
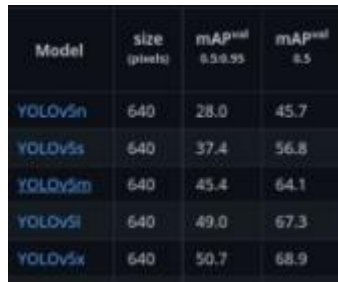


**Project Development
Phase Model
Performance Test**

Date	17 November 2022
Team ID	PNT2022TMID42289
Project Name	VirtualEye - LifeGuard for Swimming Pools to Detect Active Drowning
Maximum Marks	10 Marks

Model Performance Testing:

Project team shall fill in the following information in the model performance testing template.

S.No.	Parameter	Values	Screenshot																								
1.	Model Summary	-																									
2.	Accuracy	Training Accuracy - 60 Validation Accuracy - 56	 <table border="1"> <thead> <tr> <th>Model</th> <th>size (pixels)</th> <th>mAP^{train}</th> <th>mAP^{val}</th> </tr> </thead> <tbody> <tr> <td>YOLOv5n</td> <td>640</td> <td>28.0</td> <td>45.7</td> </tr> <tr> <td>YOLOv5s</td> <td>640</td> <td>37.4</td> <td>56.8</td> </tr> <tr> <td>YOLOv5m</td> <td>640</td> <td>45.4</td> <td>64.1</td> </tr> <tr> <td>YOLOv5l</td> <td>640</td> <td>49.0</td> <td>67.3</td> </tr> <tr> <td>YOLOv5x</td> <td>640</td> <td>50.7</td> <td>68.9</td> </tr> </tbody> </table>	Model	size (pixels)	mAP ^{train}	mAP ^{val}	YOLOv5n	640	28.0	45.7	YOLOv5s	640	37.4	56.8	YOLOv5m	640	45.4	64.1	YOLOv5l	640	49.0	67.3	YOLOv5x	640	50.7	68.9
Model	size (pixels)	mAP ^{train}	mAP ^{val}																								
YOLOv5n	640	28.0	45.7																								
YOLOv5s	640	37.4	56.8																								
YOLOv5m	640	45.4	64.1																								
YOLOv5l	640	49.0	67.3																								
YOLOv5x	640	50.7	68.9																								
3.	Confidence Score (Only Yolo Projects)	Class Detected - Person Confidence Score - 83%	