

EXCAVATE

Overview

ELIGIBILITY CRITERIA	Open to all students pursuing Bachelors/Masters/PhD in any science and engineering college
TEAM SIZE	Max 3 (Team Participation event)
SUBMISSION DEADLINE	1st April 2023 (Round 1)
FINAL EVENT DATE	2nd April 2023
PRIZE WORTH	22k

Description

“Data rules the world”

Data analytics has become an increasingly important skill in the 21st century, with its applications in almost every field. The aim of ‘Excavate’ is to showcase the power of data analysis through its use in the field of metallurgical and materials engineering. It also promotes critical thinking, and presentation skills apart from analytical skills.

The event will be conducted in two rounds – a qualifying round in the form of a data science hackathon and a final presentation round where teams will present a more in-depth analysis of the results.

With Excavate, both the novice and the more experienced data scientist will get a chance to improve their skills and appreciation of the field of data science.

Rules

General Rules:-

- This is a team participation event where team size should not exceed 3.
- This event will have two rounds: Hackathon round + Final presentation round
- Round 1 will be held in the form of a hackathon at IIT Kharagpur. This round will be held offline with on-spot registration allowed up to the submission deadline.
- Round 1 results will be mailed to the participants selected for the final round

Rules for round 1:-

- A dataset and relevant problem statement will be released as a task to predict the output variable, at the time of the fest.
- Participant teams will be given a time limit of 24 hours for preparing a solution.
- Teams must submit the model parameters and complete code in the form of a .py or .ipynb file online before the submission deadline.
- Advancement to the final round will be done on a comparative basis and solely on the basis of accuracy on the test set.
- Any kind of malpractice during the event and submissions, will be penalised as judged by COMPOSIT

Rules for round 2:-

- Top teams from the first round will be selected as finalists. The selected teams will be notified via email.
- For this round, the teams must prepare a presentation that will be judged by a panel
- During the presentation, finalist teams must briefly describe their approach and follow a list of pointers that will be provided in the selection email.
- Presentation has to be completed in 7 to 10 minutes.
- There would be penalties if the time exceeds the time limit as follows—

0-1 min:	10% of the presentation marks of the team
1-2 mins:	20% of the presentation marks of the team
Greater than 2 mins :	100% of the presentation marks of the team
- The presentation will also be followed by a Q&A session with the judging panel for 5 minutes, which will also be considered for final evaluation.
- Top 3 teams will receive cash prizes. Decisions made by the judges are final and binding.



Judging Criteria

- Round 1 will be evaluated on the basis of accuracy of the model on the test set.
- Round 2 will be held offline as a final presentation round. Evaluation will be done based on the following four factors -
 - Model accuracy: 20
 - Questionnaire solutions: 30
 - Quality of presentation: 20
 - Q&A session: 30

Decision of the judges shall be final and conclusive.

Frequently Asked Questions

Q: What technical knowledge do I need to have to participate in this event?

A: Basic knowledge of Data Science, programming in Python and machine learning libraries would be needed for the event.

Q: What is the procedure of registration for the event? Do all the members have to be registered?

A: Yes, as with all events, all the participants must first be registered through the COMPOSIT website, after which they will be provided with a participant ID. The final team registration for the event should be done by the team leader only where the participant IDs of the members must be entered.

Q: Are personal laptops required in the final round?

A: Yes

Q: Is there a slide limit for the presentation?

A: No. Any number of slides may be used as long as the overall presentation is kept within the time limit.

Q: What do I need to cover in the final presentation?

A: Brief description of the code, basic analysis and interpretation is expected based on the pointers in the questionnaire. Additional analysis will also be rewarded accordingly.

Q: Will the first round results have weightage in the final results?

A: Yes. Since model accuracy is a factor in the final evaluation.

Q: Are more than one submissions allowed for the first round?

A: No

Contact

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