PROJECT DESIGN PHASE II

DATA FLOW DIAGRAMS

DATE	16 October 2022
TEAM ID	PNT2022TMID51072
PROJECT NAME	Virtual Eye - Life Guard For Swimming Pools ToDetect Active Drowning
MAXIMUM MARKS	2 Marks

FLOW DIAGRAMS:

RGB image converted to gray scale image

Starting from K odd frames adjusted the background model

Model initialization

Update the sample of maximum Euclidian distance in M(x) with 1/φ ratio

Odd Fram Thresh holding > Similarity

Y

N

Background model

Randomly selected N pixel values from neighborhood of f(x,y) and record Euclidian distance

Foreground detection

Difference between f(x,y) and corresponding N samples

N

Y

$n_t(x,y)+1$

Foreground

N

>#min

Y

Over

Model updating

Y