

**Project Planning PhaseProject Planning Template (Product Backlog,
Sprint Planning, Stories, Story points)**

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| Date | 18 October 2022 |
| Team ID | PNT2022TMID44136 |
| Project Name | Classification Of Arrhythmia By Using Deep Learning With 2D-ECG Spectral Image Representation |
| Maximum Marks | 8 Marks |

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

| Sprint | Functional Requirement (Epic) | User Story Number | User Story / Task | Story Points | Priority | Team Members |
|----------|-------------------------------|-------------------|--|--------------|----------|------------------------------|
| Sprint-1 | Data Collection | USN-1 | As a user, I can collect the dataset from various resources with different data | 10 | Low | Masilamani Shajitha |
| Sprint-1 | Image Preprocessing | USN-2 | As a user, I can import ImageDataGenerator Library and configure it. | 10 | Medium | Shajitha |
| Sprint-1 | Image Preprocessing | USN-3 | As a user, I will get an application with configure image data generator class and apply image Data Generator fuctionality to Train Set and Test set . | 10 | Medium | Masilamani suganthi |
| Sprint-2 | Model Building | USN-4 | As a user,I will get an appilication with Import The Libraries which provides accurate communication and sharing data with sensor. | 5 | High | Masilamani Shajitha Suganthi |
| Sprint-2 | Model building | USN-5 | Creating the model and Initialize the model which provides the communication | 5 | High | Masilamani Shajitha |
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|----------|---------------------------------------|-------|---|---|------|------------------------------------|
| Sprint-2 | Add CNN layers Adding Dense Layers | USN-6 | Creating the model and adding the input, hidden, and output layers to it. | 5 | High | Masilamani Shajitha Suganthi |
|----------|---------------------------------------|-------|---|---|------|------------------------------------|

| Sprint | Functional Requirement (Epic) | User Story Number | User Story / Task | Story Points | Priority | Team Members |
|---------------|--------------------------------------|--------------------------|---|---------------------|-----------------|------------------------------|
| Sprint-2 | Configuring the learning process | USN-7 | With both the training data defined and model defined, it's time to configure the learning process. | 2 | Medium | Masilamani Suganthi |
| Sprint-2 | Train and Save the model | USN-8 | As a user, the model is saved & integrated with an android application or web application in order to predict something | 6 | Medium | Masilamani Shajitha Suganthi |
| Sprint-2 | Test the Model | USN-9 | As a user, let us test our model with our image dataset. | 2 | Low | Masilamani |
| Sprint-3 | Application Building | USN-10 | As a user, I will use technical button to operate the Create the HTML files and Run the app for recognize. | 10 | High | Masilamani Shajitha |
| Sprint-3 | Application Building | USN-11 | As a user, I can know the details of the Build python code usage of the application. | 5 | Low | Masilamani Suganthi |
| Sprint-4 | Train the model on IBM | USN-12 | As a user, I train the model on IBM and integrate IBM cloud with scoring end point. | 5 | Medium | Masilamani |
| Sprint-4 | Train the model on IBM | USN-13 | As a user, I train the model on IBM and integrate IBM watson with scoring end point. | 10 | High | Masilamani Shajitha Suganthi |