YenMozhi Video Script

Duration: 6–10 minutes

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1. **Opening / Hook (0:00–0:40)** Visuals: Classroom montage, children, you interacting. Speech: "In India, over 18 million children live with Autism Spectrum Disorder — nearly 3% of the population. For many, expressing even basic needs is a daily struggle. Simple requests for water, help, or pain often go unheard. Imagine being in a world where your voice cannot be understood... This is the reality for millions of children." Text overlay: "YenMozhi – Giving a voice to interact with the world"

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1. **Problem Statement (0:40–1:40)** Visuals: Classroom scenarios, gestures, stats overlay. Speech: "During a visit to a nearby autism school, I saw nearly 80 students struggling daily to communicate. Teachers and parents often have to guess their needs, leading to frustration, isolation, and stress. Existing tools are mostly software-based, expensive, or require internet access — making them inaccessible for most schools, especially in rural areas. There was no affordable, hardware-based solution that could truly empower these children to communicate."

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1. **Introducing the Solution – YenMozhi (1:40–3:00)** Visuals: Device close-up, tap-to-activate animation, AI processing. Speech: "This inspired me to create YenMozhi — Tamil for 'My Voice'. YenMozhi is a portable, low-cost, AI-powered device that transforms the unique sounds made by autistic and cerebral palsy children into clear speech." Key features:
2. No Buttons, Tap-to-Activate.
3. Sound-to-Speech Conversion.
4. Offline Functionality.
5. Portable & Affordable. Text overlay: "Child-friendly, affordable, works anywhere, anytime."

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1. **Methodology & How It Works (3:00–5:00)** Visuals: Animation of sound processing, block diagram, AI training screenshots. Speech: "The methodology behind YenMozhi is simple but powerful:"
2. Data Collection: Field recordings of students' natural sounds.
3. AI Training: TensorFlow Lite & Teachable Machine model.
4. Hardware Integration: ESP32 runs the model locally, detects sounds, triggers speech.
5. Tap-to-Activate: Accessible for all hand abilities.
6. Testing: Iterative validation with students and teachers. Text overlay: "AI-powered, child-friendly, reliable, offline-capable."

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1. **Demonstration / Real Usage (5:00–6:30)** Visuals: Live interaction, child taps device → speech output. Speech: "Here is YenMozhi in action. A student taps the device... and instantly communicates their need. Teachers respond immediately. Urgent sounds trigger real-time alerts — improving safety and reducing stress for both children and caregivers." Text overlay: "Empowering children, easing caregivers, enhancing inclusion."

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1. **Social & Economic Impact (6:30–7:30)** Visuals: Children interacting, parents/teachers relieved, comparison with software. Speech: "YenMozhi empowers children who were previously unheard. It enables classroom inclusion, reduces caregiver stress, and ensures communication during emergencies. Affordable at ₹450–₹600 per unit, it is scalable nationwide. My vision is to make YenMozhi as common as hearing aids in classrooms, bringing equality and dignity to every child."

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1. **Future Vision (7:30–8:30)** Visuals: Wearable concepts, multi-language support, national map. Speech: "The future includes multi-language support, real-time caregiver alerts, wearable formats, and collaborations with NGOs and government schools to distribute devices free to underprivileged children. My goal is a nationwide solution, ensuring every child can be heard."

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1. **Conclusion / Call to Action (8:30–9:30)** Visuals: Child smiling, you talking, logo + tagline. Speech: "YenMozhi is not just a device — it is a mission. More than an innovation; it is an invention that restores dignity, independence, and inclusion. With mentorship, guidance, and support, we can refine, scale, and distribute this device nationwide. Together, no sound is ignored, no need unheard, and no child left behind." Text Overlay: "Support YenMozhi. Empower Every Child. Transform Lives."

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1. **Outro / Credits (9:30–10:00)** Visuals: Symphonix logo, contact info, montage of children & device. Speech: "For more information or collaboration, contact Symphonix at symphonixtech@gmail.com. Join us in giving every child a voice."