

VELAMMAL ENGINEERING COLLEGE

OZMENTA'25

CODE SPRINT - DATA SCIENCE

Category: Team (1-3 members)

Schedule:

Round 1: 9:30 AM - 11:00 AM

Round 2: 11:30 AM - 1:30 PM

Prerequisites:

1. Hugging face CLI and Account.

Round 1: "Data Exploration & Analysis"

Rules:

- Each participant will be given a **dataset with a problem statement** related to data science.
- Participants must document **data preprocessing, visualization, and summary statistics**.
- Allowed tools: **Jupyter Notebook (via Spider or CMD)**.
- **No external AI assistance** (like ChatGPT, Copilot, Deepseek, etc.) is allowed.
- Round Duration: **1.5 hours (9:30 AM - 11:00 AM)**.
- Submission: Final notebook file (**.ipynb**) must be submitted within the given time limit.

Round 2: "Predictive Modeling & Optimization"

Rules:

- Participants will be provided with a **more advanced dataset for predictive modeling**.
- Tasks may include **feature engineering, model selection, and hyperparameter tuning**.
- Participants must use appropriate performance metrics such as **accuracy, RMSE, or F1-score**.
- Participants must document their **approach, findings, and model performance improvements**.
- Allowed tools: **Jupyter Notebook (via Spider or CMD)**.
- Round Duration: **2 hours (11:30 AM - 1:30 PM)**.
- Submission: The final Jupyter Notebook must be **well-documented with clear insights**.

For further queries, please contact the event coordinators:

SANGAMITHRA V
8838083432

THRISHA B
9345502022

MERLYNE MARGARTE CHRISTINAL
9840952078