VELAMMAL ENGINEERING COLLEGE
OZMENTA'25
CODE SPRINT - AI/ML

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 Insights – AI Model Development"
Rules:

- Each participant will be given a dataset and a problem statement related to AI/ML.
- The goal is to perform data preprocessing and build an initial machine learning model.
- Participants must document their feature selection, preprocessing steps, and model evaluation.
- Allowed tools: **Jupyter Notebook (via Spider or CMD).**
- **No pre-trained models or external AI assistance (like ChatGPT, Copilot, Deepseek, etc.) are 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: "Advanced AI – Model Optimization & Deployment"
Rules:

- Participants will receive a more complex problem requiring deep learning, reinforcement learning, or advanced ML techniques.
- Tasks may involve CNNs, RNNs, transformers, or hyperparameter tuning.
- Performance metrics such as accuracy, precision-recall, or loss functions will be considered.
- Participants must document their approach, optimization techniques, and conclusions.
- Allowed tools: **Jupyter Notebook (via Spider or CMD)**.
- **No pre-trained models or external AI assistance (like ChatGPT, Copilot, Deepseek, etc.) are allowed.**
- Time Limit: **2 hours (11:30 AM - 1:30 PM).**
- Submission: The final Jupyter Notebook must be well-documented with detailed insights.

For further queries, please contact the event coordinators:

PRAVEEN KUMAR S	TARAKESHWARAN S	TARUNIKAA B
6381509418	8870982120	9840918520

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 d**ata 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 Duationt: **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	THRISHA B	MERLYNE MARGARTE CHRISTINAL
8838083432	9345502022	9840952078

VELAMMAL ENGINEERING COLLEGE

OZMENTA'25

CODE SPRINT - WEB DEVELOPMENT

Category: Team(1-3 members)
Schedule:
> **Round 1**: 9:30 AM - 11:00 AM
> **Round 2**: 11:30 PM - 1:30 PM

Round 1: "Debug & Fix – Code Unlock"
Rules:

- Each participant will be given an **incomplete web project** containing bugs and missing code snippets.

- The goal is **to identify and fix all issues** while ensuring the site functions correctly.

- Participants must **document the bugs** they found and explain how they fixed them.

- **No external debugging tools or AI assistance** (like Chat GPT,Copilot, Deepseek,Etc.) are allowed.

- Round duration: **1.5 hours (9:30 AM - 11:00 AM).**

- Submission: Fixed code must be submitted within the given time limit.

Round 2: "The Web Time Machine – Rebuild & Evolve"

Rules:

- Participants will receive an **outdated website with old HTML, CSS, and JavaScript.**

- They must **modernize the website** while maintaining its core functionality.

- Improvements can be made in **UI, responsiveness, structure, and functionality** while preserving the original purpose of the website.

- Time Limit: **2 hours (11:30 PM - 1:30 PM).**

- Only **pure HTML, CSS, and JavaScript are allowed**(usage of javascript frameworks such as react.js, next.js and angular.js are not permitted).

For further queries, please contact the event coordinators,

ADHITHYAN B	LAKSHMIKANTHAN C	SHREE RANJANI B
6380274793	9344647710	7305491657