Project Design Phase-II
Technology Stack (Architecture & Stack)

Technical Architecture:

The Deliverable shall include the architectural diagram as below and the information as per the table1 & table 2
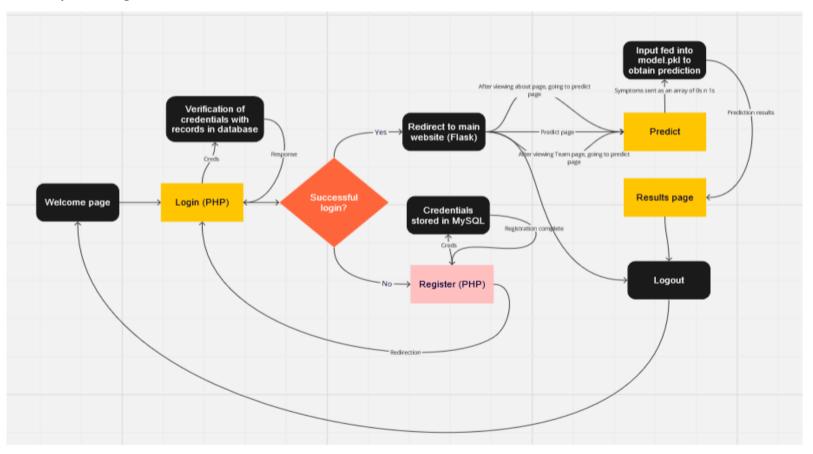
Order processing.

Table-1 : Components & Technologies:

S.NO	Component	Description	Technology
1.	User Interface	How user interacts with application	HTML, CSS and JavaScript
2.	Application Logic-1	Register for the application	PHP, HTML, CSS, JavaScript and MySQL
3.	Application Logic-2	Login for the application	PHP, HTML, CSS, JavaScript and MySQL
4.	Application Logic-3	Disease Prediction	Python, Machine Learning and Flask
5.	Database	Data Type, Configurations etc.	MySQL via PHP
6.	File Storage	File storage requirements	Local
7.	Machine Learning Model	Purpose of Machine Learning Model is to make the predictor page functional and predict diseases from entered symptoms with a 97% accuracy.	Python, Machine Learning and Flask
8.	Infrastructure (Server)	Application Deployment on Local System Local Server Configuration:	Local, Cloud etc.

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	List the open-source frameworks used	Google fonts API
2.	Security Implementations	List all the security / access controls implemented, use of firewalls etc.	Firewall
3.	Scalable Architecture	Scalable up to mega corporations like apollo, etc.	PHP, HTML, CSS, JavaScript and MySQL, Python, Flask
4.	Availability	Available as a locally shareable website	PHP, HTML, CSS, JavaScript and MySQL, Python, Flask

5.	User-Friendly interface	Easily traversable website with fluid response	HTML, CSS, JavaScript
6.	Accuracy of predictions	Very accurate with over 97% accurate results	Python, Machine Learning, Flask, Excel