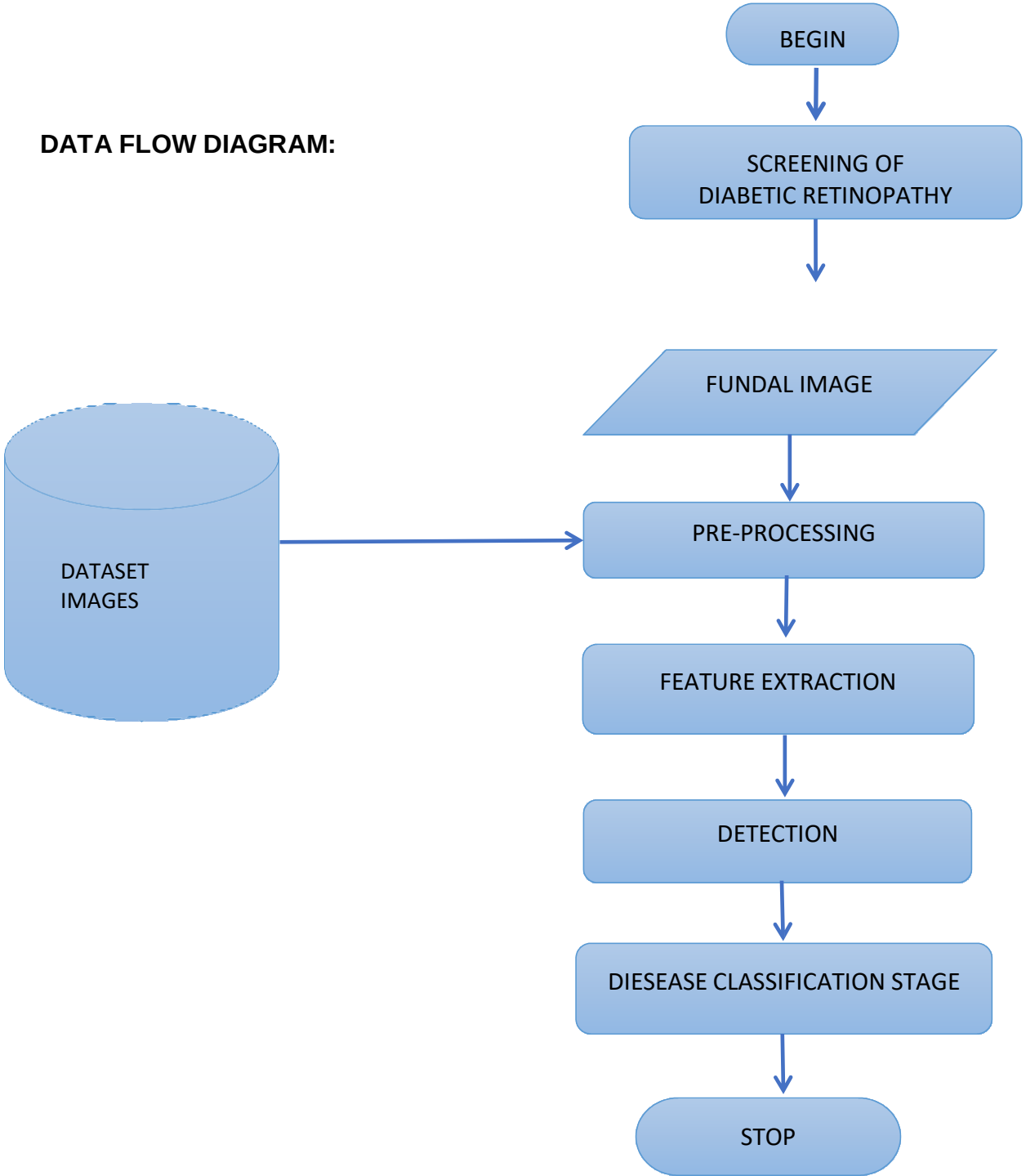
Project Design Phase-II
Data Flow Diagram & User Stories

Date	10 October 2022
Team ID	PNT2022TMID03873
Project Name	Deep Learning Fundus Image Analysis for Early Detection of Diabetic Retinopathy
Maximum Marks	4 Marks

Data Flow Diagrams:

The classic visual representation of how information moves through a system is a data flow diagram (DFD). A tidy and understandable DFD can graphically represent the appropriate quantity of the system demand. It demonstrates how information enters and exits the system, what modifies the

DATA FLOW DIAGRAM:



User Stories

Use the below template to list all the user stories for the product.

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer (Mobile user)	Registration	USN-1	I can upload a photograph of my eye and add information to see if I have retinopathy or not.	I can take or upload images.	High	Sprint-1
	Screening method	USN-2	As a user, I can see how the approach is more effective and precise.	It prevents the chances of unwanted infections in the patient's eye	High	Sprint-1
		USN-3	As a user, I can use it with minimal physical interaction with the device.	If a patient is unable to visit the hospital or clinic, I can bring the device to their home.	High	Sprint-2
	Physical feature	USN-4	As a user, I can attest to its portability and lightness.	I'm confident that I can complete the screening process without hesitation or fear.	Low	Sprint-2
	safety	USN-5	I can feel secure as a user because the detection method uses no radiation.	The main fear factor preventing patients from entering the hospital is pain from tests..	High	Sprint-4
Customer (Diabetic Patient)	Testing	USN-6	As a user, I don't have to worry about feeling pain because this method is painless.	The main fear factor that keeps patients from visiting the hospital is pain associated with tests.	Medium	Sprint-2
		USN-7	I will feel at ease as a user because there has to be little to no human interaction.	AI technology is used in conjunction with a computer robot to conduct the screening.	Low	Sprint-4

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
	Results	USN-8	I can trust the results as a user without any reservations.	Due to the use of contemporary approaches combined with machine learning	High	Sprint-3
		USN-9	I can gain from the outcome as a user because it will let me know.	It can shield me from losing my vision.	High	Sprint-1
		USN-10	As a user, I can receive the outcomes right away following the screening procedure..	It stops further treatment procedure delays.	Low	Sprint-4
Customer (Public Sector/Private Sector)	Cost Efficiency	USN-11	I can connect with a lot of people who have diabetes as a user	Diabetic patients are more vulnerable to Diabetic Retinopathy.	Medium	Sprint-1
		USN-12	As a user, I can encourage diabetic patients to get regular screenings..	Patients will find the technique to be very helpful because it is inexpensive..	Low	Sprint-3
	Results	USN-13	I can finish the screening for one patient as a user in a matter of minutes.	The device's random outcomes generate time-saving results.	High	Sprint-2