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Problem Statement

Sex education remains one of the most **awkward, neglected, and inconsistent** parts of schooling. From our survey of 100+ young adults, **72% never had a proper conversation about sex, consent, or personal boundaries**. When institutions avoid these topics, young people turn to the internet — often leading to **misinformation, fear, or unsafe behavior**. The problem affects teenagers and young adults globally, especially in culturally conservative communities. There's an urgent need for **safe, engaging, and accurate sex education** that can adapt to diverse contexts and actually start conversations — not just deliver content.

Target Audience & Context

Our core users are **students aged 13–24**, from high schools, colleges, and universities. Many come from environments where sex ed is either skipped or treated like a checklist item. Parents and educators are often hesitant or ill-equipped to guide them. We also serve **NGOs and organizations** working in youth wellness, who lack modern tools to educate at scale. Beyond Whisper fits perfectly here — **discreet, AI-powered, and emotionally intelligent**. It feels more like a safe friend than a school lecture.

Use of Gen-AI

Beyond Whisper uses Generative AI to deliver sex education that feels like a conversation, not a classroom.

- Roleplay Simulation Engine:** Using Google's Gemini API, we generate **age-appropriate, contextual, and culturally sensitive scenarios**, allowing users to make decisions and receive **real-time feedback**.
 - AI Video Generation (via Manim):** Key concepts and conversations are transformed into **short animated videos**, dynamically generated using **Manim and AI scripts**, ensuring **visually engaging explanations** of sensitive topics like consent, STDs, emotional safety, and boundaries.
 - Personalization:** AI adapts content based on age, history, and behavior — ensuring content is **never generic** and always emotionally aware.
Gen-AI gives us **scalable, inclusive, and emotionally intelligent content**, bridging the awkward gap between school silence and unsafe Googling.
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Solution Framework

Core Idea:

An **AI-powered sex education platform** with interactive simulations and dynamic video lessons designed for students, institutions, and NGOs.

Website Overview:

- **Anonymous User Onboarding:** User enters age group and chooses a topic.
- **Roleplay Scenarios:** Gemini-powered branching conversations around real-life issues (e.g., being pressured into sharing photos, handling inappropriate DMs).
- **Interactive Choices + Feedback:** AI provides learning-focused responses.
- **Dynamic Video Explainers:** Manim-generated animations present topics in 60–90 sec digestible, school-friendly formats.
- **Smart Curriculum Paths:** Learners progress through personalized paths covering consent, relationships, puberty, safety, and emotional health.

Features Overview:

- **AI Chatbot** – Answers sensitive sex-ed questions in an age-appropriate and empathetic tone.
- **Roleplay Simulator** – Interactive “choose-your-response” scenarios to learn boundaries and consent.
- **Talk Simulator** – Guides users through simulated conversations with parents or partners.
- **Personalized Stories** – AI-generated reflective stories tailored to age and learning needs.
- **Dynamic Video Lessons** – Animated explainer videos auto-generated using Manim and AI scripts.
- **Age-Based Content Filtering** – Customizes every experience based on the user's age group.

We use a multi-layered approach to reduce hallucination risk:

1. **System-level instructions** are carefully designed to keep responses factual, age-appropriate, and grounded in medical accuracy. It is fine tuned by all the responses collected from different surveys for better sentiment analysis.
2. For high-risk or frequently asked topics (like STIs, consent, or abuse), we use **pre-approved responses or hybrid AI-human templates**, ensuring reliability.
3. We apply a **post-processing guardrail layer** that filters unsafe or unsupported outputs using keyword checking and content moderation logic.
4. We also log and analyze AI responses over time. Any flagged or inconsistent answer is reviewed and added to a curated fallback knowledge base.

While no AI is 100% hallucination-free, this framework significantly minimizes misinformation.