TechTrap

Your adventure starts here

AGENDA

About

TECHTRAP is a smart platform that encourages children to learn and grow through movement. By using a camera and AI, it captures real time body actions and translates them into game controls. The platform is not just about fun it helps fight childhood obesity, supports special needs children, and introduces a new playful way to integrate physiotherapy into daily routines.

Goals & Objectives

- Develop motor & sensory skills
- Promote physical activity & reduce passive screen time
- Provide fun physiotherapy for children with special needs

How It Works

Step by Step

- **Motion Capture - camera tracks movements**

- **AI Processing - detects gestures & activity**

- **Game Interaction - body controls gameplay**

- **Progress Tracking - weekly skill reports**

The TECHTRAP Solution

Current Challenges

- Poor motor & sensory development
- Childhood obesity from inactivity
- Lack of inclusive learning tools
- Limited, non engaging physiotherapy options

Our Answer

- AI-powered movement-based games
- Enhances motor skills & therapy
- Encourages healthy activity
- Safe, fun & inclusive environment

Smart Dashboard

- Tracks child's movements & activity patterns
- Highlights most engaging games
- Sends weekly progress reports to parents

Skill Tree & Rewards System

- Children earn points & unlock achievements
- Points convert into real life reward coupons
- Coupons redeemable at toy shops & partner stores in Bahrain

Social & Ethical Considerations

Our Values

- Inclusivity for all abilities
- Safe gameplay design
- Data privacy with camera use
- Equal access to smart learning tools

Next Level

Future Vision of TECHTRAP

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