CASE STUDY ON NUERAL NETWORK AND HYPER PARAMETER TUNING

You are provided with a csv file (magic_gamma_telescope04.csv) dataset which contains telescopic experiment data. Using the features given in it, you need to classify the outcome "class".

- Prepare a model which can classify it with f1 score = 70% and accuracy = 75%.
- Use neural networks combined with any HP parameter tuning.
- You can make use of any preprocessing activities if needed.
- No external data shall be added for increasing evaluation metric values.

Please note the following:

● Use the magic_gamma_telescope04.csv data file attached along with the question.

● Give headings to each step you are doing.

● Do the case study in Python.

● Create a repository in GitHub account as "Public".

● Upload the notebook file (. ipynb) to the repository.

● Please make sure that you are uploading the notebook file including the outputs as well.

● Share the link of this notebook from GitHub in the online text editor provided in

Paatshala.