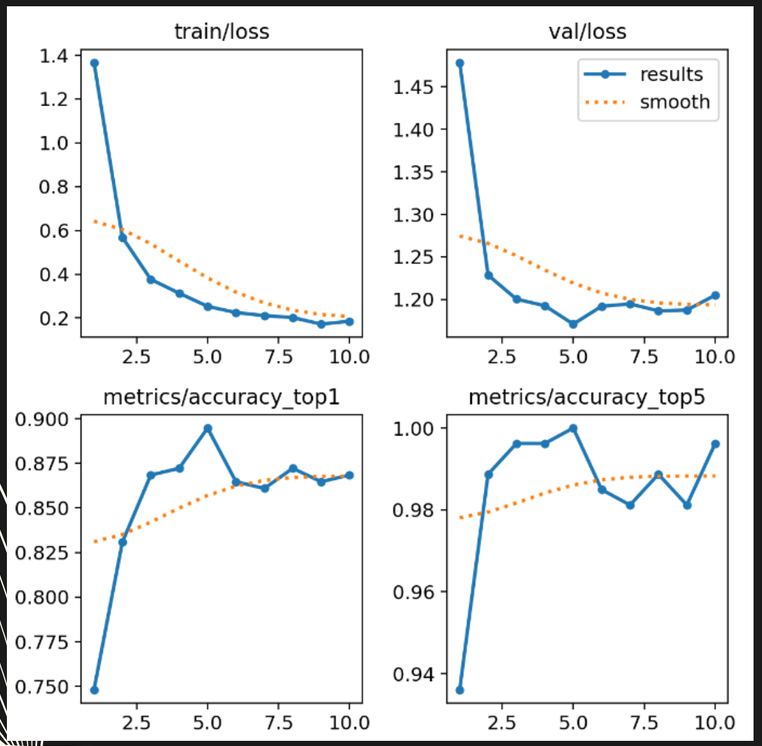


Output

STATISTICS

99.6% ACCURATE

epoch	train/loss	metrics/accuracy_top1	metrics/accuracy_top5	val/loss
1	1.367	0.74812	0.93609	1.4785
2	0.56879	0.83083	0.98872	1.2287
3	0.37664	0.86842	0.99624	1.2004
4	0.31333	0.87218	0.99624	1.1927
5	0.25348	0.89474	1	1.1711
6	0.22505	0.86466	0.98496	1.1921
7	0.21126	0.8609	0.9812	1.1948
8	0.20225	0.87218	0.98872	1.1867
9	0.1723	0.86466	0.9812	1.1876
10	0.18544	0.86842	0.99624	1.2051



TECH-STACK

Front-end

PYQT5

Back-end

Python

Libraries

Utralytics
Pandas
Matplotlib
OS

THANK YOU