

Project Design Phase-II

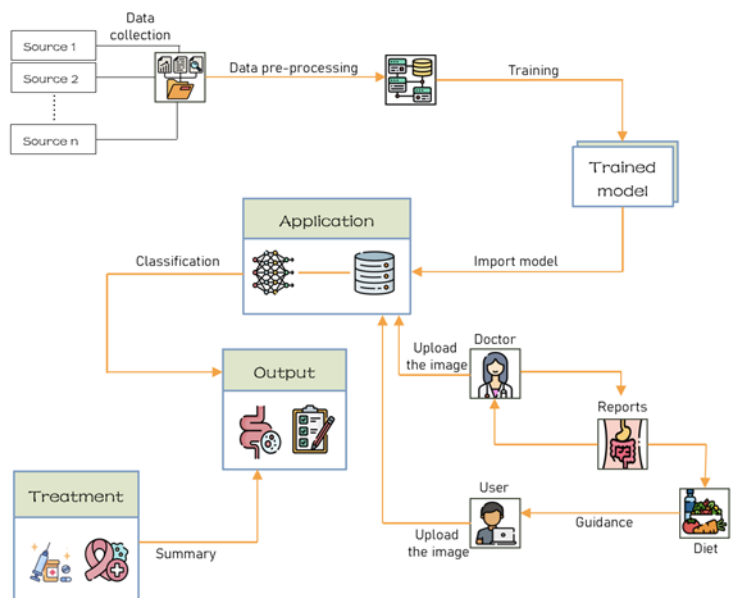
Data Flow Diagram & User Stories

Date	11 November 2023
Team ID	Team-591562
Project Name	WCE Colon Curated Disease Classification using Deep Learning
Maximum Marks	4 Marks

Data Flow Diagram:

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.

1. User opens the application for WCE process classification and logs in with the credentials provided at the hospitals.
2. User then uploads the scanned image during the WCE process.
3. The algorithm then starts to identify the patterns.
4. The pattern predictions are noted and are classified accordingly as trained by the dataset.



User Stories:

User Type	Functional Requirement	User Story Number	User Story / Talk	Acceptance Criteria	Priority	Release
Gastro Surgeon	User registration	USN - 1	I am able to login this app by providing my email, name and by providing a secure password	Create profile	High	Sprint - 1
Research collaborator	User registration	USN - 2	I can access this app by email and password and can update my profile	Update and access the profile	High	Sprint - 1
Patient 1	User registration	USN - 3	I can login to this app using my phone number and OTP	Create profile	Medium	Sprint - 2
Healthcare professional	Image classification	USN - 4	I am able to get the accurate predict for the scanned image in less time	Health analysis	High	Sprint - 1
Guardian of a patient	Health care	USN - 5	I am able to balance my father's diet as prescribed after the reports are classified	Health analysis	Medium	Sprint - 2
Tester	Testing & quality assurance	USN - 6	I can conduct series of tests on this model to check accuracy and functionality	We could create website too	Medium	Sprint - 3
Patient 2	User support	USN - 7	I am able to get customer support via chat to seek assistance	Guidance to use	High	Sprint - 1
Nurse	Health care	USN - 8	I can get the reports for the image on spot accurately and they can be downloaded as a pdf file	Record the results	Medium	Sprint - 3