Project Design Phase-II

Technology Stack (Architecture & Stack)

Date	31 October 2022
Team ID	PNT2022TMID33898
Project Name	AI-based localization and classification Of skin disease with erythema

Technical Architecture:
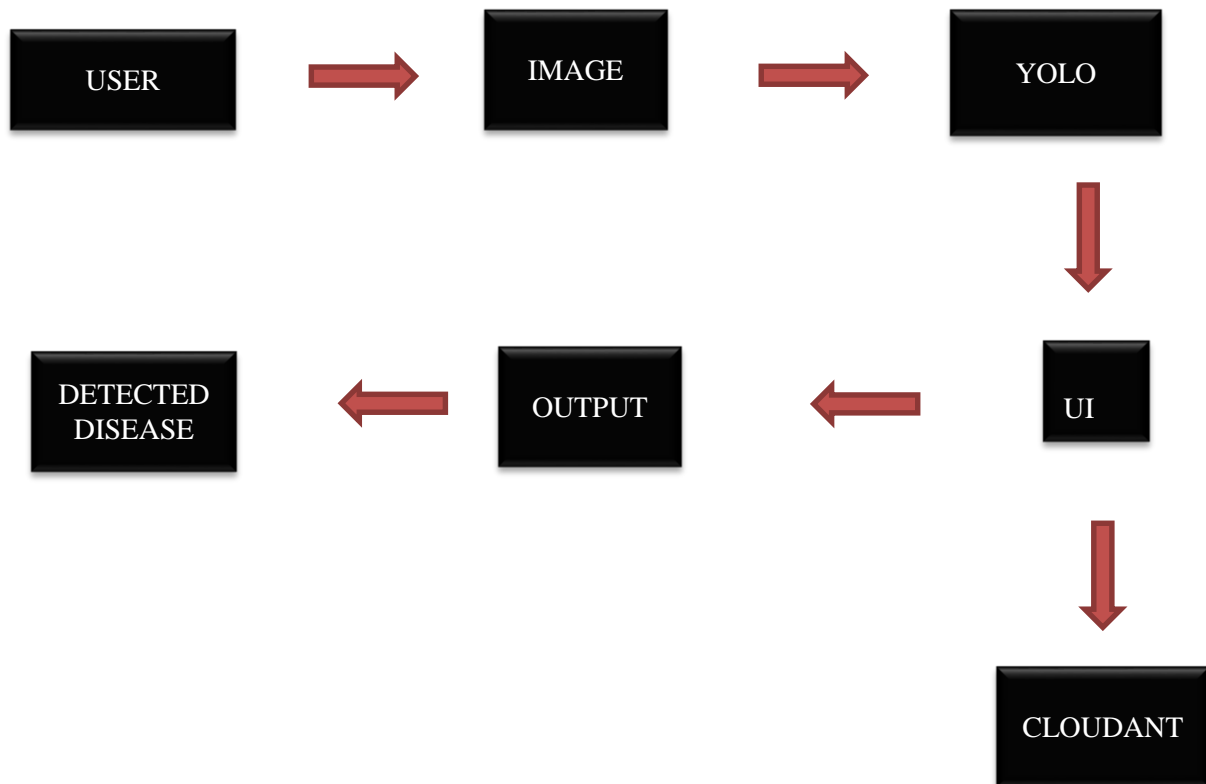
Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	How user interacts with application e.g. Web UI.	HTML, CSS.
2.	Application Logic-1	Logic for a process in the application	Python
3.	Application Logic-2	Logic for a process in the application	IBM Watson Assistant
4.	Cloud Database	Database Service on Cloud	IBM Cloudant etc.
5.	Machine Learning Model	Purpose of Machine Learning Model	Object Recognition Model

Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	Keras designed to enable fast experimentation with deep neural networks, it focuses on being user-friendly, modular, and extensible.	Keras
2.	Security Implementations	Encryption is a mathematical tool that allows for encryption of data, ensuring privacy while at the same time, allowing computations to be performed on the encrypted data.	Encryptions
3.	Scalable Architecture	Performance will be good even with the higher user traffic	Python Flask
4.	Availability	With good system all users can access it.	Python Flask