



TECH FIESTA
2019



PREDICTION. AI

Team size: At most 2.

Description: Application of Machine Learning Model Training and Testing. Application of Data analytics in the field of Regression and classification. Data Cleaning, Training, Testing on a given Dataset. One can use Regression, Classification, Supervised Learning, Unsupervised Learning based on given Problem (DataSet). This year the theme will be on Bio-Medical Sector to predict and analyze different kinds of Disease.

Round1: A random Data set will be provided from all data sets. Participant need to train a suitable model according to them and predict the result as told in the problem statement. Predicted Classification and regression result will be tested against the test data. Evaluation will be done on the basis of Approach of ML and DA. Priority will be given on Accuracy.

IDE: Anaconda (Spider/Jupiter/R studio)

Round2: Participant need to clean the data before training the model. Participant need to train a suitable model according to them and predict the result as told in the problem statement. Priority will be given on Accuracy of the result. In the second round participant need to give explanation on the Results of the models to the Evaluator like why they choose that particular model etc.

IDE: Anaconda (Spider/Jupiter/R studio)

Rules:

At most 2 participants in a team only.

Team members are not allowed to change after Formation in between any round.

Anyone having interest in Machine Learning and Data analytics can participate.

One have to use K fold cross validation for splitting data into train and test data sets. Evaluation will be based on the parameter mentioned above.

Evaluator will not be responsible to search the parameter the model. One parameter will be evaluated only when Participant shows them in the form of result, otherwise it will not be counted for effective evaluation.

If anyone unable to reach to the Evaluator parameter, some grace marks can be given based on the basis of approach in the code.

Top Priority will be given to the Accuracy in the Confusion matrix.

Top 10 participant will move to the 2nd Round after evaluation.

Language: Python, R.

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EVENT HEADS: MRINAL KANTI GHOSH (9734778441) ARNAB HALDAR (7586015841)

