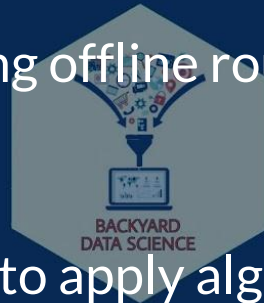# Backyard Data Science

A two day long contest comprising offline rounds in two phases - Spot Round and Final Round.

With a given dataset, a team has to apply algorithms and try to find the accuracy for the given target parameters. The dataset will be provided at the time of contest, and the team size can range from 1 to 3 (maximum). Languages supported are R or Python. Libraries can be used, but at the time of presentation, judges can ask the questions related to the used libraries.

Round 1:- Participants will be given a dataset, they will have to pre-process the dataset, Apply Machine Learning Algorithms, Find Accuracy of the dataset and process it and show the necessary requirements using Plots, Graphs etc in Python or R. All the submissions will have to be made in Jupyter Notebook or in a proper format, with self explanatory comments.

Round 2:- This is a Power Point presentation Round. In this Round, the selected Teams will have to present their Applied Algorithms on the dataset and about the pre-processing techniques used in the dataset.

Results:
Round 1: 17th March 2k18 itself, 50% of the teams.
Round 2: 18th March 2k18, award ceremony.

Rules:

1. Participants have to bring their own Laptops with configured libraries (as per requirement). Computers will be made available though. (Python 3.5 + Anaconda Installed)
2. Registration till 16th March 00:00 Hours, spot registration on 17th before commencement of the fest.
3. A team could consist from a minimum of 1 to a maximum of 3 members.
4. On spot teams can be made as well. All the teams should have members of the same college/institution.
5. Use of any code from available resources over the internet will be considered plagiarism, and is completely up to the judges to decide.
6. This is live event, everyone has to be present on campus on 17th and 18th March 2k18.

Reserved Rights:

• All decisions by judges with respect to any aspect of the competition are final and binding on student(s), and staff(s). They are not subject to review.

• The judges reserve the right to modify the competition rules and/or submission procedures as deemed necessary should a technical issue arise during the competition.

• The judges reserve the right to make clarifications with regards to the competition rules as deemed necessary.

Accomodation :

Provided as per TechNovate guidelines. (charges applied)

Judging Criteria

1. Understanding of the dataset.
2. Pre-processing.
3. Visualization
4. Models selected and applied.
5. Accuracy and score.
6. Conclusion
7. Presentation (for Round-2)

•Prizes:

- **1st Team: 10k Prize Money + Certificate**
- **2nd Team: 5k Prize Money + Certificate**
- **3rd Team : Goodies worth 3k + Certificate.**

BACKYARD
DATA SCIENCE

Coordinators:

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