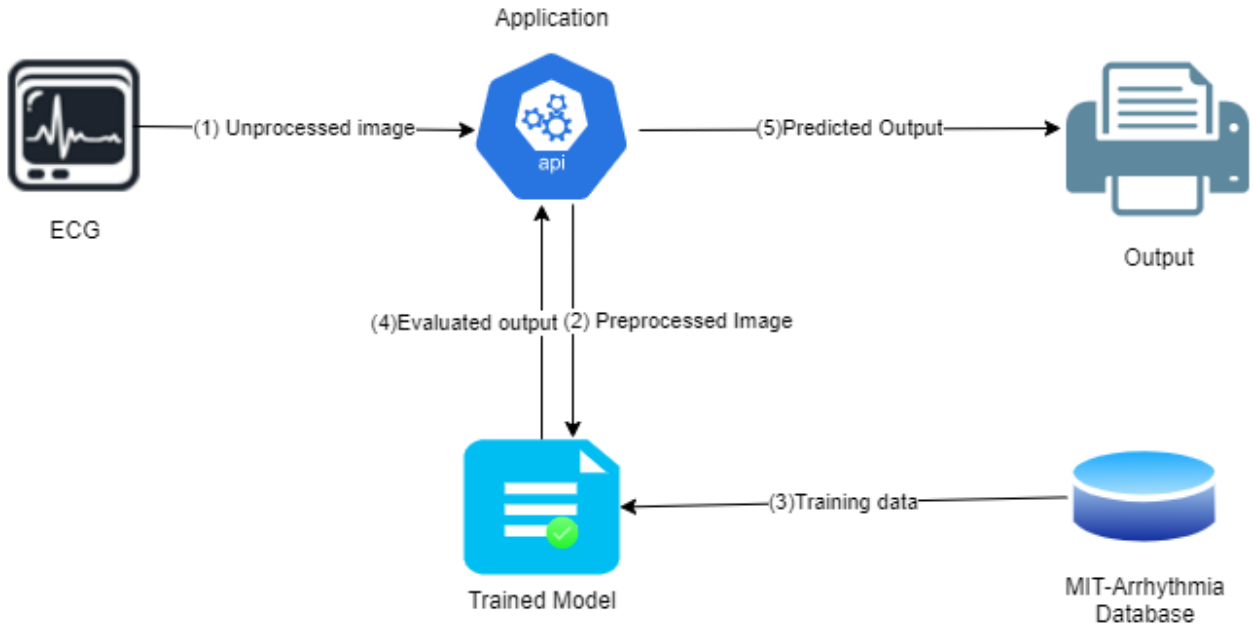
Project Design Phase-II

DATA FLOW DIAGRAM AND USER STORIES

Date	19th 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 gives ECG input to the application.
2. Application gives the input to the trained model after required processing.
3. The MIT-Arrhythmia database is used to train the model.
4. The model is trained using CNN.
5. The trained model compares and predicts the output.
6. The output is given to the Application.
7. The application displays the output which is the classification of Arrhythmia

User Stories :

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
User	View	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	High	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
	View Remedial Measures	USN-3	As a user, depending on my heartbeat rate, I can view remedial measures	I can view the remedial measures without consulting a doctor	Low	Sprint-2
	Remainder to check up	USN-4	As a user, I have atrial fibrillation, I can set a remainder to consult a doctor in the interval of 15 days or 30 days	I can get a remainder for doctor consultation	Medium	Sprint-1
		USN-5	As a user, I can give my email address or mobile number to get remainder	I can get remainder via mails or SMS	Medium	Sprint-2
Customer (Web User)		USN-6	As a user,I can make a query or	I can make query relatedissues	High	Sprint 1

			related doubts to theweb developer as message option is available			