

DBT-BIRAC supported startup helps differently abled children learn

New Delhi, Feb 05: Lack of accessibility becomes a significant challenge for parents and caretakers attending to differently-abled children. Tactopus Learning Solutions Pvt. Ltd, a start-up supported by DBT-Biotechnology Industry Research Assistance Council (DBT-BIRAC) is enabling inclusive early learning experience for differently-abled children.



This venture creates innovative application-based education material assisted by an interactive audio companion for children with disabilities. This Bengaluru based company creates interactive tactile graphics and tangible learning solutions through an array of books and cards, emphasising on concepts such as geography, numbers, and rhymes.

The Start-up works on building inclusive learning environments both at school and at home by creating multisensory tech-learning aids which can be used by all children including those with cognitive disabilities as well as providing families online access to special educators and speech therapists from the comfort of their homes.

There are two main modules of Tactopus learning solutions: Tactopus Learning Aids: Audio- tactile learning products for children with vision loss and blindness &

Tactopus Connect, which is an online special education and therapy programme for children with special needs.

The Learning aids are priced at Rs. 600-2500 per unit and till now 1000 + units have been sold. Twelve products have been created, available with interactive audio in 5 different vernacular languages.

Tactopus Connect is a personalised intervention service for children aged between three and 12 with developmental delays or disabilities. It connects their parents to the right resources, hand-picked special educators, both specialists and learning materials, enabling them to track progress along with their individualised growth plans, all virtually. For the connect, each session is priced at approx. Rs. 650 – 800.

The edtech start-up designs tactile graphics and tangible learning solutions. It includes flashcards in braille and tactile graphics, and tactile storybooks, which is complemented by a mobile application to make them interactive using advanced image processing and augmented reality technologies. Initially the products were only designed for visually impaired children. The start-up now caters to children with conditions like cerebral palsy, autism spectrum disorder, hearing impairment, speech and language disability, and cognitive disability too.

Till now, this start-up has hosted more than 200 online classes to take learning directly to homes, and aims to impact over 1 lakh children in the next 5 years. The targeted region is primarily India. However, the products are also exported across Singapore, USA, UK, and Malaysia.

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