Database Design

Overview

This competition is designed to challenge students' skills in creating efficient and effective database designs. Participants will tackle real-world scenarios, showcasing their ability to model data, normalize databases, and implement solutions using SQL.

Rounds

This competition consists of two rounds.

Round 1: Database Design, Participants receive a scenario. They create an ERD, relational schema, and normalize the database up to 3NF.

Round 2: DDL and DML Implementation, Participants are presented with a complex scenario. They write DDL, DML and PL\SQL statements to implement the database structure and perform required operations.

Team Formation

Each team can have a maximum of 3 members.

Rules

- Internet is allowed, but only for **Competition Tools**.
- Mobile usage is strictly **prohibited.**
- Collaborating with other groups in any sort of way will lead to **disqualification.**
- Equipment, other than provided, are **NOT** allowed during the competition.
- Tools supported for each round:
    - Round 1 - **Only** Drawio or SmartDraw
    - Round 2 - **Only** Oracle SQL developer or My SQL.
- Decision of the Judges will be final.
- Submissions will be taken using GCR (Google Classroom).
- Edibles are **strictly prohibited** in the competition venue.
- Any team will **disqualify** due to any of the reasons mentioned below:
    - Plagiarism
    - Usage of internet during the competition (Except the websites recommended to use)
    - Disturbance or misconduct with any invigilator or fellow competitors
- Teams are **NOT** expected to bring the laptops with them in the competition because PCs will be provided in the lab venue, communicated through the mail beforehand.

- Competition will be started on the stated time. All teams are expected to arrive on time or earlier to get a head start on instructions.
- The organizers reserve the right to modify the rules or competition parameters in the event of unforeseen challenges, technical difficulties, or circumstances beyond control. Any changes will be communicated promptly to all participants to ensure fairness and transparency.