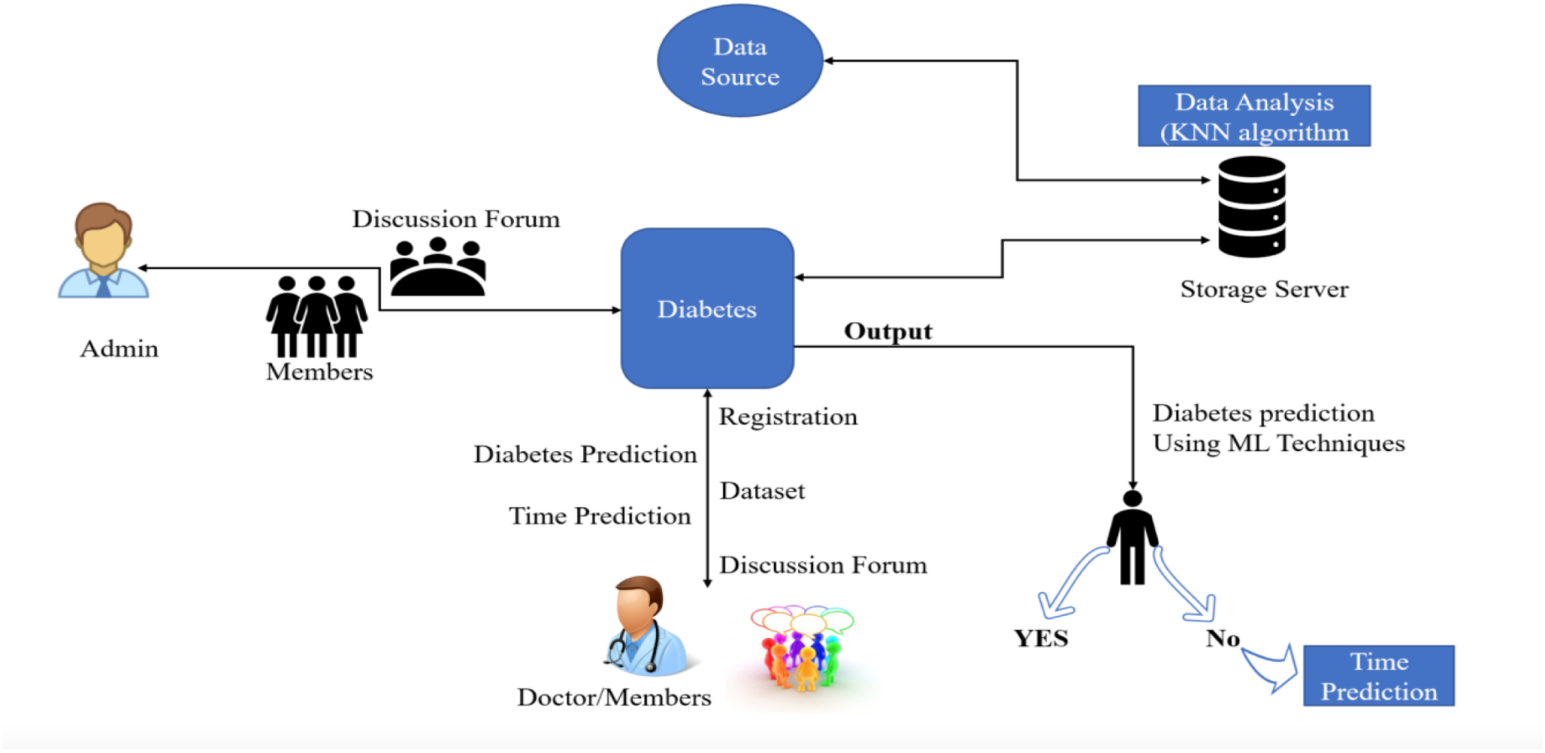
Project Design Phase-II
Data Flow Diagram & User Stories

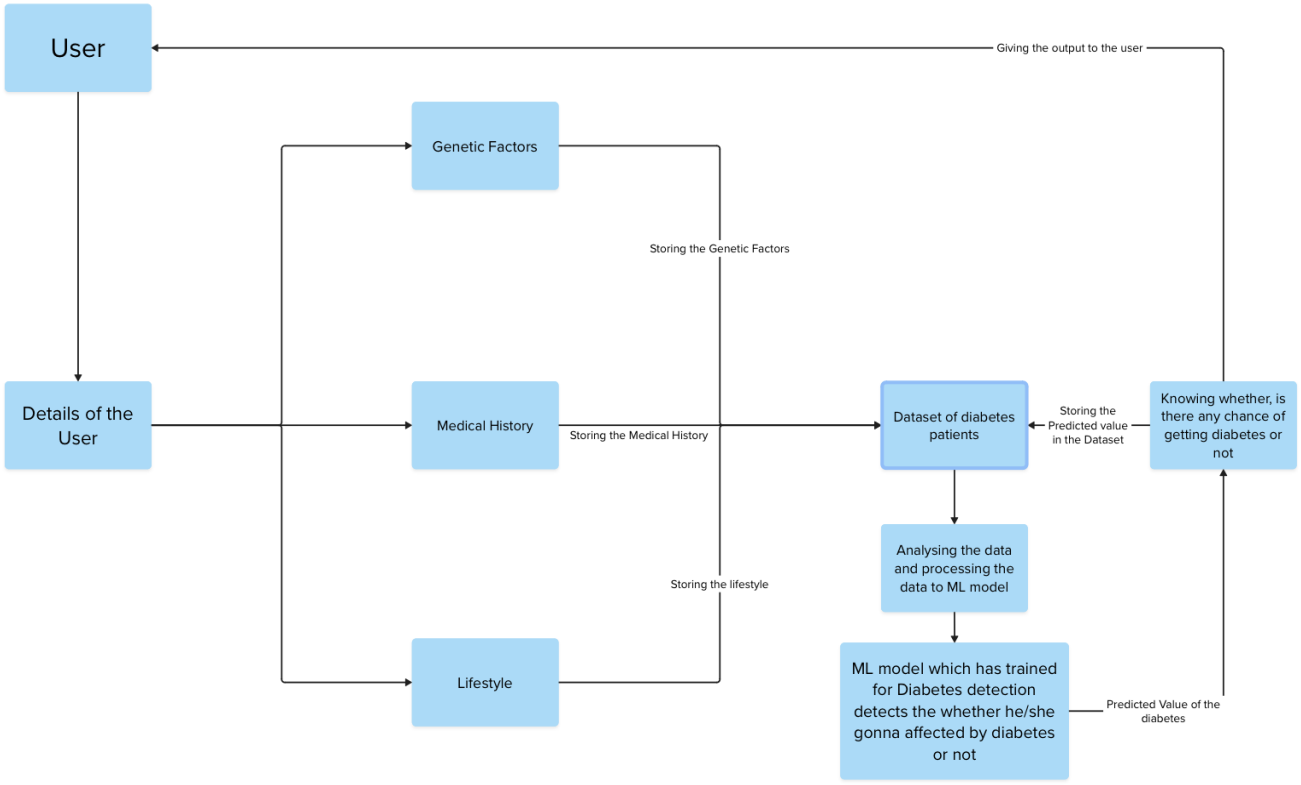
Date	23 October 2023
Team ID	Team-592607
Project Name	Diabetes Prediction Using Machine Learning
Maximum Marks	4 Marks

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.

Example:





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
Clinics	Assessment	USN-1	Clinicians use diabetes prediction models to identify patients at high risk of developing diabetes, and to develop personalized prevention and management plans for them.	The system should accurately generate personalized risk assessments and recommendations for patients.	High	Sprint-1
Patients	Prevention	USN-2	Patients can use diabetes prediction models to assess their own risk of developing diabetes, and to make lifestyle changes and get screened for diabetes regularly.	The system should provide personalized information and advice to help patients prevent or manage diabetes.	High	Sprint-1
Researchers	Discovery	USN-3	Researchers use diabetes prediction models to develop new insights into the disease, identify new biomarkers for early detection, and develop new treatments and prevention strategies.	The system should produce reproducible and generalizable results that can be used to advance the understanding and prevention of diabetes.	High	Sprint-1
Public and Health Officials	Intervention	USN-4	Public health officials use diabetes prediction models to develop strategies for preventing diabetes at a population level, identify communities at high risk, and develop targeted prevention programs.	The system should be scalable and effective in identifying and intervening with populations at high risk of diabetes.	Medium	Sprint-2
Insurance companies	Risk	USN-5	Insurance companies use diabetes prediction models to set premiums and identify individuals who are eligible for special	The system should fairly and accurately assess risk to help set premiums	Medium	Sprint-2

			programs or services.	and offer targeted programs and services.		
Employers	Wellness	USN-6	Employers use diabetes prediction models to develop workplace wellness programs and identify employees who may be at risk of developing diabetes-related complications.	The system should be engaging and effective in helping employers develop and implement workplace wellness programs.	Low	Sprint-2
Pharmaceutical Companies	Treatment	USN-7	Pharmaceutical companies use diabetes prediction models to develop new drugs and treatments for diabetes.	The system should effectively identify new targets for drug development and help design and conduct successful clinical trials.	Low	Sprint-3