AI BASED CLASSIFICATION AND LOCALIZATION OF SKIN DISEASES USING ERYTHMA

TEAM MEMBERS

MEENALOCHINI

SINEKA

SUBITCHA

YOKHA LAKSHMI

VIJAYALAKSHMI

Project Design Phase-II

Data Flow Diagram & User Stories

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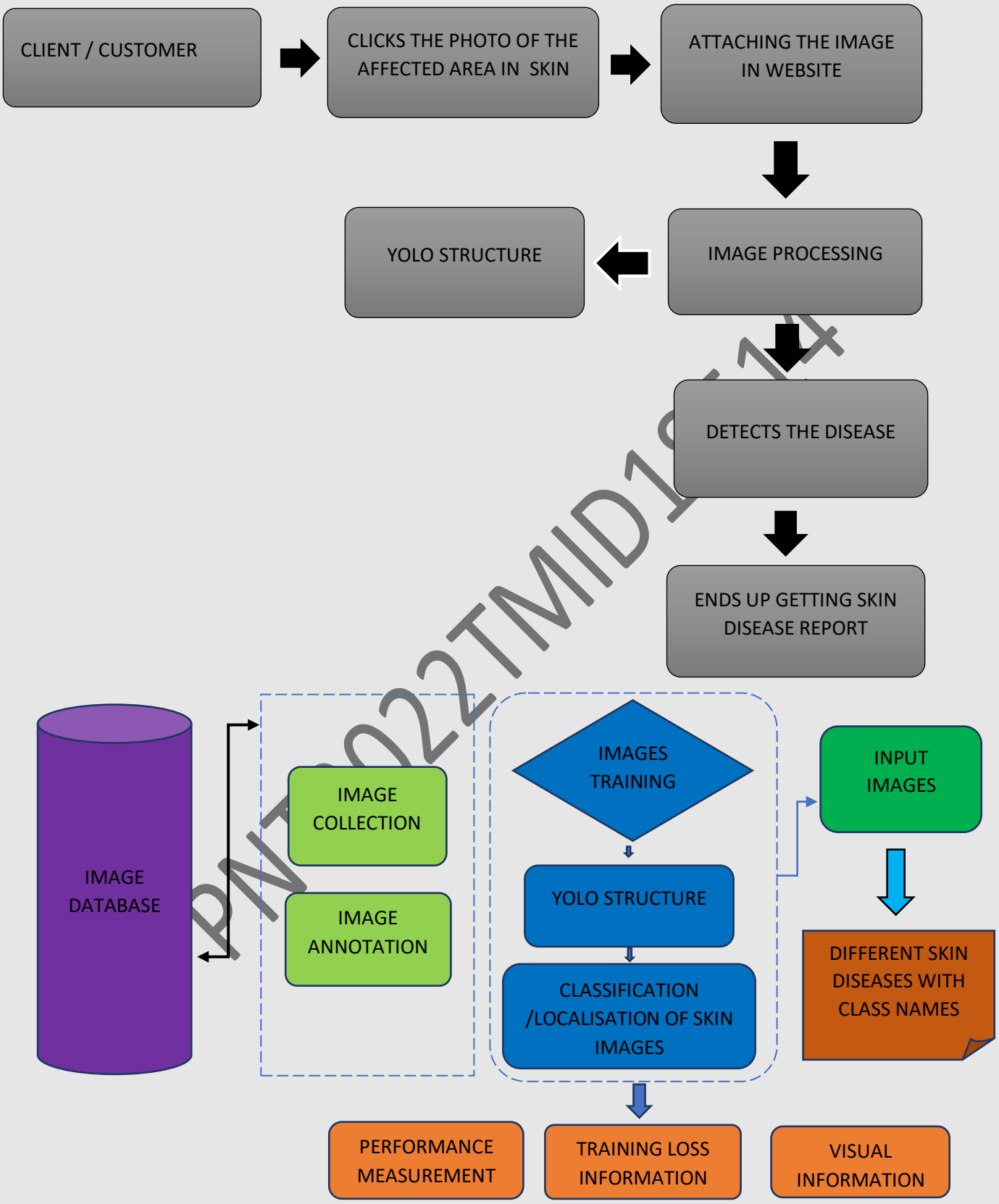
Team ID	**PNT2022TMID18514**
Project Name	**AI-based localization and classification of skindisease with erythema**
Maximum Marks	**4 Marks**

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.

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer	Registration	USN-1	As a user, I can register for the application byentering my username and password, and confirming my password.	I can access my account / dashboard	High	Sprint-1
	Confirmation	USN-2	As a user, I will be redirected to the portal	I can get into the website	High	Sprint-1
	Login	USN-3	As a user, I can login for the application	I can access my account / dashboard	Medium	Sprint-1
	Login	USN-4	As a user, I can log into the application byentering email & password	I can access my account / dashboard	High	Sprint-1
	Dashboard	USN-5	As a user, I can see the my profile, medical history, upload image , getting report services provided by the application	I can get into one of the services and use it	Medium	Sprint-2
	Data input	USN-6	As a user, I can upload the images of theaffected skin area	I can submit it to the application	High	Sprint-2
Administrator	Train model	USN-7	As a administrator , I can train a model tocompare the images uploaded with the images in the database to detect the disease	I can test the model whether it meets the criteria	High	Sprint-3
Trained model	Image processing	USN-8	By comparing the images the disease will bedetected with the given datasets	All the necessary operation performed and information extracted	High	Sprint-3
	Report generation	USN-9	Based on the detection of disease, reportgenerated	The results will be shownon the screen to the patients	High	Sprint-4


CLIENT / CUSTOMER
CLICKS THE PHOTO OF THE AFFECTED AREA IN SKIN
ATTACHING THE IMAGE IN WEBSITE
IMAGE PROCESSING
YOLO STRUCTURE
DETECTS THE DISEASE
ENDS UP GETTING SKIN DISEASE REPORT
IMAGE DATABASE
IMAGE COLLECTION
IMAGE ANNOTATION
IMAGES TRAINING
YOLO STRUCTURE
CLASSIFICATION /LOCALISATION OF SKIN IMAGES
INPUT IMAGES
DIFFERENT SKIN DISEASES WITH CLASS NAMES
PERFORMANCE MEASUREMENT
TRAINING LOSS INFORMATION
VISUAL INFORMATION