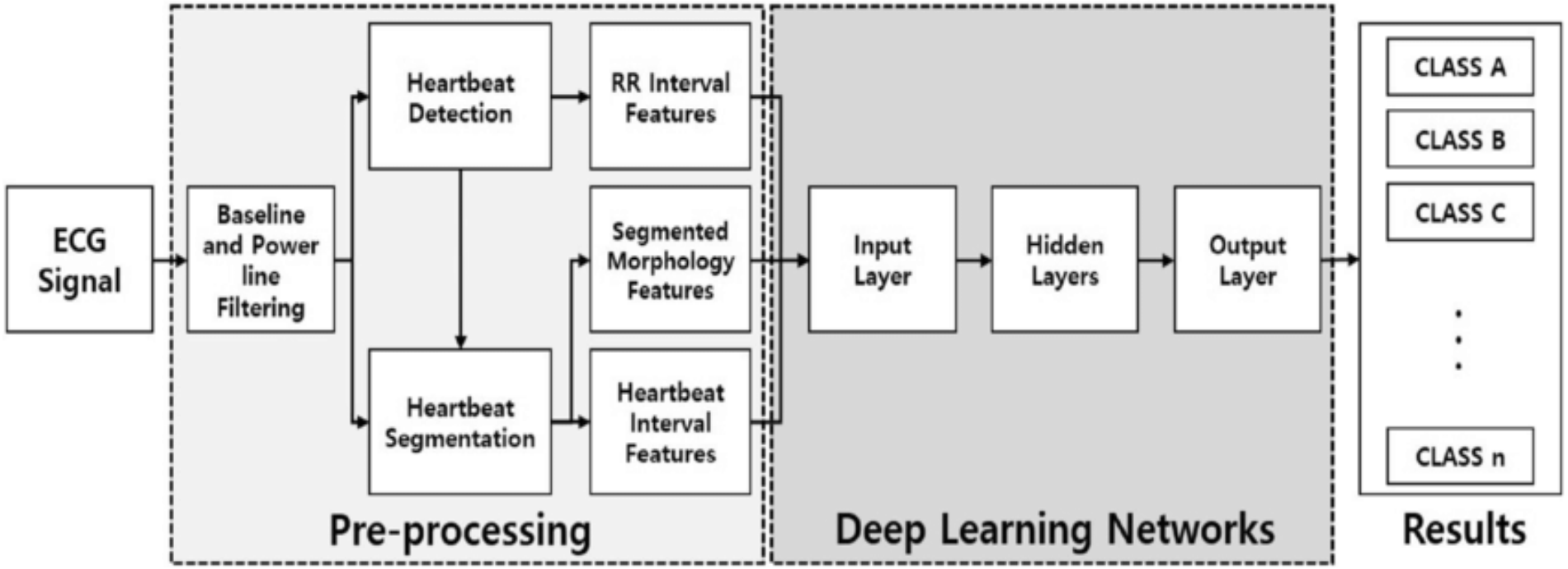
Project Design Phase-II
Data Flow Diagram & User Stories

Date	03 October 2022
Team ID	PNT2022TMID23017
Project Name	Project - Classification of Arrhythmia by Using Deep Learning with 2-D ECG Spectral Image Representation
Maximum Marks	4 Marks

Data Flow Diagram:



User Stories:

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Doctor	Image Analysis	USN-1	As a doctor, I can easily assess the input and processed image data to cross verify my diagnosis of the arrhythmia type.	The image analysis is correct.	High	Sprint-1
		USN-2	As a cardiologist, I find this application very useful as it saves much time spent in diagnosing from several ECG scans of heart patients a day.	The image analysis is faster than my diagnosis.	High	Sprint-1
Patient	Dashboard	USN-3	As a patient, I can easily access the image analysis results which I can later use with other doctors.	I can quickly access my results.	Medium	Sprint-2
		USN-4	As a customer, I find the results to be easily accessible to check whether my heart is doing fine.	I find the data useful for future health check-ups.	Low	Sprint-2
Medical assistant	Result Display	USN-5	As an assistant to a cardiologist, I find it very easy to generate a report to the doctor from the results presented in the application.	The results are exactly what the doctor needs.	High	Sprint-1
		USN-6	As a medical practitioner responsible for diagnosing, my task has become incredibly fast and accurate thanks to this application.	The results are displayed quickly.	Low	Sprint-2