

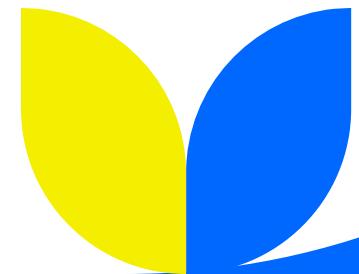
TimTim: Children's Robot Bestie

Inclusive - Innovative - Impactive



Haprow - ‘Happiness’ & ‘Growth’

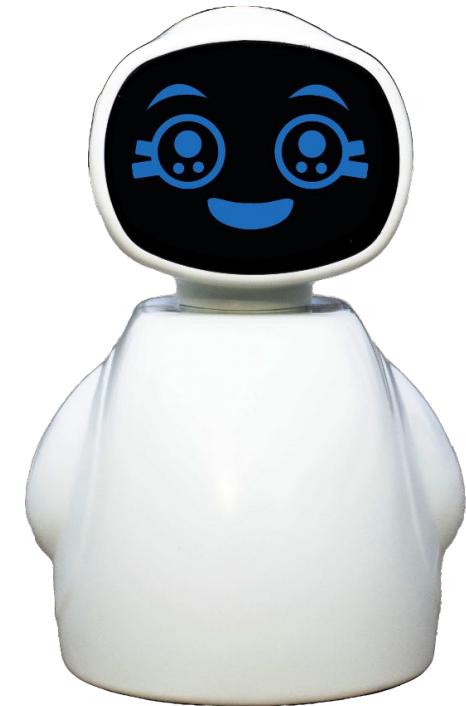
- Haprow (Private) Limited is a socially-driven tech initiative on a mission to enhance the lives of individuals through innovative robots.
- We aim to be world's finest at building solutions for the welfare of children worldwide.



Product Overview

TimTim: All-in-One Companion

- First commercial robot in Pakistan for special education (including autism care) and school learning.
- Developed with insights from child specialists and educators to provide support for school learning and therapy to special children.
- Developing their communication, social, and cognitive skills.
- Collaborations with special education schools and centres across Pakistan.



Special Education to School Learning

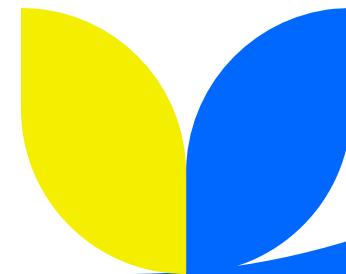
- What started as our inspiration to empower kids with autism serves today as a powerful educational tool and social buddy to special children and school students.
- Our journey to creating TimTim is a work of years of research, specialist feedback and technical expertise.







Children with TimTim

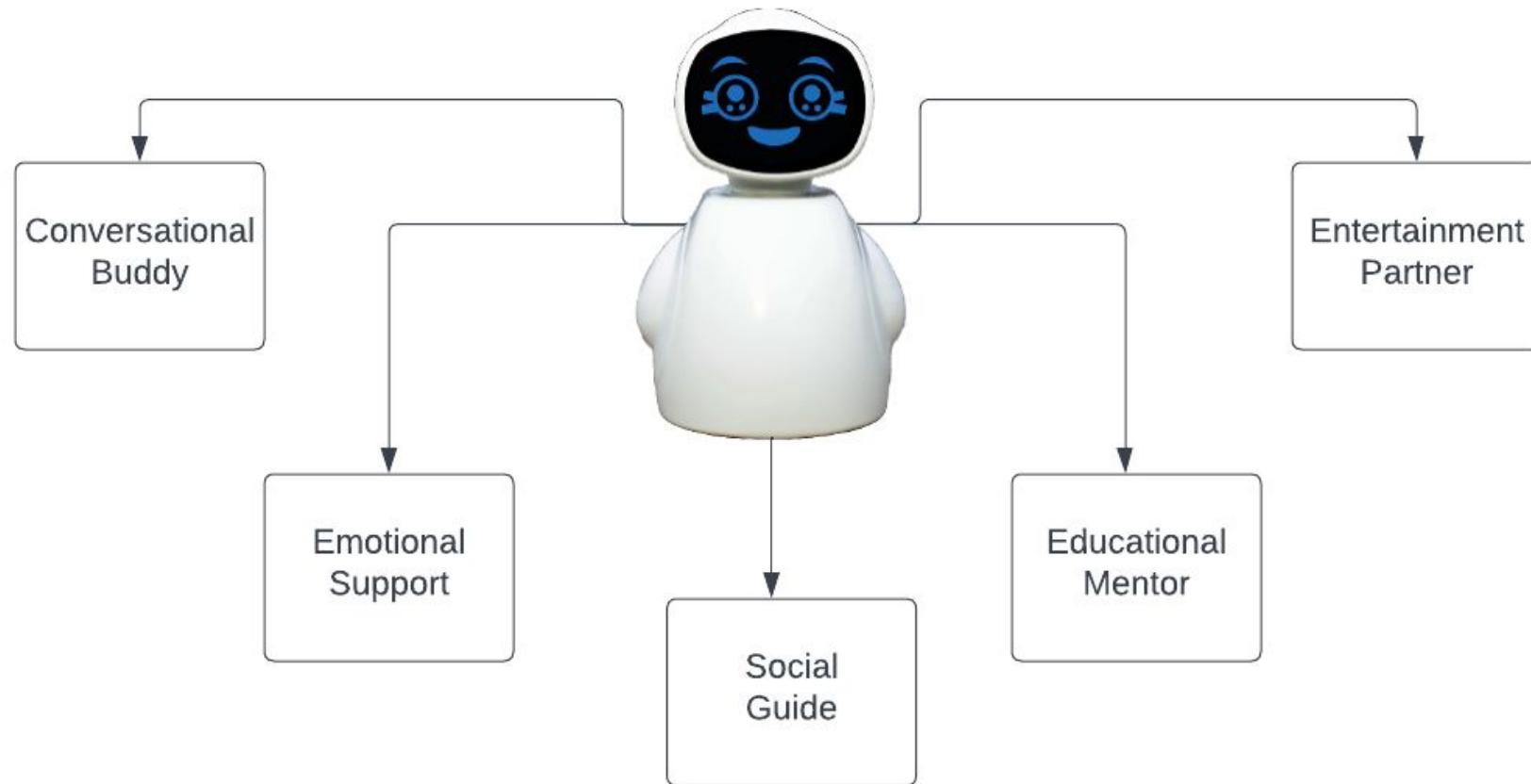


Features & Specifications

Specifications

- **Battery:** With the battery backup of up to 7 hours, TimTim is there for your child at every step.
- **WiFi / Bluetooth:** TimTim uses WiFi for most features and bluetooth for movement control.
- **Mobile App:** TimTim comes with its mobile app specifically designed for caregivers and teachers.
- **Interactivity:** Using a high-quality camera, mic and LCD, TimTim interacts seamlessly with children.

TimTim: Modules



TimTim as Teacher

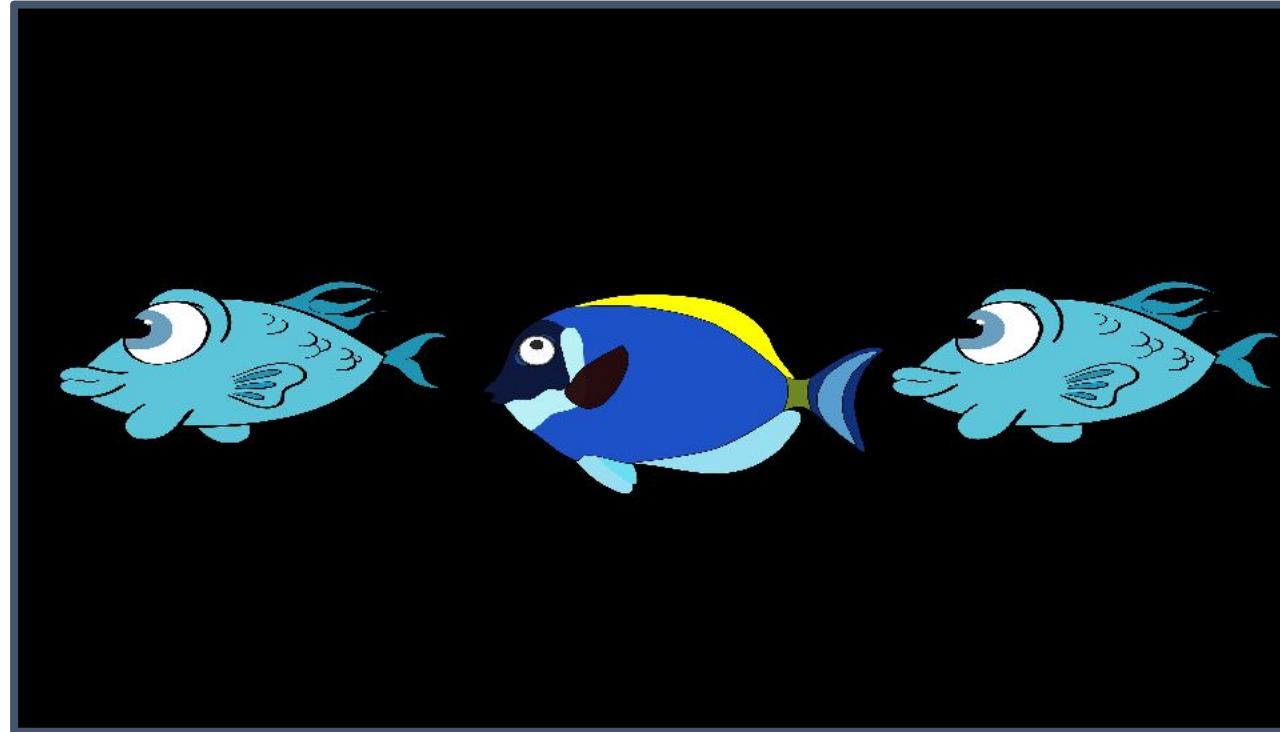
(Game-Based Learning)

(Using camera for input - ideal for non-verbal communication)

Finding Dory

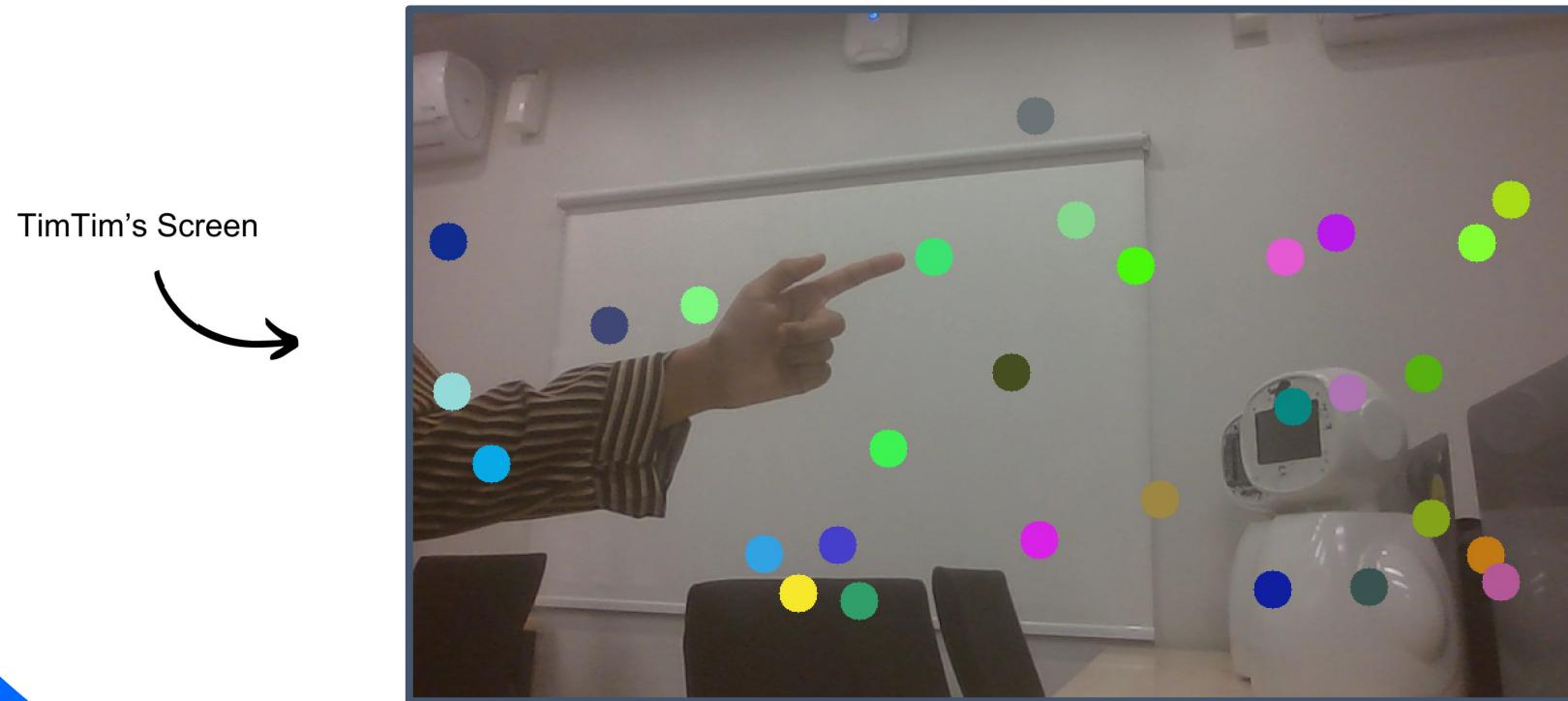
TimTim teaches the child how Dory looks then showing different photos, TimTim asks, "Which one is Dory?" The child replies with a finger gesture and TimTim asserts the answer as right or wrong.

TimTim's Screen



Pop the Bubbles

The child points towards a bubble on TimTim's screen and it pops.
Improves motor skills and helps learn about colors.



Draw with TimTim

Using hand gestures, the child can draw and trace letters, digits and shapes on TimTim's screen.
Improves motor and cognitive skills.

TimTim's Screen
→



Virtual Basketball

Using hand gestures, the child can throw the ball in the hoop to secure a point.
Can be played by multiple children to encourage collaboration and participation.

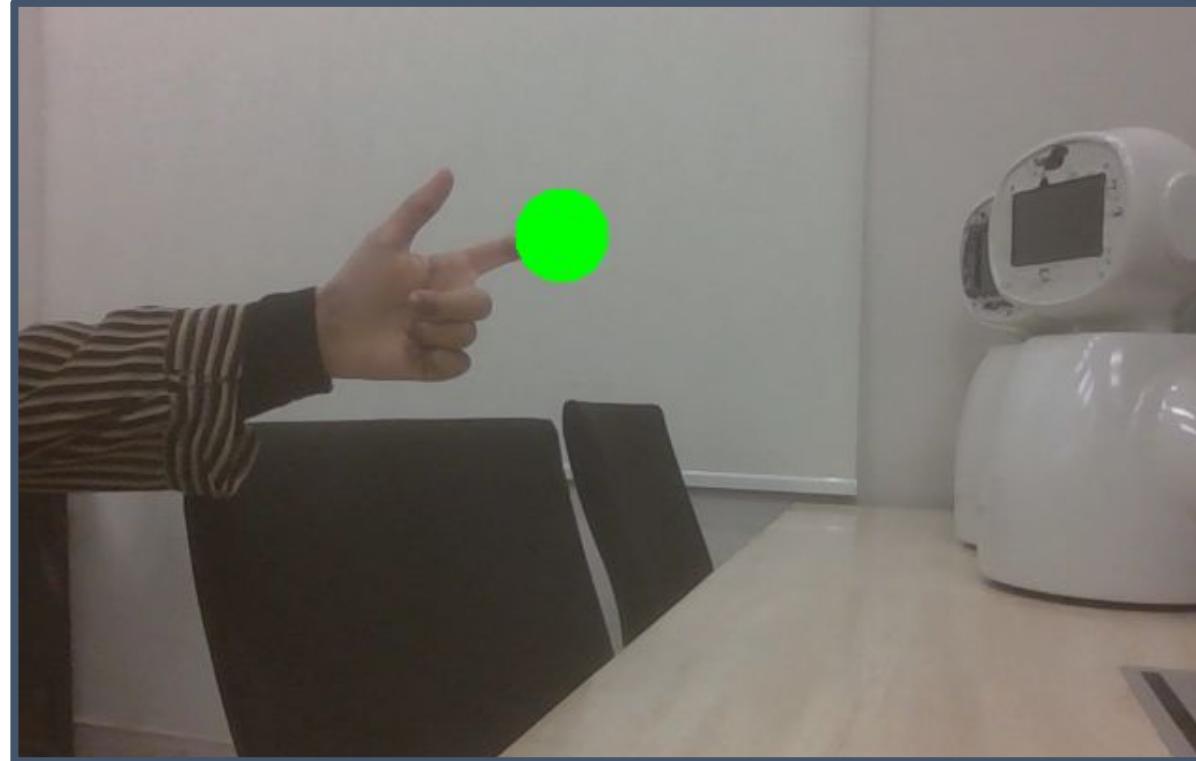
TimTim's Screen



Object Sorting

Using hand gestures, the child sorts objects like balls in order of size.
Improves motor and cognitive skills.

TimTim's Screen



What Animal is This?

Showing pictures of different animals, TimTim asks, “What animal is this?”, takes user audio as input and asserts the child’s answer as right or wrong.

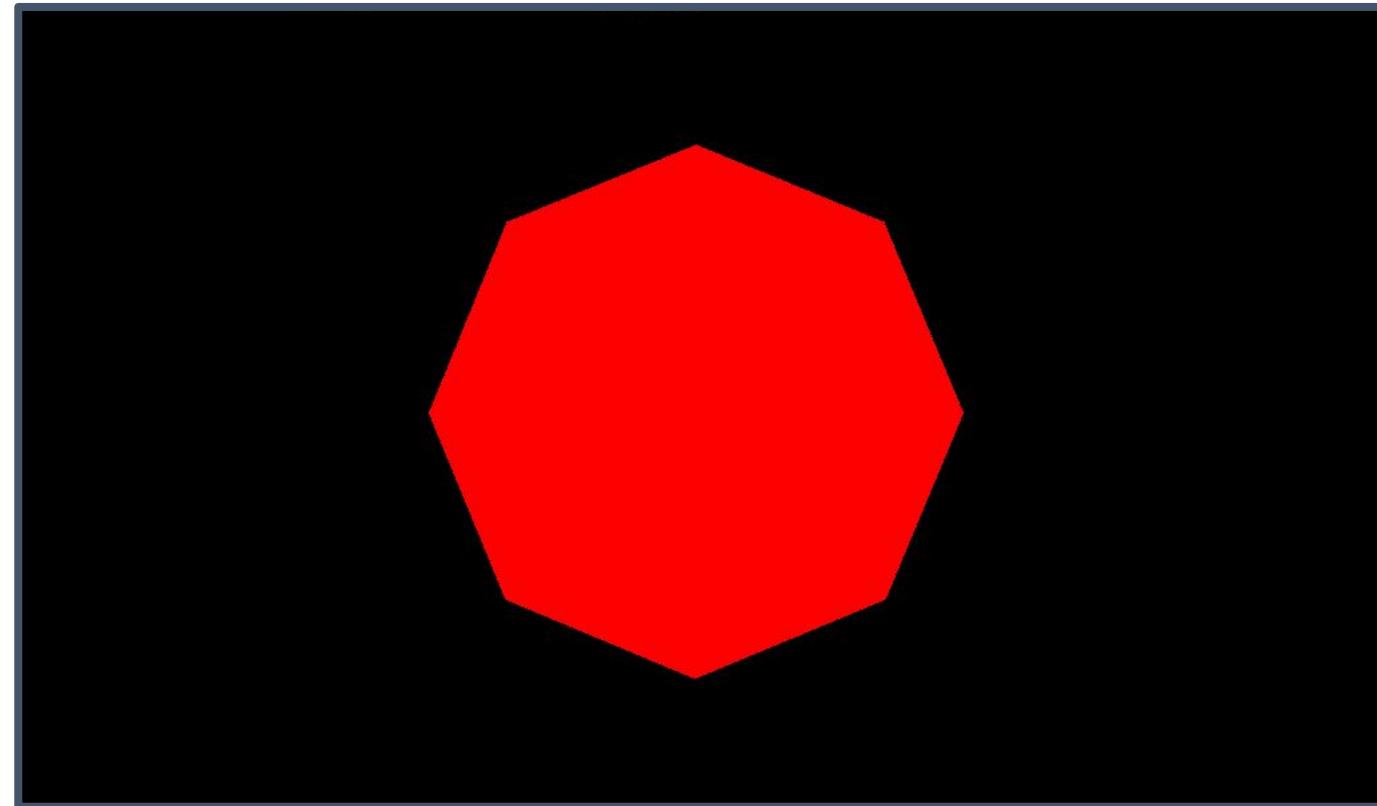
TimTim's Screen



What Shape is This?

Showing pictures of different shapes, TimTim asks, “What **shape** is this?”, takes user audio as input and asserts the child’s answer as right or wrong.

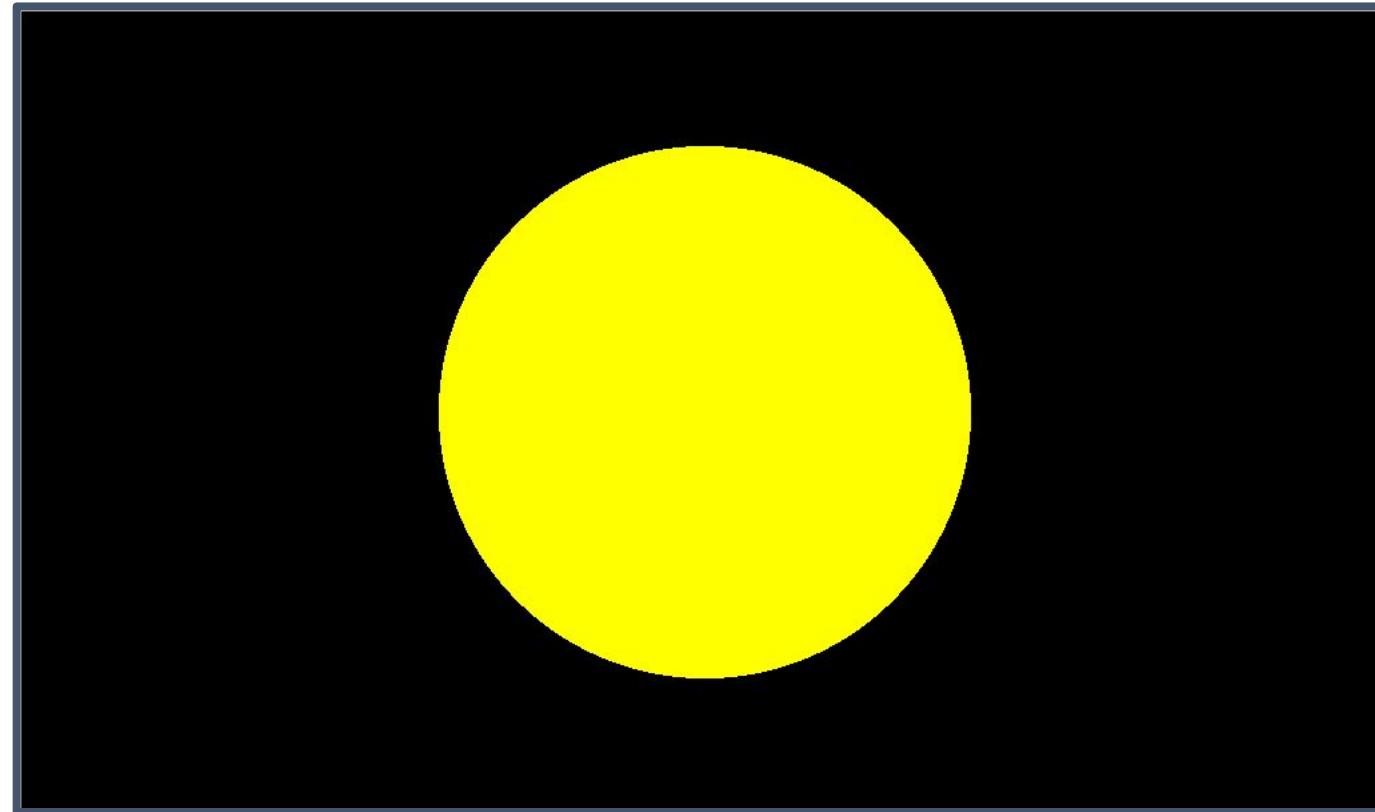
TimTim’s Screen



What Color is This?

Showing pictures of different colors, TimTim asks, “What color is this?”, takes user audio as input and asserts the child’s answer as right or wrong.

TimTim's Screen



Guess the Color / Animal / Shape

To customize the above three games for non-verbal children, you can play 'Guess the [object]' series, in which no user input is taken, but TimTim still teaches the kids about animals, shapes and colors.

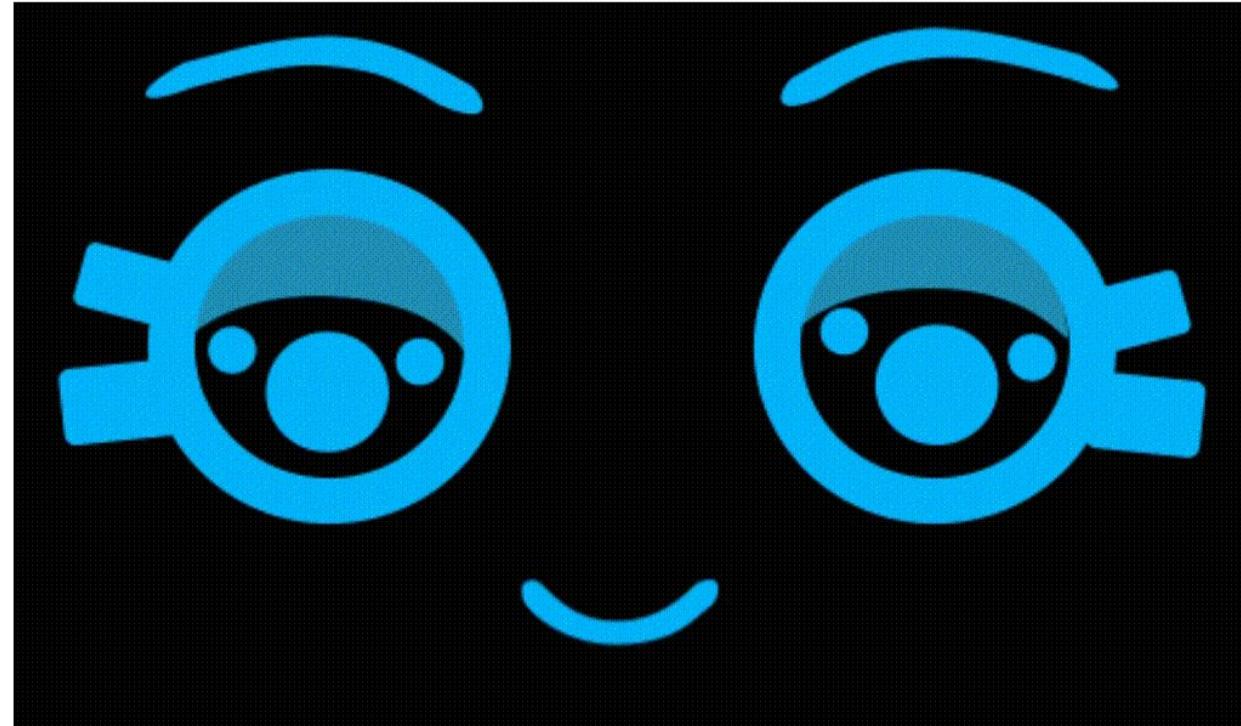
TimTim as Emotional Support

(Using soothing sounds and visuals)

Who Am I?

You ask TimTim, “Who am I?” and TimTim recognizes you by your name, tells you how you are feeling by your face expressions and asks what activity you want to perform.

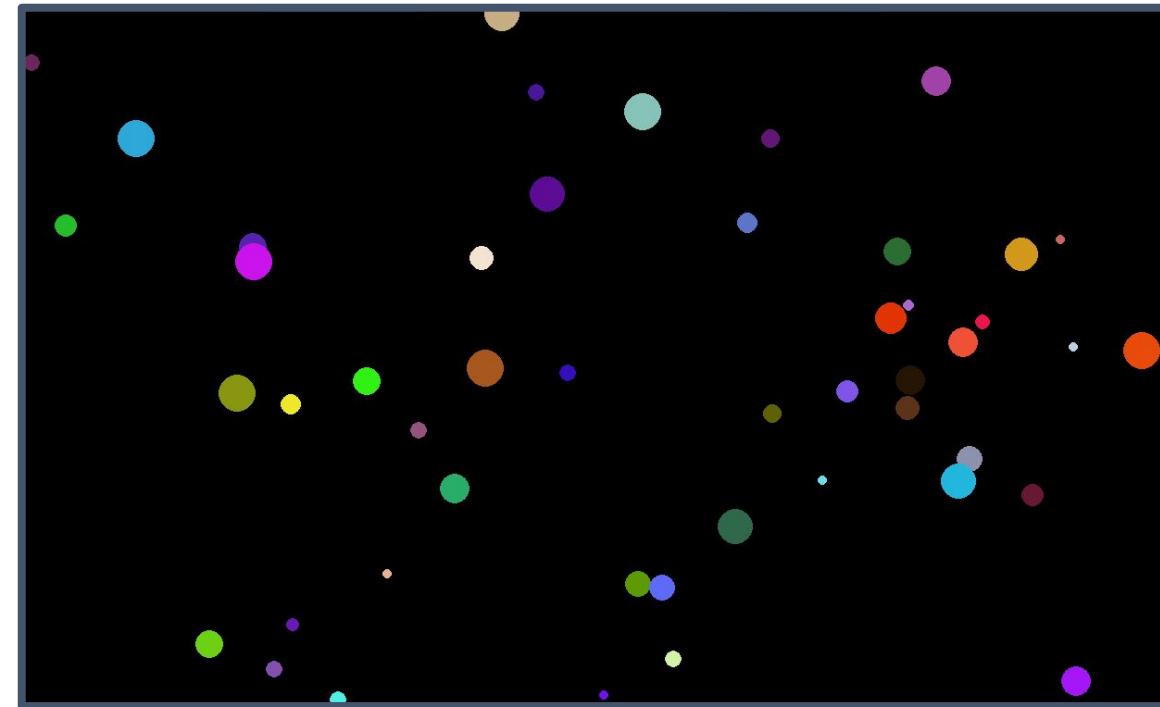
TimTim's Screen



Bubbles

On TimTim's screen, bubbles move in a visually appealing pattern with a soothing sound to calm down the child. Used in sensory relaxation.

TimTim's Screen



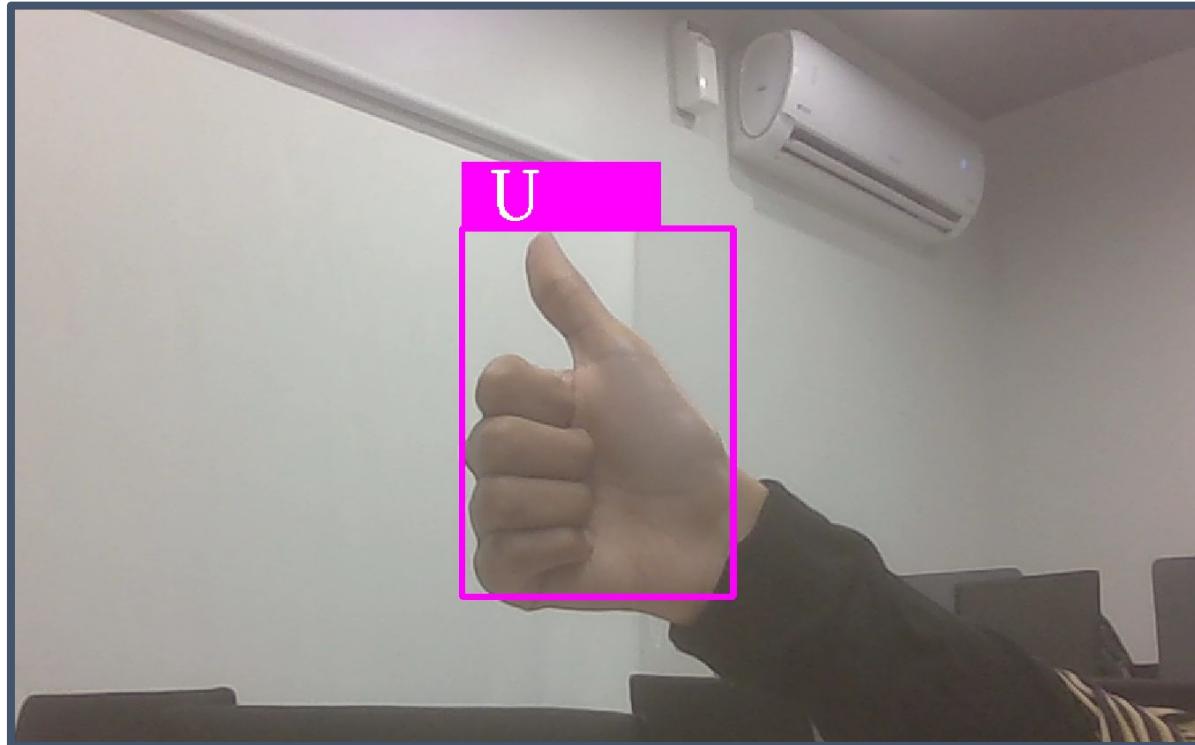
TimTim as Conversational Buddy

(TimTim understands Urdu, English and Sign Language)

Conversation

Back and forth conversation in English, Danish and Urdu. Understanding Sign language using camera.

TimTim's Screen



TimTim as Social Guide

(Boosts confidence and encourages good social behaviors)

Social Stories & Poems

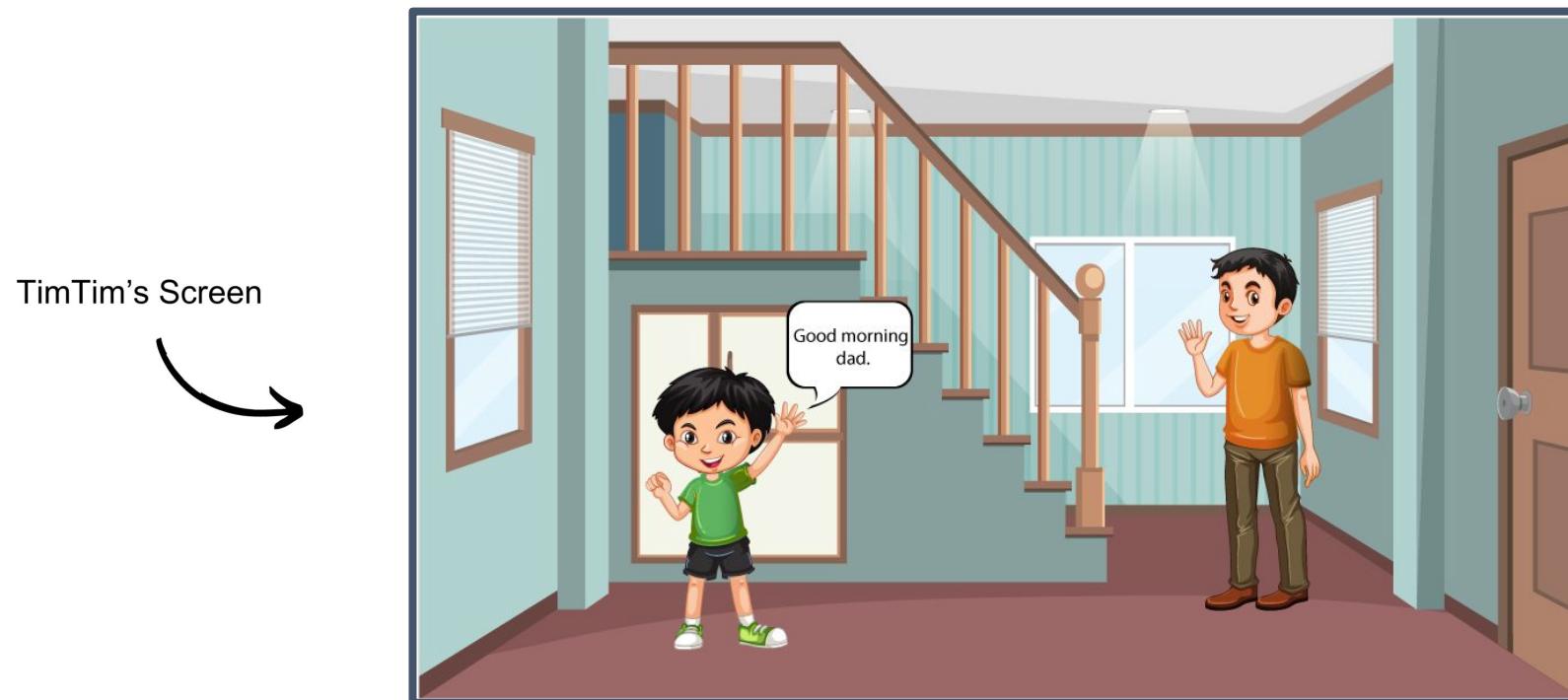
Rhymes, music, jokes and lesson-based stories with colorful visuals (English and Urdu).

TimTim's Screen



Social Behaviors

Using visual aids, TimTim teaches manners, dialogue and social behaviors.



TimTim as Entertainment Partner

(Using interesting sounds and visuals)

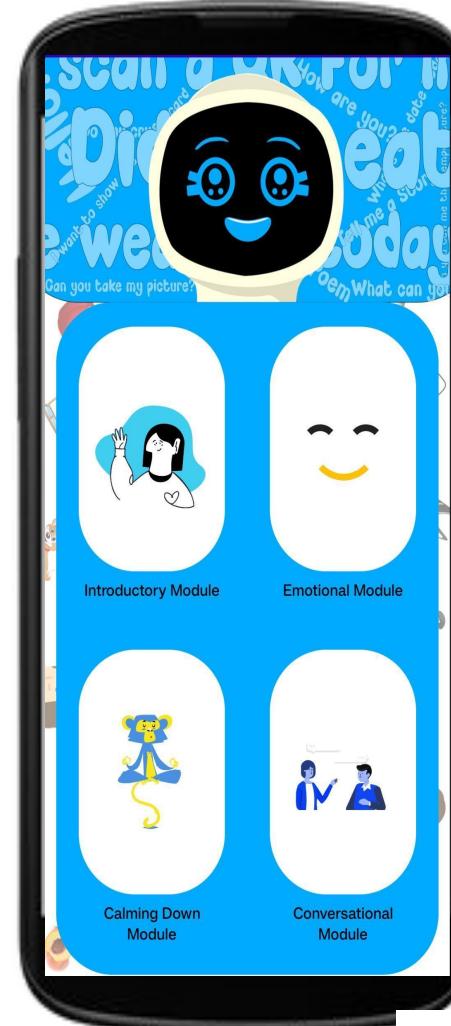
Walk with TimTim

TimTim walks around with children. Movement control using our mobile app.

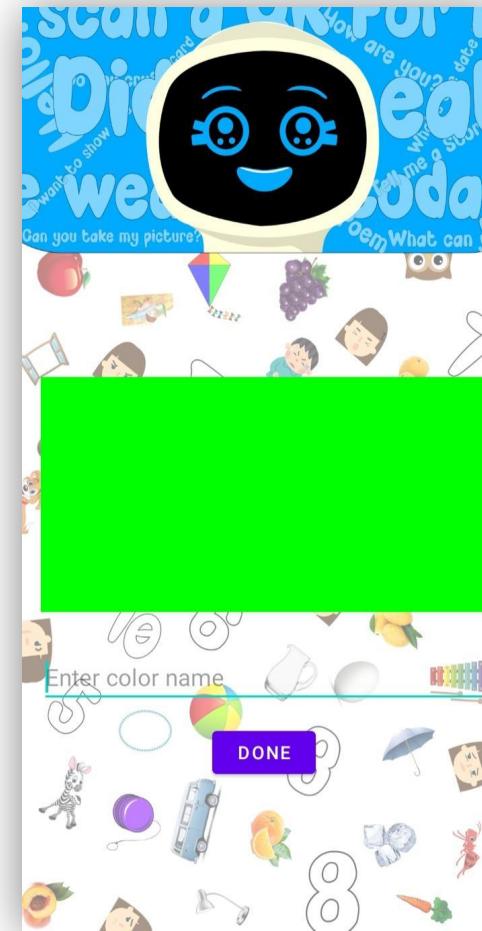


TimTim Mobile App

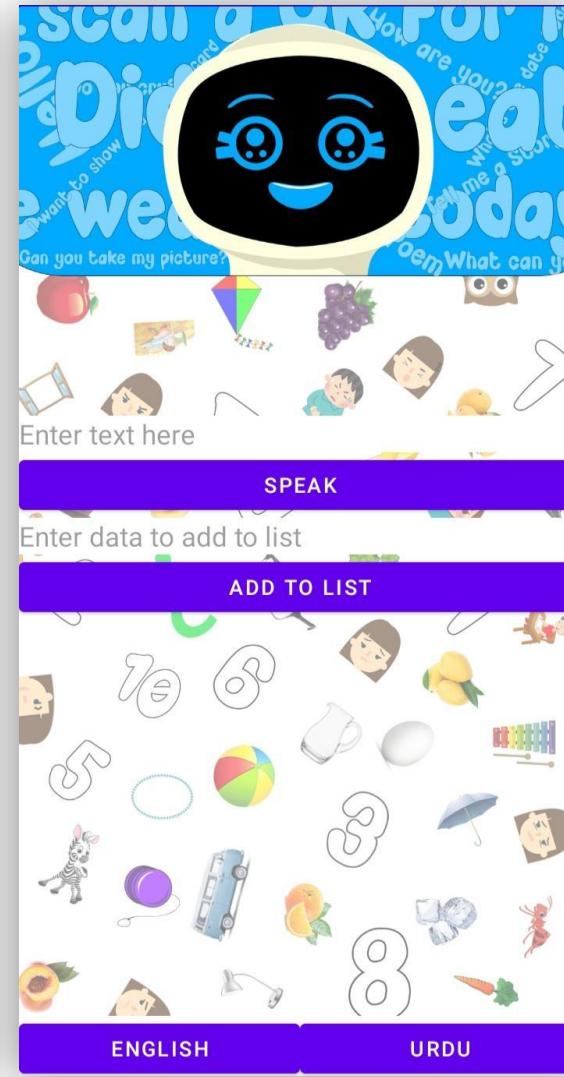
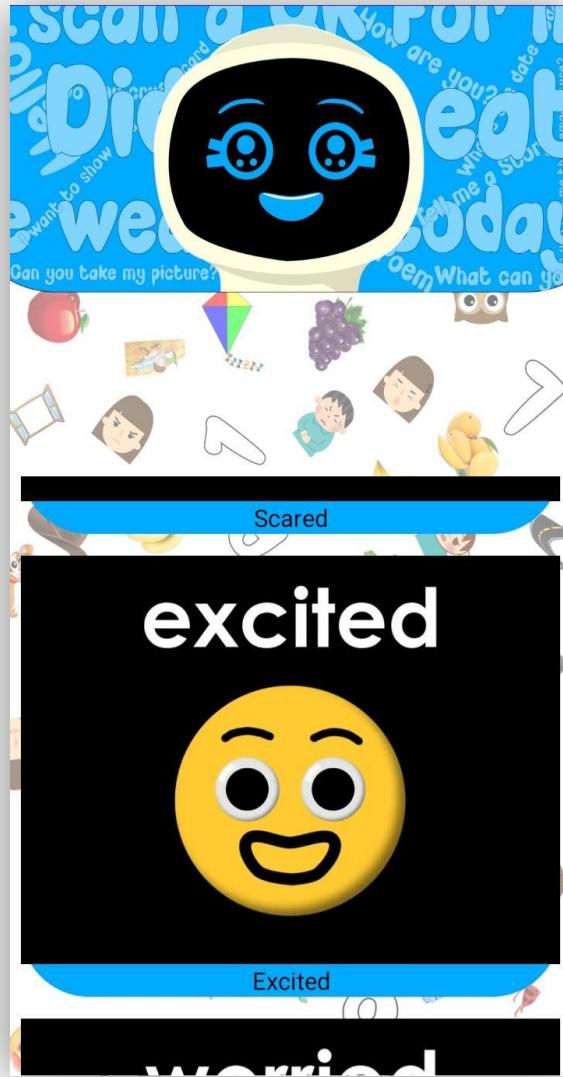
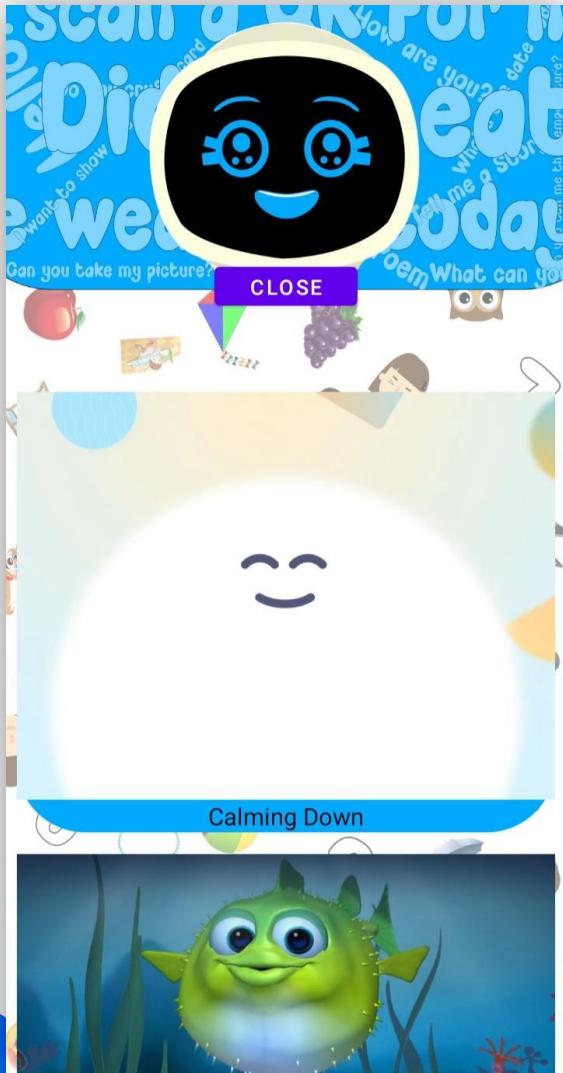
- Specifically designed for teachers and caregivers to use alongside the robot.
- Multiple modules for socializing, emotion management, education and entertainment.
- Games-based learning.
- Stories, questionnaires and other engaging features.
- Speak through TimTim (have TimTim say custom text).
- Walk around with TimTim.



Color Games



Several More Interesting Features



More Interesting Features

- TimTim captures memories and precious moments.
- Emotion regulation and specialist-recommended therapeutic exercises for children.
- Communication using flash cards.

Value Proposition

Unique Selling Proposition (USP)

- **Unique Design:** First in Pakistan, with a friendly penguin avatar, TimTim is made using simple colors and speaks in multiple languages with a gentle voice to make sure things don't get too overwhelming.
- **Customization:** We offer customized content allowing users to tailor the robot's features to their children's specific needs.
- **Affordability:** TimTim's pricing is set keeping in view the financial conditions of our target market.

The Market

- **Users** are the individuals who interact with TimTim directly, such as special children, school students and the people who look after or educate them.
- **Customers** are the organizations offering support and education to children:
 - Special education schools.
 - Corporations with CSR initiatives sponsoring TimTim for community benefits.
 - Philanthropic foundations funding aids for children welfare.
 - Special education advocacy groups.
 - Parents/guardians of children.

The Market Size

- Globally, most facilities for the treatment of children with developmental challenges are open to collaborations, since the results of the robot assisted technology are promising.
- Children schools all around the world could benefit from TimTim.

Our Partners

 <p>Pakistan Centre for Autism A PROJECT OF SCALeD</p>	 <p>accelerate prosperity</p>		 <p>Institute of Holistic Rehabilitation and Inclusion IHRI</p>	 <p>Dewa TRUST PAKISTAN</p>
 <p>TouchPoint Enabling Transaction Convenience</p>	 <p>SPIRE PAKISTAN</p>	 <p>Dolmen Mall</p>	 <p>NATIONAL IDEA BANK</p>	 <p>Leesa</p>



Pricing

Pricing

Description	1 unit of TimTim robot, 1 charging adapter, and 1 product manual
Unit Price	360,000 PKR
Annual Subscription	120,000 PKR
Total	480,000 PKR

Annual Subscription

- Subscription charges for the first year are included in the total price paid by Buyer at the time of product purchase.
- To continue product maintenance and receive updates, the yearly subscription would be 120,000 PKR to be charged after 12 months.

Annual Subscription Includes

- Customer training of TimTim usage
- Product warranty
- Customer support
- Product enhancement and new features in TimTim
- Updates in the mobile application
- Customized updates for customer
(upon their request if it's feasible for us to include)

Minds Behind Haprow



M. Ali Abbas
CEO & Founder



Jahanzaib rafi
CTO



Habiba Rehman
Robotics Engineer



Mariyam Sheikh
AI/ML Engineer



Umer Noorani
Embedded Design Engineer

Contact

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