


**Project Development Phase**  
**Model Performance Test**

Date	17 November 2022
Team ID	PNT2022TMID38853
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<sub>val</sub> 0.5:0.95</th><th>mAP<sub>val</sub> 0.5</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 <sub>val</sub> 0.5:0.95	mAP <sub>val</sub> 0.5	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
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3.	Confidence Score (Only Yolo Projects)	Class Detected - Person Confidence Score - 83%	