



UDBHAV ROUND 1

INTERNAL ROUND

- TEAM NAME : Ecstacy**
- PROBLEM STATEMENT NUMBER:3**
- DOMAIN :AI/ML**

PROBLEM STATEMENT AND APPROACH

- **High Stakes, Low Feedback:** Effective presentations are crucial, but finding quality, accessible coaching is hard, expensive, and time-consuming.
- **The Vicious Cycle:** Speakers struggle with core mechanics:
 - Filler Words: "Um," "Uh," "Like" erode credibility.
 - Inconsistent Pacing: Too fast/slow delivery loses the audience.
 - Unclear Messaging: Structure and clarity often suffer under pressure.
- **The Gap:** There is no scalable, objective tool to provide instant, iterative, and context-aware presentation practice.

PROBLEM STATEMENT AND APPROACH

Approach: AI-Powered, Context-Aware Coaching

- Core Engine (Gemini API): Leverage Google Gemini for highly accurate Speech-to-Text Transcription and advanced Clarity Assessment.
- Holistic Analysis: Analyze practice sessions across 4 dimensions: Filler Words, Pacing (WPM), Clarity, and Tone/Energy.
- Document Context Integration: Users upload PDF/PPTX. AI extracts key points to provide Slide-by-Slide Guidance and Content Alignment Verification.
- Gamified Learning: Drive engagement and long-term habit formation through XP, Progression Levels, and Badges.

FEASIBILITY

- **Tech Stack:** Built on industry-leading technologies: Next.js 14+ (Frontend) and Django 5.0 (Backend) with DRF.
- **AI Infrastructure:** Direct integration with the Google Gemini API for core analysis and personalized coaching.
- **Real-time Capabilities:** Django Channels and WebSockets enable Phase 6 collaboration features (real-time presence, live updates).
- **Deployment Efficiency:** Utilizing optimized, cost-effective hosting (Vercel, Render, Neon PostgreSQL) ready for immediate scale.
- **Clear Roadmap:** Auth and Foundation (Phase 1) is complete, moving immediately to Core Audio Analysis (Phase 2).

TARGET AUDIENCE



Students: Preparing for class presentations, project defenses, or academic conferences.



Professionals: Individuals in corporate roles (e.g., sales, marketing, management, engineering) who need to deliver pitches, reports, or internal training.

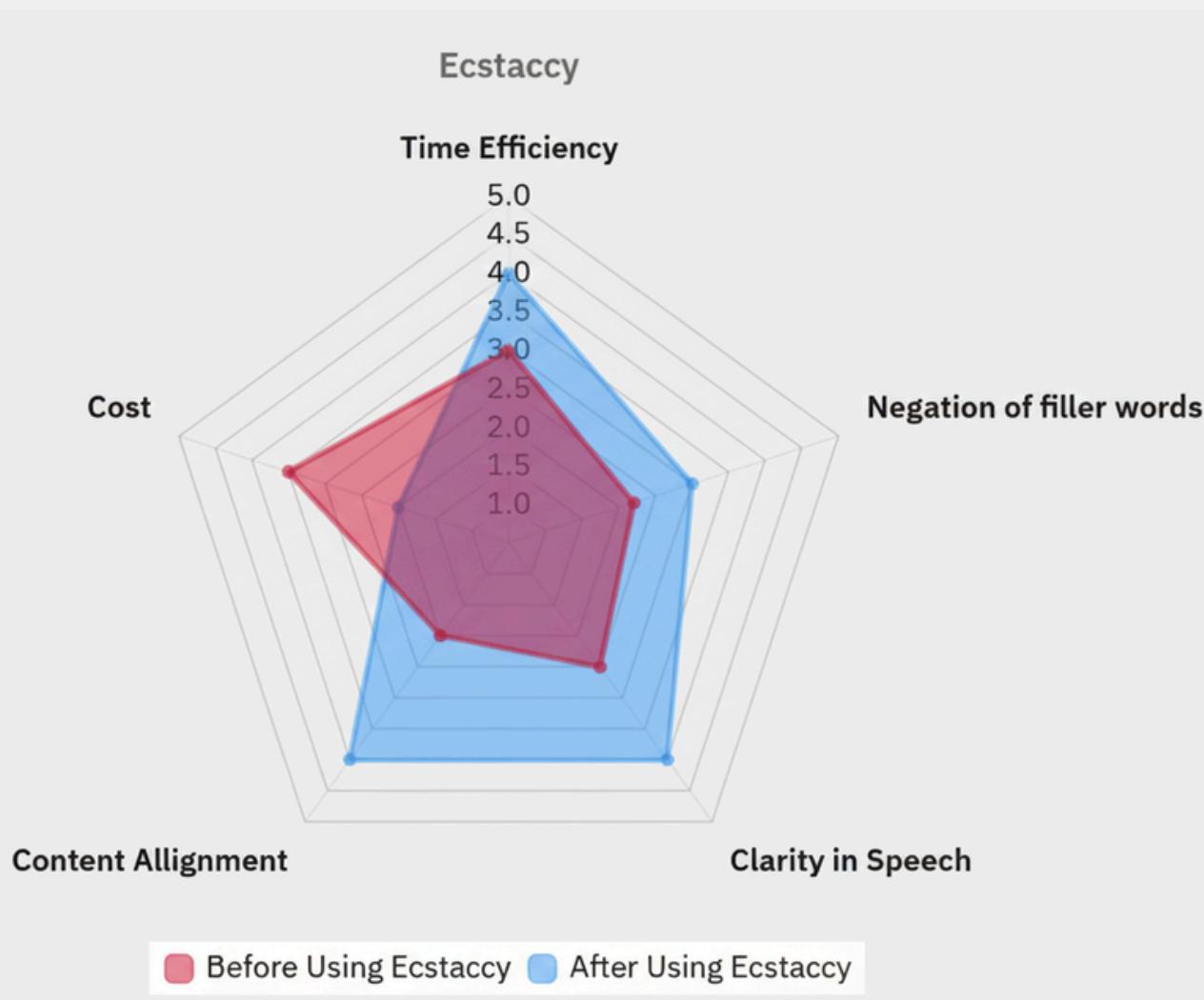


Job Seekers: Candidates practicing for interviews that include a presentation component.



Teams: The "Team Collaboration" feature specifically targets corporate teams and student groups who build and practice presentations collaboratively.

IMPACT



- **Cost Reduction:** Provides comprehensive coaching at a fraction of the cost of traditional human mentorship.
- **Measurable Improvement:** Shifts delivery from subjective feelings to objective metrics (WPM targets, filler word counts).
- **Time Efficiency:** Instant feedback loop allows users to complete multiple practice iterations in minutes, not hours.
- **Increased Confidence:** Iterative tracking and positive gamification build sustained confidence and reduce stage fright.

NOVELTY AND INNOVATION

- **Context-Aware Coaching** (Key Innovation): The AI coach doesn't just analyze how you speak; it analyzes what you speak in relation to your uploaded slide content, catching missed key points.
- **Integrated Gamification**: Moves beyond simple performance tracking; users advance through the 5-Level Progression (e.g., First Words \\$\to\\$ Presentation Master) tied to measurable skill gain (XP, Badges).
- **Audio Signal Analysis**: Advanced features planned to analyze Tone & Energy, providing deeper feedback than simple transcription alone.
- **Collaborative Practice Spaces**: Real-time, shared presentation environments that mirror modern team workflows.

USABILITY AND DESIRABILITY

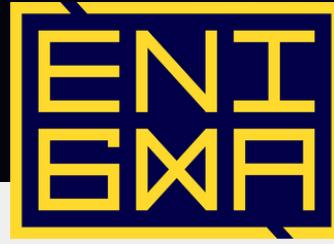
- **Frictionless Workflow:** We address anxiety and professional risk with a low-friction process
- **Universal Value & Affordability:** Makes elite, data-driven coaching accessible to all, not just executives, solving a universal pain point.
- **Intuitive Design:** A responsive, fast UI/UX built on Next.js and shadcn/ui with clear Visual Tracking (Progress Bars).
- **Engagement & Retention:** The gamified system makes the often tedious process of rehearsal fun and addictive, driving user retention.
- **Actionable & Future-Proof:** Provides easy-to-implement, severity-based feedback while the AI foundation ensures continuous value with future features like the Q&A Generator.

TEAM MEMBERS CONTRIBUTION

Chaitanya Anand : Backend and AI Integration

Sai Akhil : frontend and presentation

Rudraksh Kapil: Ai integration and presentation



Thank You