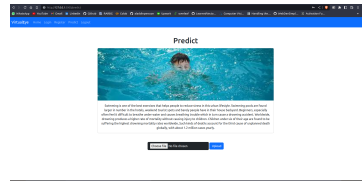
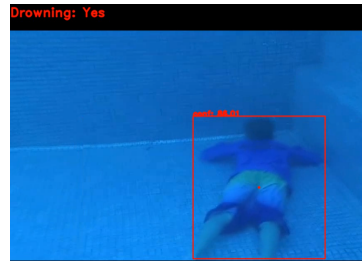


Project Development Phase Model Performance Test

| | |
|---------------|---|
| Date | 17 November 2022 |
| Team ID | PNT2022TMID00795 |
| 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>mApval 0.5:0.95</th><th>mApval 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) | mApval 0.5:0.95 | mApval 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 |
| Model | size (pixels) | mApval 0.5:0.95 | mApval 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 | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. | Confidence Score (Only Yolo Projects) | Class Detected - Person Confidence Score - 83% |  | | | | | | | | | | | | | | | | | | | | | | | | |