Project Design Phase-II
Data Flow Diagram & User Stories

Date	15 October 2022
Team ID	PNT2022TMID34131
Project Name	Deep Learning Fundus Image Analysis for Early Detection of Diabetic Retinopathy
Maximum Marks	4 Marks

Data Flow Diagrams
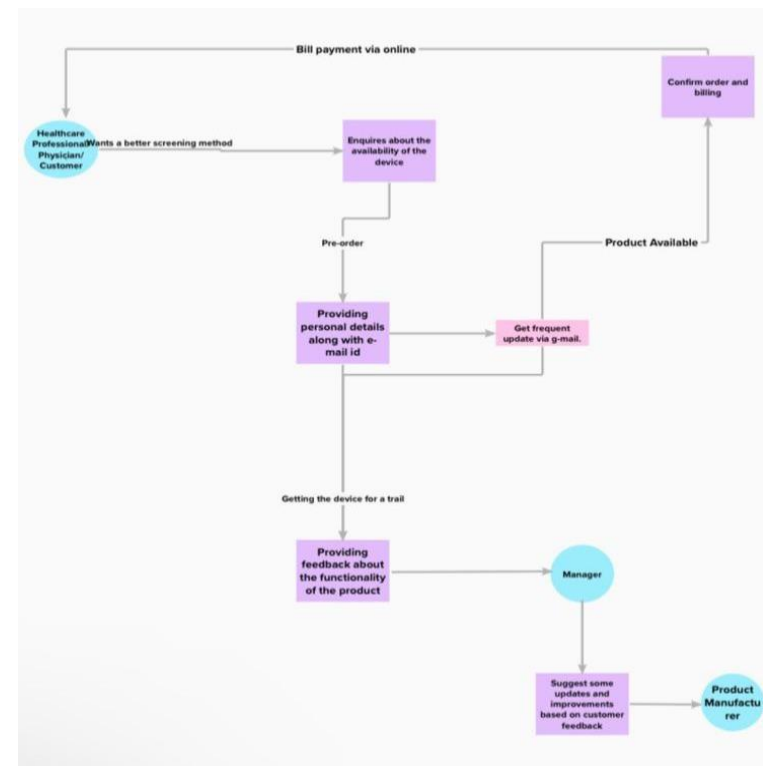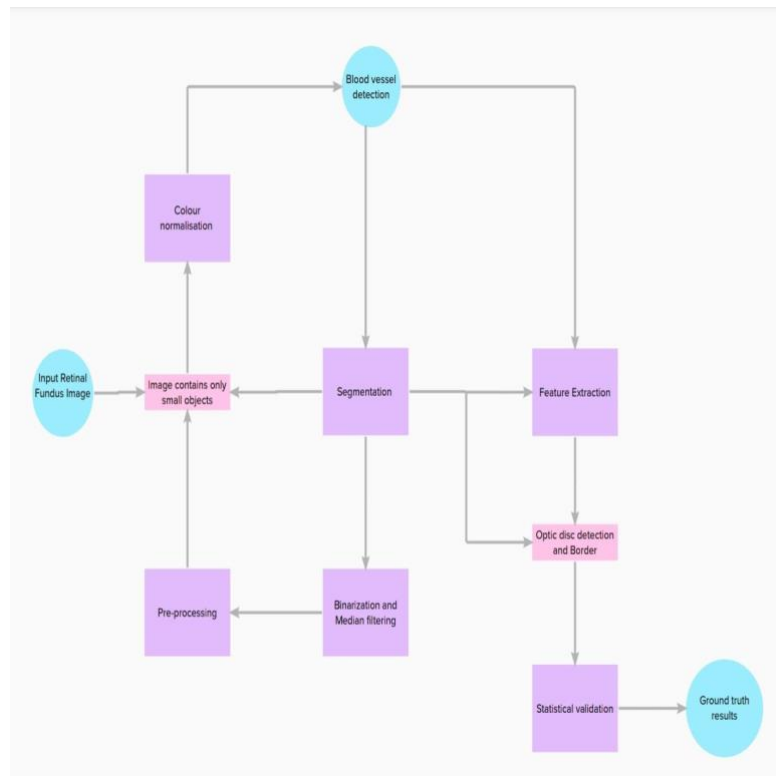
User Stories

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 (Healthcare Professional)	Screening method	USN-1	As a user, I can find the method more efficient and accurate.	I can reach many patients who could benefit from it.	High	Sprint-1
		USN-2	As a user, I can use it with minimal physical interaction with the device.	It prevents the chances of unwanted infections in the patient's eye.	High	Sprint-2
	Physical features	USN-3	As a user, I can find it portable and light weight.	I can take the device to the residence of patients if they are unable to visit the hospital/clinic.	Low	Sprint-2
	Safety	USN-4	As a user, I can be safe as the detection method is free from radiations.	I can perform the screening procedure without any fear and hesitation.	High	Sprint-4
Customer (Diabetic Patient)	Testing	USN-5	As a user, I can undergo testing without any fear of pain as this method is pain-free.	Pain due to testing is the major fear factor that prevents the patients from visiting the hospital.	Medium	Sprint-2
		USN-6	As a user, I will be comfortable as it requires minimum/no human involvement.	The screening is carried out using a computer robot along with the aid of AI technology.	Low	Sprint-4
	Results	USN-7	As a user, I can rely on the results without any suspicion.	The technique is almost 100% efficient as it involves Modern techniques incorporated with Machine Learning	High	Sprint-3
		USN-8	As a user, I can benefit from the result as it will help me know whether treatment is necessary or not.	It can prevent me from vision loss.	High	Sprint-1
		USN-9	As a user, I can get the results on the spot immediately after the screening process.	It prevents further delay in the treatment process.	Low	Sprint-4

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer (Public Sector/Private Sector)	Cost-effectiveness	USN-10	As a user, I can reach many people suffering from diabetes.	Diabetic patients are more vulnerable to Diabetic Retinopathy.	Medium	Sprint-1
		USN-11	As a user, I can create awareness among diabetic patients to undergo frequent screening.	As the technique is of low cost, patients will find it very useful.	Low	Sprint-3
	Results	USN-12	As a user, I can complete the screening process within minutes for a single patient.	The random results generated by the device saves time.	High	Sprint-2