

## Project Development Phase

### Sprint 1(Dataset Collection, Image Preprocessing)

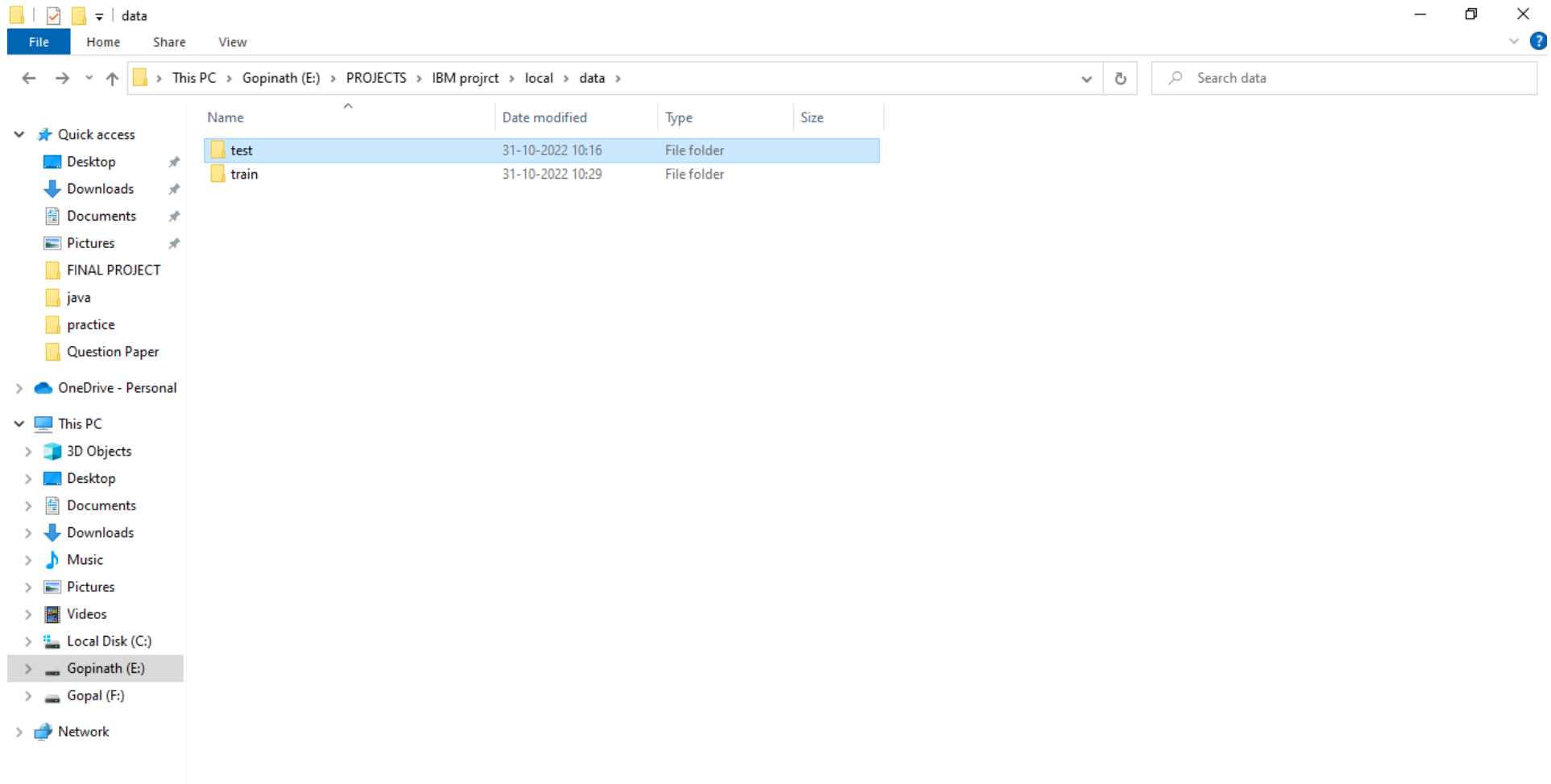
Date	24 Oct 2022
Team ID	PNT2022TMID38553
Project Name	Project - Classification of Arrhythmia by Using Deep Learning with 2-D ECG Spectral Image Representation
Maximum Marks	3 Marks

## Dataset Collection

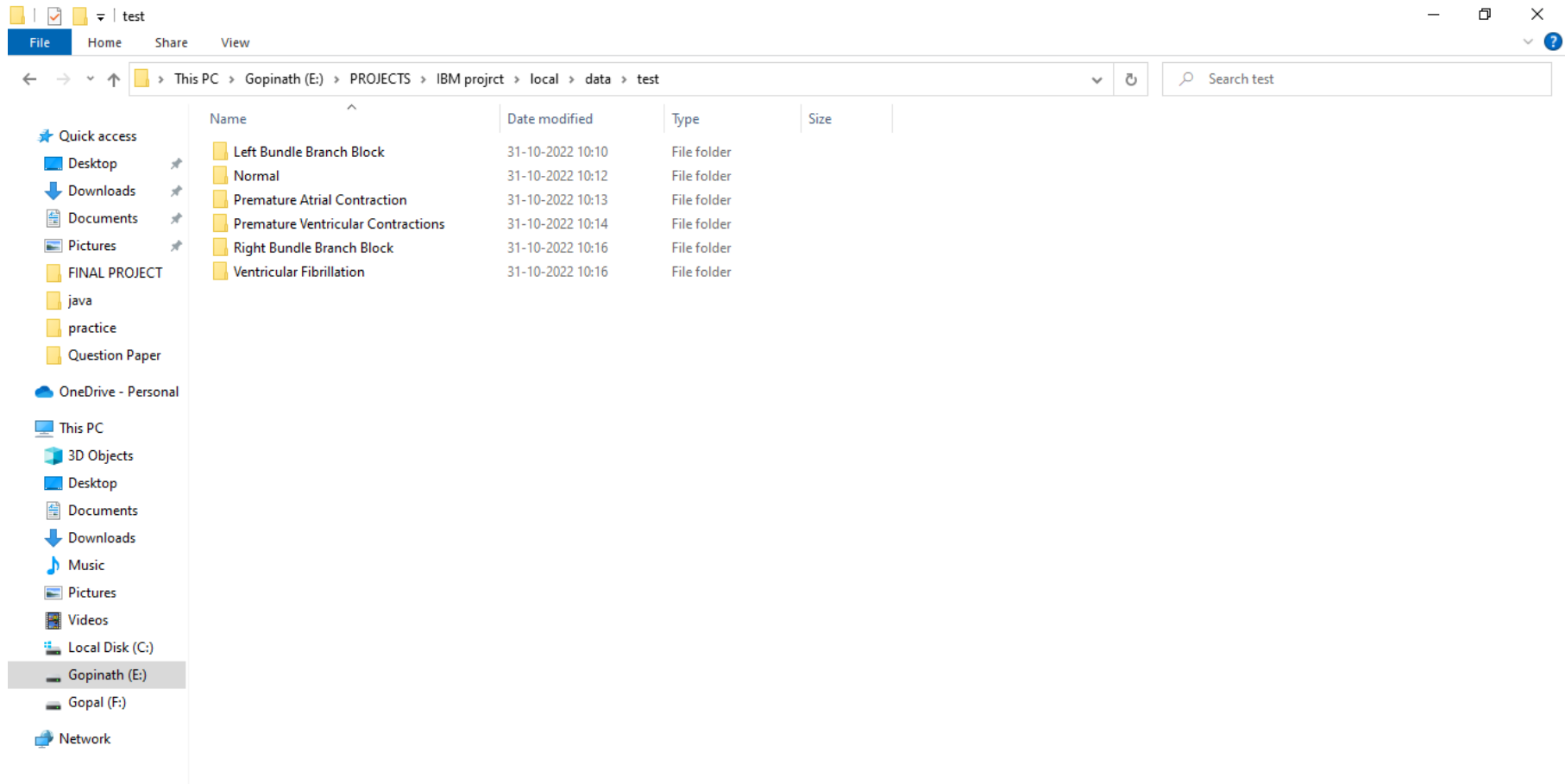
Using this link

The screenshot shows a web application interface for a project workspace. The browser tabs at the top include 'Project Deliver', 'Inbox (45)', 'project files', 'Image Prepro', and several 'IBM' tabs. The address bar shows the URL 'careereducation.smartinternz.com/Student/guided\_project\_info/54363#'. The page has three tabs: 'Guided Project', 'Project Workspace', and 'Chat with Mentor'. The 'Project Workspace' tab is active, displaying a sidebar on the left with a navigation menu. The menu items are: 'Classification Of Arrhythmia By Using Deep Learning With 2-D ECG Spectral Image Representation' (green), 'Project Objectives' (orange), 'Project Flow' (orange), 'Project Structure' (orange), 'Prerequisites' (orange), 'Prior Knowledge' (orange), 'Dataset Collection' (orange), 'Download The Dataset' (red), 'Dataset' (blue), and 'Image Preprocessing' (orange). The main content area is titled 'Download The Dataset' and contains the following text: 'You can collect datasets from different open sources like kaggle.com, data.gov, UCI machine learning repository, etc. The dataset used for this project is in this Link. Please refer to the link to download the data set. The dataset contains six classes: 1. Left Bundle Branch Block, 2. Normal, 3. Premature Atrial Contraction, 4. Premature Ventricular Contractions, 5. Right Bundle Branch Block, 6. Ventricular Fibrillation'. At the bottom of the page, there is a file explorer showing 'Image Preprocess...ipynb' and a 'Show all' button.

## Split the data testdata and train data



# Classification of Data



# Sample data

