



# HIVE

## *Highlights & Insights from Vision Empower (VE)*

MONTHLY NEWSLETTER, EDITION 5

“We never thought numeracy concepts can be taught to children using Braille card games”, said teachers of the National Association for the Blind (NAB), Haldwani after attending the teacher training VE conducted.

Dear Readers,

We are elated to share with you the buzz at VE in the month of May. Let's learn how to play the Equation game, know what went down at the Teacher Training we conducted, acquire the knowledge about an accessible app and so much more.

Enjoy reading this edition of HIVE 2022!



Graphic Description- A schoolboy wearing black glasses is walking with a cane in his left hand. He is carrying a school bag and holding two books in his right hand.



CT GAME SESSIONS  
CONDUCTED TILL MAY- 541

# Adnan's Favourite Game – Equations

## Project VICT

(Computational Thinking for the Visually-Impaired)

To introduce numeracy concepts and computational thinking to children with visual impairment, VE's Project VICT (Computational Thinking for Visually Impaired) follows a play-based approach. During, what we call, "CT Game Sessions" the VE educational coordinators play games that are curated to learn CT concepts with children with visual impairment.



[LISTEN TO  
ADNAN!](#)

Let's hear what our little friend Adnan has to say about his favourite game.

How is it played? Children/Players are given 3 braille playing cards each. The objective of the game is to be the first to make an equation using the cards.

Players then take turns discarding the card they do not require while drawing a card from the draw pile in the centre to make an equation. Players use different mathematical operations such as addition, and multiplication to make an equation. For example: 3, 6, 9 makes an equation  $6+3 = 9$ ,  $9-3= 6$ ,  $9-6=3$ . In a more challenging version of the game, the player who makes maximum equations wins the game!

## Trained to Teach (Pragya Teacher Training at Haldwani)

ONE ON ONE PRAGYA- 64  
WHOLE GROUP PRAGYA- 18

"We never thought numeracy concepts can be taught to children using Braille card games", said teachers of the National Association for the Blind (NAB), Haldwani after attending the teacher training.

Vision Empower conducted a Pragya Teacher training at NAB Haldwani, Uttarakhand on 23rd and 24th May 2022. Attended by 16 teachers, both sighted and visually impaired, the training focused on introducing them to interesting yet accessible ways maths, science and computational thinking can be taught to children with visual impairment.

The teachers played various CT games, learnt to use Subodha as well as individually tried reading from the Electronic Braille Reader-Hexis. They were also made familiar with VE's Teaching Aids like Teacher Instruction Kits (TIKs), Tactile Diagrams, Braille Books, etc.

Tap the link to know more about the interesting sessions we conducted with the teachers!

[READ MORE ABOUT  
THE TRAINING](#)





## Work with Partners (VE collaborates with NAB Haldwani)

Vision Empower is glad to join hands with National Association for the Blind, Haldwani!

The National Association for the Blind, located in Haldwani, is a non-profit organisation established in 2003 that works primarily for those with disabilities. Through this partnership, VE would be implementing Project VICT in NAB Haldwani by providing them with game kits & conducting CT play sessions with teachers and children regularly.

Apart from this, VE would also be providing Teaching Aids & Learning Materials such as Teacher Instruction Kits, Science and Math Models, Tactiles Diagrams, Braille books, etc to make teaching and learning STEM accessible for both the teachers as well as students with visual impairment.

Teachers will receive training to create and upload learning materials like stories, class notes, etc. on the Antara platform which the students would be able to access using the Hexis Braille Device. Through this partnership, VE aims to also train children in using Hexis.

VE is excited to see Inclusive Education spreading widely through this collaboration!



### *VE Achievements & Highlights*

➤ Vidhya Y shares about 'The Need For Making STEM Accessible for People With Disability' in a panel discussion conducted by WSIS Forum 2022

[READ ABOUT THE  
WSIS PANEL](#)

➤ Your Story features VEs co-founder Vidhya Y's story and the work VE does.

[YOUR STORY  
FEATURE](#)

AUDIO TUTORIALS  
CREATED- 115

# VE Recommends

(Voice Dream Reader)



Did you know 'Voice Dream Reader' is an accessible reading app? People with visual impairment, dyslexia, ADHD, and other reading challenges can listen to PDF documents, Web articles, and eBooks using text-to-speech. One can also organize files by reading lists, read/unread, etc for convenience. What makes it even more accessible is that it is available for both Android and iOS operating systems!

[KNOW MORE ABOUT  
VOICE DREAM READER](#)



## Social Media Highlights

VE volunteer sharing his experience!

Sandeepkumar Satpal is a Principal Software Engineering Manager at Microsoft. He decided to volunteer at VE last year as part of the Microsoft Disability ERG India. Through his work at VE, Sandeepkumar helped build tools which provide offline translation of English documents into regional languages using Phrase mapping. This has helped VE expand its ecosystem of Inclusive Education.

Hear Sandeepkumar sharing his volunteering experience!

[HEAR FROM  
SANDEEPKUMAR](#)

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