

UDBHAV Hackathon 2025: Problem Statements & Project Ideas

AI/ML Domain

Please choose one problem statement from the following and think of how to work on it. You will be starting to code your project on the 26th of October during the hackathon.

1. Smart Study Buddy

- Description: Web application for students to upload PDFs, textbooks, or notes and ask questions in natural language.
- Key Features: PDF upload; intelligent text search; conversational interface; source referencing (page numbers and excerpts).

2. AI-Driven Peer Review

- Description: NLP-based platform to evaluate student project write-ups or code submissions, offering constructive feedback and plagiarism detection.
- Key Features: Text and code analysis; feedback generation; similarity checking; reporting interface.

3. Automated Presentation Coach

- Description: Tool that analyzes recorded practice presentations for filler words, pacing, and clarity, then provides real-time coaching tips.
- Key Features: Audio processing; speech-to-text transcription; filler word detection; pacing analysis; feedback visualization.