LITERATURE SURVEY

Date	**31 September 2022**
Team ID	**PNT2022TMID24074**
Project Name	**Virtual Eye - Life Guard for Swimming Pools to Detect Active Drowning**
Maximum Marks	**8 Marks**

Virtual Eye - Life Gaurd for Swimming pools to detect Active Drowning.

Category: Artificial Intelligence.

Team Members:

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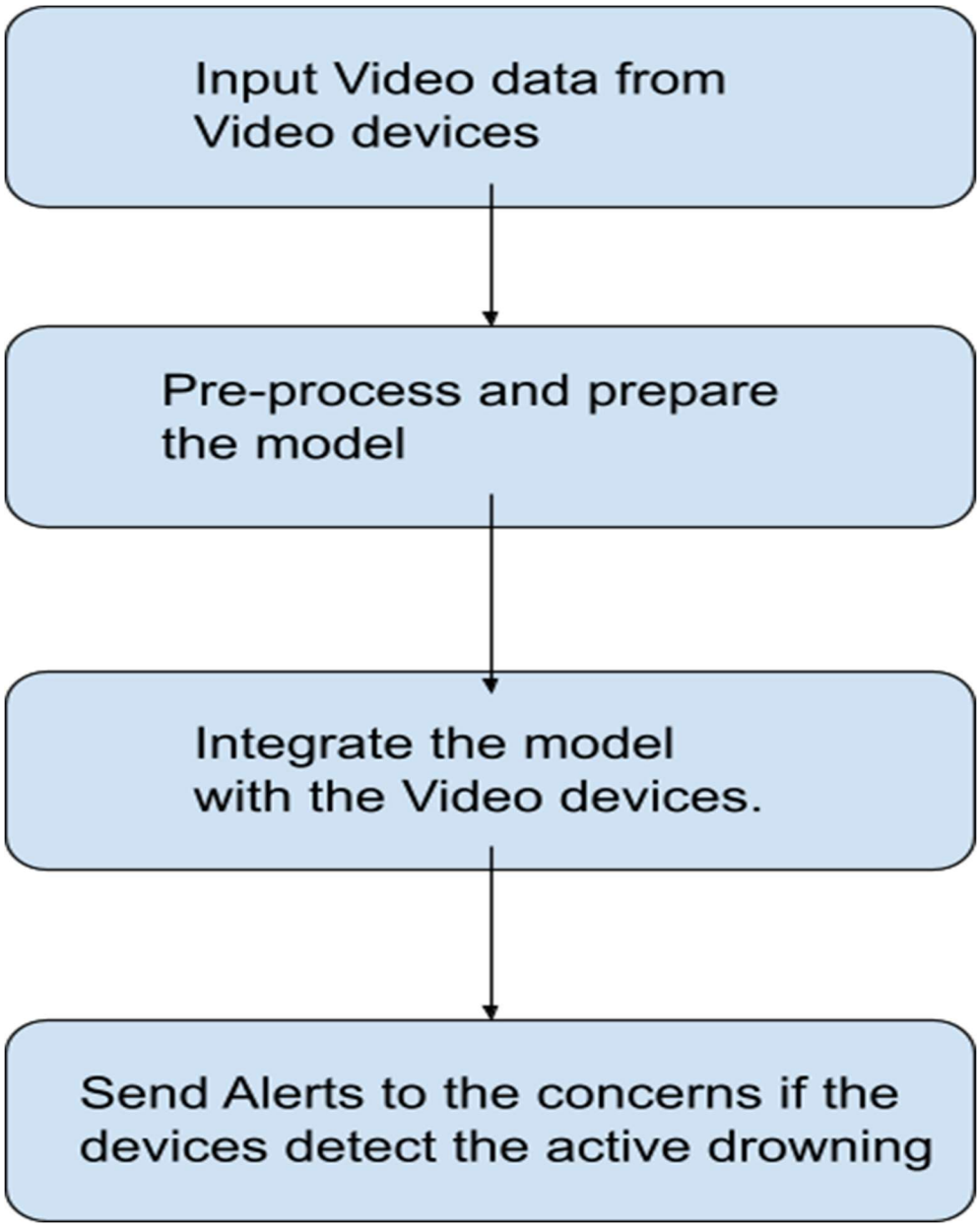
Project Use Case:



Existing Solutions:

- Angel Eye
- Swim Eye etc, all these are paid solutions available in the market.

References and Technical papers:

[1] Global report on drowning http://www.who.int/violence_injury_prevention/publications/drowning_global_report/Final_report_full_web.pdf Ju1 2018

[2] 5 Stages of drowning http://www.dedhamhealthfoundation.org/water/victimrecognition/stages-of-drowning/ Ju1 2018

[3] Life Guard Training https://public.rcas.org/hs/chs/chshomework/Lists/Swimming/Attachments/805/Life%20Guard%20Training%201.do cm Ju1 2018

[4] Kingi wearables http://www.kingii.com/kingii_wearable.html Jul 2018

[5] Zou Xu; Wang Tingjun; Liu Lujun; Liao Zhonghao; Fan Jiayang; Zhang Yuanfei; Zeng Shun, Swimming Pool Anti-Drowning Monitoring System. CN107134116A

[6] Wai Kit Wong, Joe How Hui, Chu Kiong Loo and Way Soong Lim, "Off-time swimming pool surveillance using thermal imaging system", International journal of innovative computing, information and control, vol. 9 (3), 2013, pp. 366-371

[7] Chi Zhang and Xiaoguang Li, "A Novel Camera-Based Drowning Detection Algorithm", Proceedings of Advances in Image and Graphics Technologies, Beijing, China, June 2015, pp. 224-233

[8] Lei Fei, Wang Xueli and Chen Dongsheng, "Drowning Detection Based on Background Subtraction".