Project Design Phase – 2
Data Flow Diagram & User Stories

Date	3 November 2022
Team ID	PNT2022TMID24074
Project Name	Virtual Eye - Life Guard for Swimming Pools to Detect Active Drowning
Maximum Marks	4 Marks

Data Flow Diagram

In-path safety function

Child app

Guardian app

Acquiring location coordinates

Server

Receiving location coordinates

Is the child near the alarm points?

No

Yes

Reminding the child by voice

Draw tracks

Is the state information button pressed?

Yes

Does the child runs in the car speed, excessively deviate from roads, or loiter in the high-risk areas for too long time?

Announcing state information by voice

No

Is the child's state abnormal?

Yes

Warning the child by voice

Warning the guardian by voice