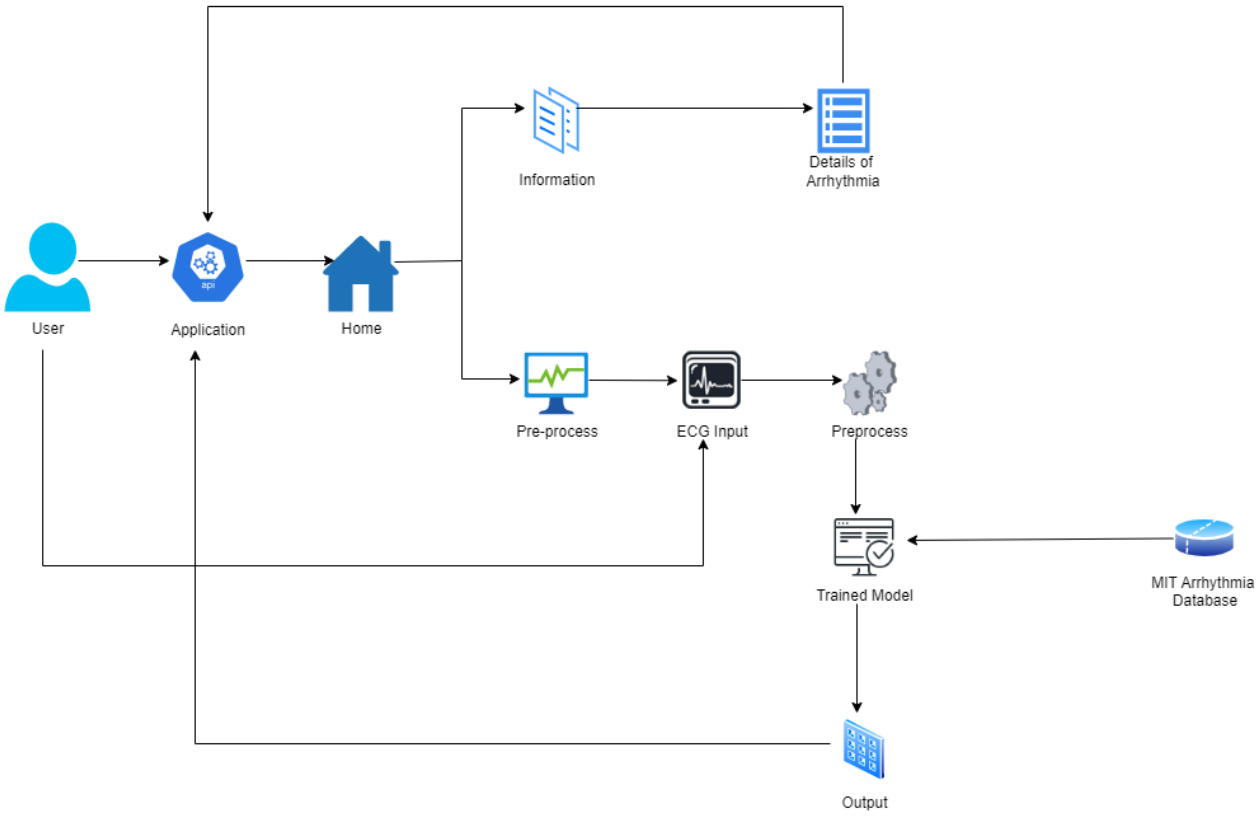
Project Design Phase-II

DATA FLOW DIAGRAM AND USER STORIES

Date	20th October 2022
Team ID	PNT2022TMID34032
Project Name	Classification of Arrhythmia by using Deep Learning with 2-D ECG Spectral Image Representation
Maximum Marks	4 Marks

Data Flow Diagrams:



1. User can access the application and the home page is displayed.
2. User can either choose to view information about Arrhythmia or can choose to Predict.
3. When the user chooses to view information ,the details about Arrhythmia is displayed.
4. When the user chooses to predict, the ECG input must be given by the user.
5. The given ECG image is preprocessed.
6. The preprocessed image is give as input to the trained model.
7. The model is trained using the data from MIT Arrhythmia database.
8. The trained model predicts the output and is displayed in the application.

User Stories :

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
User	Information	USN-1	As a user, I can know about Arrhythmia and different types of Arrythmia	I can get the awareness about the seriousness of Arrhythmia	Medium	Sprint-1
	Provide an ECG input	USN-2	As a user, I can provide an ECG input to the application	I can receive the feedback about the rhythm of my heart beat rate	High	Sprint-1
Customer(Web User)		USN-3	As a user,I can make a query or related doubts to theweb developer as message option is available	I can make query relatedissues	Medium	Sprint-2