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:

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