

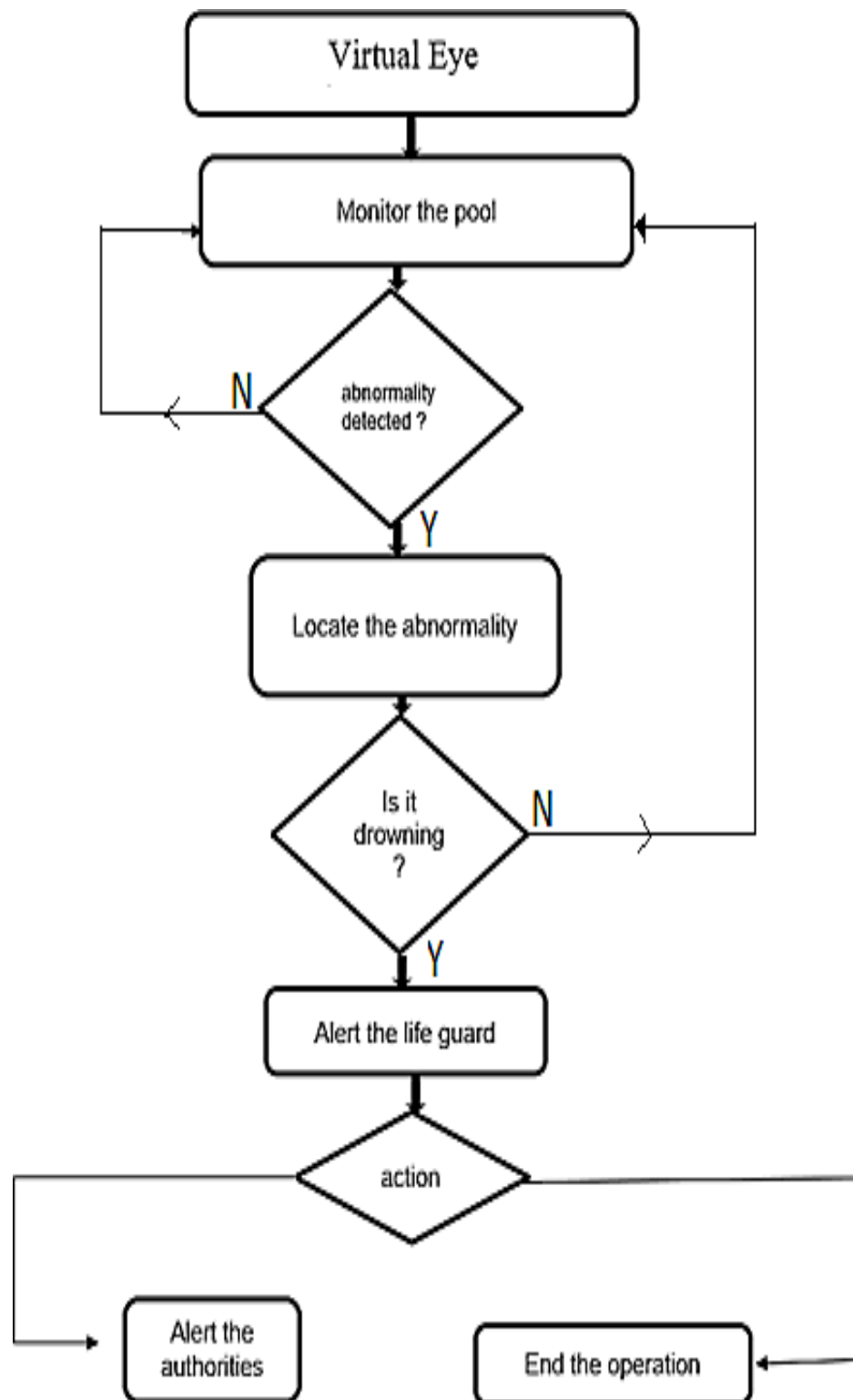
**Project Design Phase-II**  
**Data Flow Diagram & User Stories**

<b>Date</b>	<b>15 October 2022</b>
<b>Team ID</b>	<b>PNT2022TMID23045</b>
<b>Project Name</b>	<b>Project – Virtual Eye - Life Guard for Swimming Pools to Detect Active Drowning</b>
<b>Maximum Marks</b>	<b>4 Marks</b>

**Data Flow Diagrams:**

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.

A data flow diagram (DFD) is a graphical or visual representation using a standardized set of symbols and notations to describe a business's operations through data movement. They are often elements of a formal methodology such as Structured Systems Analysis and Design Method (SSADM)



**User stories:**

<b>User Type</b>	<b>Functional Requirement(Epic)</b>	<b>User Story Number</b>	<b>User Story/ Task</b>	<b>Acceptance criteria</b>	<b>Priority</b>	<b>Release</b>
Customer / Pool Owner Primary user	Installation	USN-1	As a user, I believe Virtual eye has created more security in the pool , Incase of any accidents it can provide fast response to the problem. As a owner I , more customers come to the pool due to increased security.	I can install this system and save myself also other swimmers from any accidents that may occur in the pool.	High	Sprint-1

Lifeguard Secondary User	User	USN-2	As an user ,I would receive alertsfrom the system to rescue victims. I will immediately alert the authorities in case of critical situations also rescue thehelpless victims from losing their lives.	I can receive alerts from the system in case there are any potential drowners , amateur swimmers can be saved from critical situations.	High	Sprint-1
Swimmer Tertiary User	Rescuing	USN-3	As a user,I am thankful to the systemfor alerting the lifeguard on duty at the right time.	I can swim freely knowing that if I were to potential ly drown, VirtualE ye will alert the lifeguard to save me.	Low	Sprint-2