

Auti Talk



IMPAIRATHON - 2024

Ministry/Organization : KARPAGAM INNOVATION
AND INCUBATION COUNCIL

Name of the Student : ANIL KATROTH
Department and Year : CSE - IV
College Name : RGUKT, Basar



Problem Statement

PERVASIVE DEVELOPMENT:

System to develop communication for autistic children



Proposed Solution

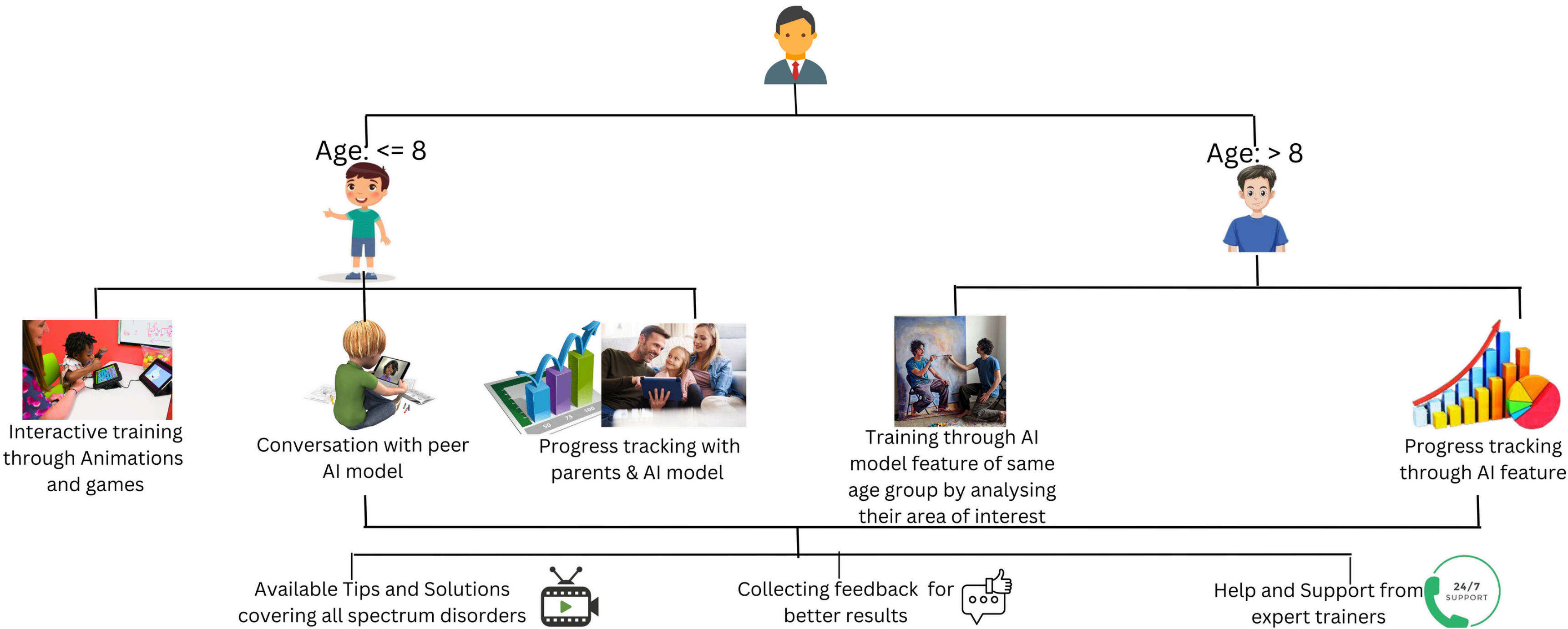
IDEA/SOLUTION: Implementation of an interactive AI model of same age group to treat autism by tracking the progress of the individual.

- ➡ Unique software that utilize an AI model that communicates like a peer of the same age group.
- ➡ Tailored activities for kids below 8. Teens lead fun activities for those above 8, improving communication through their interests in singing, dancing, and arts, etc.
- ➡ Comprehensive section offering available solutions and tips for parents to support their children effectively.
- ➡ Special Focus on Teenagers where there are no system to treat them

TECHNOLOGY STACK

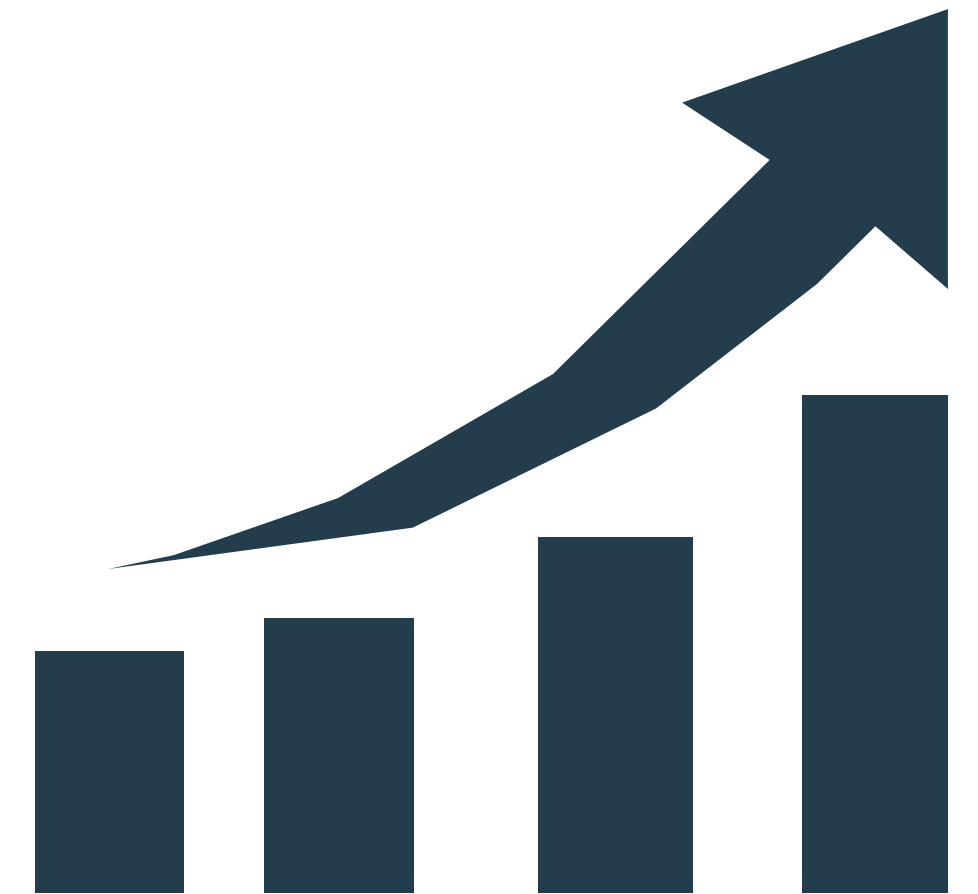


ARCHITECTURE



Market Analysis

- ➔ Current solution is a software which works based on squizzy technology(Educational Software) and it is mainly available on tabs, whereas our's is also a software which works by an AI model, concentrate on cognitive development (how they think, recognise and remember) and it is available on all devices.
- ➔ We are indirect competitors as we provide different type of guidance and also include few different features like progress tracking, friendly AI-mode.



Target Market

- ➔ Our main target is the parents who prefer for a user-friendly software which enhance communication and social skills by providing practical and affordable solutions for their child development
- ➔ Our software stands out by providing resources for autistic teens in areas where there are limited existing support.
- ➔ Inorder to make our idea reach the people we will use the social media platforms like Instagram, YouTube, Facebook and also Newspaper Adds



Marketing Strategy

A Providing friendly AI-model according to their age

B Providing child's progress to their guardian

C Providing their nearby psychologists contact details



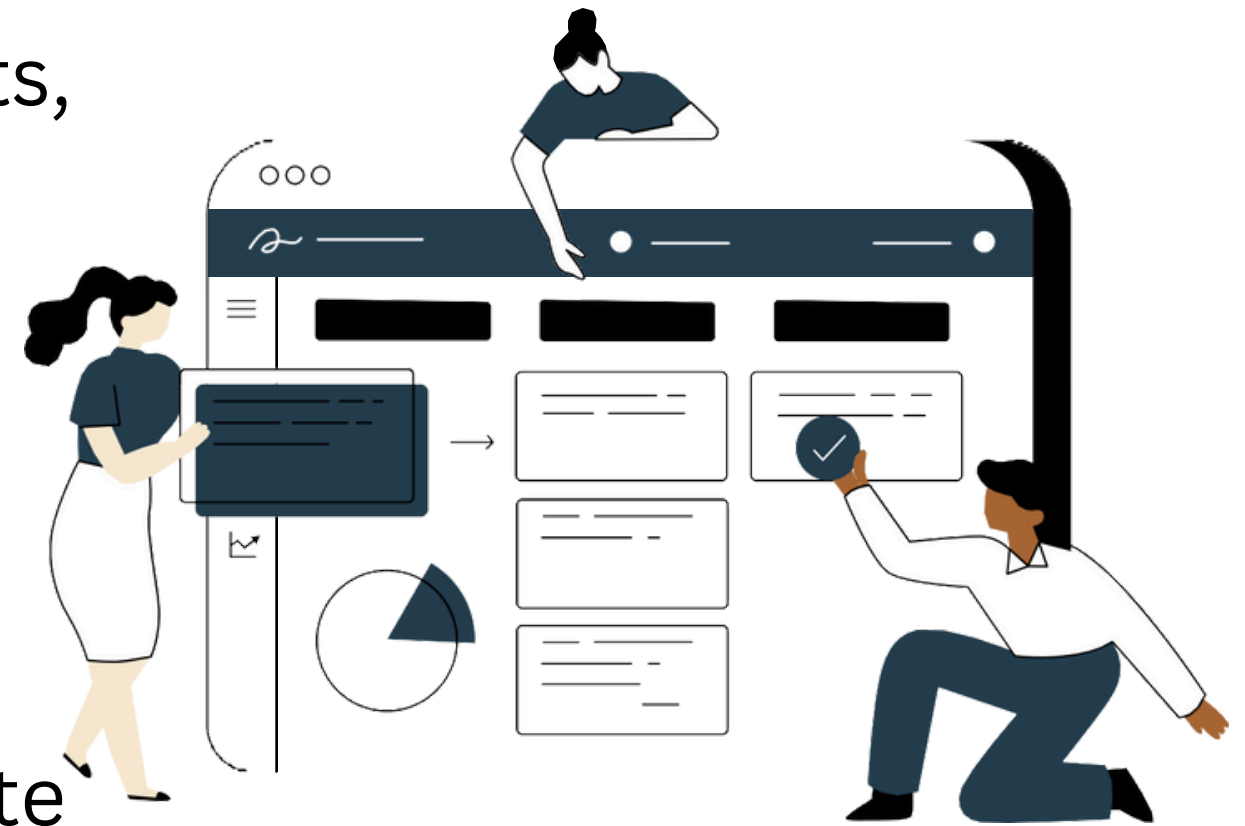
Competitive Advantages

- ➔ Personalized communication strategies as it is a spectrum.
- ➔ Specialized support for teenagers based on interests.
- ➔ Practical Parenting Resources & assisting with near Psychology/training centers.
- ➔ Integrating AI and parents to track children progress.
- ➔ Educational and Life Skills Development with ease.



Milestones

- ➡ Analyze existing tools, AI models, and case studies for autistic children.
- ➡ Engage stakeholders (parents, educators, psychologists, autistic children) for insights and requirements.
- ➡ Develop AI model, activities, animations, and games.
- ➡ Define technical architecture: frontend, backend, AI integration, database schema.
- ➡ Outline systems for progress tracking and feedback.
- ➡ Train AI models, create animations and games, integrate features.
- ➡ Conduct rigorous testing to ensure functionality and usability.



Budget Breakdown

AI Integration : ₹2,00,000/-

Content Development : ₹1,50,000/-

Additional Costs : ₹1,50,000/-

Estimated Total Cost : ₹5,00,000/-

Team

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Contact



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