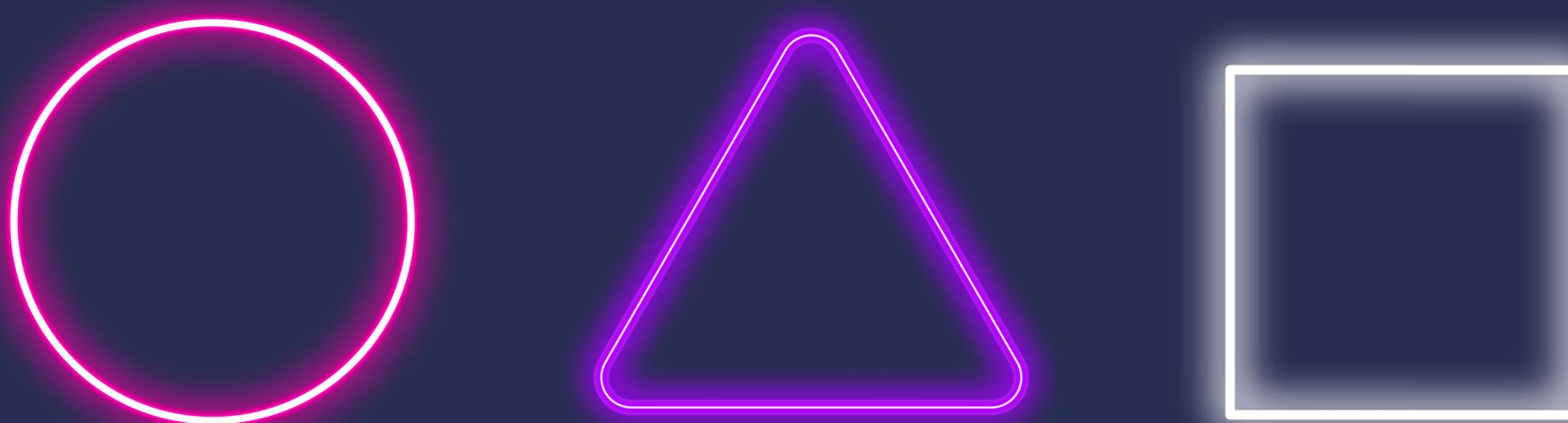


LOGICAL RHYTHM

2021



Logical Rhythm 2k21

(B. Tech 2nd and 3rd year and MCA 1st and 2nd year)

Rules and regulations:

1. This is a team event of a maximum of 3 members. You can still work individually if you want. Team members can be from any branch. The only prerequisite is that at least one member of the team should be from the CS/IT branch.
2. All problem statements will be judged individually and scores will be cumulative.
3. The decision of the judges will be final and binding.
4. ANY FORM OF CODE PLAGIARISM WILL NOT BE TOLERATED. If any part of the project is found copied the team will be disqualified immediately.
5. While showing final submissions, always use save and run all (commit) version of the notebooks rather than quick save.
6. Additional data augmentation is allowed only on the second problem (Cars24 dataset) statement provided informed to the mentors in advance.

Tips for the event

1. Although the accuracy of the model is important for the leaderboard, you will also be judged on the basis of the representation and visualization of the dataset.
2. Additionally, you will also be judged on the basis of the code structure and reasoning of the models used in the notebook.
3. For beginners: The difficulty order of dataset is in increasing order of difficulty is (Beans-dataset) < (Cars24 dataset) < (gganbu dataset)
4. For any problems, queries, questions, or help at any stage, contact seniors or reach out to peers.

All The Best!!!

Frontman is watching you all.

Problem Statements

- **Beans-dataset(<https://www.kaggle.com/c/squid-beans>)**

After the mayhem of Honeycomb, riots broke out in the holding area. Vivek and his friends built barricades with the help of beds and now have to stay awake to avert possible attacks. To do so each participant is given a bag of coffee beans filled with coffee of different varieties. Only coffee beans of certain kinds are effective. Help Vivek to classify beans based on their different attributes. Because if he sleeps, he dies.

- **Cars24-dataset(<https://www.kaggle.com/c/logical-rhythm-2k21-cars24>)**

In an alternate reality, Sid organized Lobster Games(a variant of squid games). For the first challenge, 'Price is Right', participants have to guess the price of the car in front of them. If they fail to do so, they will be eliminated on spot i.e. (shot in the head). Deepanshu got his hands on this dataset and wants to develop a model to predict the price for him. Help Deepanshu to achieve the least RMSLE (Root Mean Squared Logarithmic Error).

- **gganbu-dataset(<https://www.kaggle.com/c/logical-rhythm-2k21-gganbu>)**

Abhay recently organized the original Squid Games in India. After the massacre of six deadly games, m1key was the sole survivor as he did unthinkable in the final game and winning the Indian Squid Games 2021. Abhay being a clever money launderer transferred the sum of 45 crore INR to m1key in different denominations of Indian as well as Thailand's currency (as m1key's Gganbu is in Thailand).

Now, m1key is building a machine to classify and separate these notes and he needs your help. Your task is to build a machine learning model which can classify images of different denomination notes of India and Thailand.

For discussion on individual problem statements, you can contact your seniors or also raise a new topic in the discussion section of the individual hosted competitions.

We will also be having a meet soon to discuss all the problem statements as well as have a walkthrough of Kaggle. The link and schedule of the meeting will be posted on the official page of Logical Rhythm(<https://www.facebook.com/Logthm>) So, like and follow the page and also turn on notifications for the same.