



The 16th NCPEDP-Mphasis Universal Design Award 2025

NEW HORIZONS

September 2025



Dear Readers, The third quarter of 2025 has been a season of growth, recognition, and impact for us at Raised Lines Foundation. From awards to new assistive technology launches, teacher trainings, and large-scale school outreach, our commitment to inclusive education has reached new heights.

RLF Recognised as a Role Model Organisation

We are thrilled to share that RLF has been honoured with the **16th NCPEDP-Mphasis Universal Design Award 2025 under the Role Model Organisation category**.

This award celebrates our continuous work in making education inclusive and accessible for learners with visual impairments through innovative tactile diagram books, inclusive STEAM learning materials, and assistive teaching tools.

RLF extends heartfelt gratitude to NCPEDP, Mphasis, and the jury members for recognising our efforts in transforming the lives of students.

What's in this Newsletter:

- RLF Recognized at NCPEDP-Mphasis Universal Design Awards 2025
- KSRTC & BMTC Launch Accessible Transport Solutions
- Touch, Learn and Shine with Vision Aid
- Teacher Training Workshop – Jodhpur
- Follow-Up & Feedback Sessions – Delhi Schools
- APF Project – Tactile Science & Maths Diagrams
- Bajaj Finserv Project – Tactile Science & Maths Diagrams
- In Celestial Company Exhibition – MAP Bengaluru
- Guide for Promoting Oral Health (Hindi) – Braille & Tactile
- Tactile Maps – Map of China & Himachal Pradesh

Accessibility on Wheels: 'On Board' Device Launch

A major leap forward for inclusive public transport!

This quarter, both the **Bangalore Metropolitan Transport Corporation** (BMTC) and the **Karnataka State Road Transport Corporation** (KSRTC) have embraced accessibility by launching audio-enabled 'OnBoard' devices developed by IIT Delhi and disseminated by the Raised Lines Foundation in partnership with **KritiKal Solutions Pvt. Ltd.** In Bengaluru, the project is supported by BMTC, sponsored by **Continental India**, and is being carried out in collaboration with **Enable India**. In Mysuru, the project is supported by KSRTC and sponsored by **GIZ** and carried out in collaboration with **SVYM**.

Key features of OnBoard include:

- Users can get information on the route numbers of buses arriving at the bus stop where he/she is standing.
- Users can get an audio cue for locating the entry door of the bus that may be of their interest, enabling unassisted boarding.
- Smart audio notifications for drivers and conductors when passengers with vision impairment board or alight.
- Awareness training for BMTC and KSRTC crews for sensitisation.



Images of OnBoard Device launch in Bengaluru



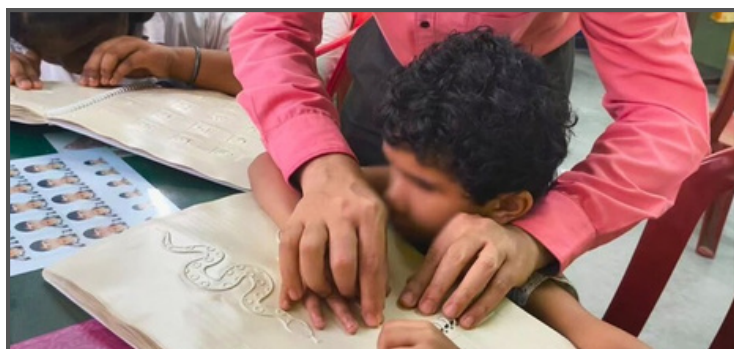
Images of OnBoard Navigations System launch in Mysore

Vision Aid Project -Touch, Learn & Shine

Schools covered between July to September

Name of School	No. of Books Provided	No. of Students Trained	No. of Teachers Trained
NAB, Raipur	374	87	8
Saksham Divyang Awasi Vidyalya, Rajim	118	30	8
Gyandeep Sparsh Kanya Vidyalya, Bilaspur	186	45	5
Calcutta Blind School, Kolkata,	259	60	6
Rama Krishna Vivekananda School, Kolkata	61	14	31
Nayandeep Vidyamandir,Bhilai	83	24	3
Lighthouse Blind School, Kolkata,	308	77	8
Total	1389	337	69

Under our partnership with Vision Aid India, we continue to empower special schools for the blind across Chhattisgarh and West Bengal. This quarter, over **300** students and **69** teachers were trained, and **1,350** tactile books were distributed to make learning in science, geography, and mathematics more accessible. In West Bengal, the initiative was conducted with the help of **Vision Empower** professionals,



Images of Training sessions from the schools covered in TLS Program

Saksham Initiative Program - Sponsored by Bajaj Finserv

Under this initiative, curriculum-based tactile books were provided to students of 2 schools in Pune and Nagpur, Maharashtra.

Pune: 38 students were covered

The **Patashibai Ratanchand Manavkalyan Trust Blind School** in Bhosari and the **NFBM Jagriti School for Blind Girls** were provided with a total of 167 tactile STEM modules. On July 10th and 11th, 2025,

Nagpur: 44 students were covered

The **Dnyanjyoti Niwasi Andh Vidyalay, Nagalwadi** – 26th Sept 2025 | 117 students & 8 teachers trained

Blind Relief Association, Nagpur – 27th Sept 2025

These sessions strengthened the implementation of inclusive education and tactile learning across the region.



Images of Training sessions from the schools covered in Maharashtra

Delhi-Feedback & Follow-Up Sessions

RLF conducted two follow-up sessions to support teachers and students in effectively using tactile learning materials.

Rashtriya Virjananda Andh Kanya Sr. Sec. School - 9th Sept 2025 | 36 students, 5 teachers

Akhil Bhartiya Netrahin Sangh School. 1st Sept 2025 |

These sessions helped address classroom challenges and strengthen the use of accessible resources.



Images of Feedback & Follow up sessions in Delhi

Teacher Training Workshop in Jodhpur

Under the HCL Foundation Project, the Raised Lines Foundation conducted a **two-day teacher training workshop on 11–12 September 2025 at the Government Blind School, Jodhpur, Rajasthan.**

Over 34 teachers and special educators explored tactile learning tools, including 3D pens, Swell Machines, and RLF's tactile books. Through hands-on and blindfolded activities, participants gained new insights into how students with visual impairments learn through touch.

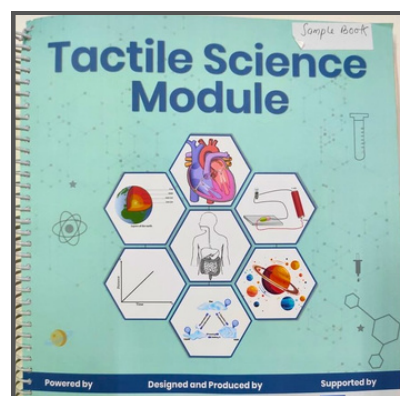
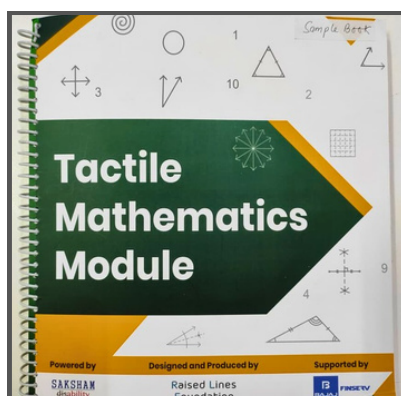
The sessions were highly appreciated for their practical approach and innovative teaching methods, empowering educators to make classrooms more inclusive and engaging.



Images of Teacher Training Workshop in Jodhpur

Customized Science & Mathematics Module

Under **collaborations with the Azim Premji Foundation & Bajaj Finserv**, RLF developed comprehensive sets of tactile diagrams for Science and Mathematics (Classes 6–9). These resources are designed to enhance experiential learning and make STEM education accessible to students with visual impairment across different educational boards. Each module includes over 40+ tactile diagrams covering key topics such as Geometry, Electricity, the Human Body, Motion, the Solar System, and Matter in Our Surroundings, among others. Each diagram is paired with Braille labels and QR codes linking to detailed textual descriptions.



Images of Customized Science & Mathematics Module

Accessible and Inclusive Art for all

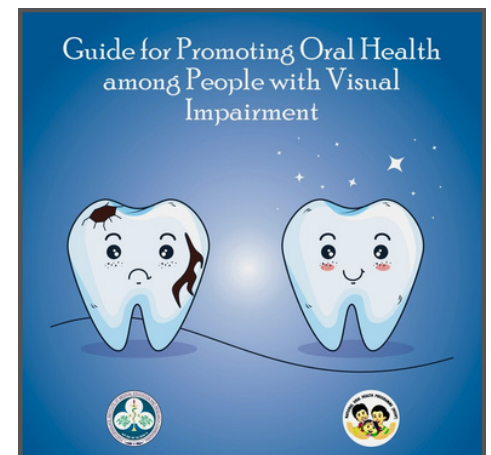
RLF developed **21 tactile artworks depicting sculptures, paintings, and art tickets** for MAP's "In Celestial Company" exhibition, highlighting mythological companions of gods and goddesses. Each piece included Braille descriptions and raised illustrations, printed using UV technology to ensure durability and detail.



Oral Health Tactile Book (Hindi)

An educational guide in Braille and tactile format, **promoting oral hygiene among visually impaired children**. The book includes interactive activities like quizzes, crosswords, and matching games, with 11 tactile figures and QR-based audio content.

Developed by: PGIMER, Chandigarh | Designed and Printed by: Raised Lines Foundation



Development of Tactile Maps

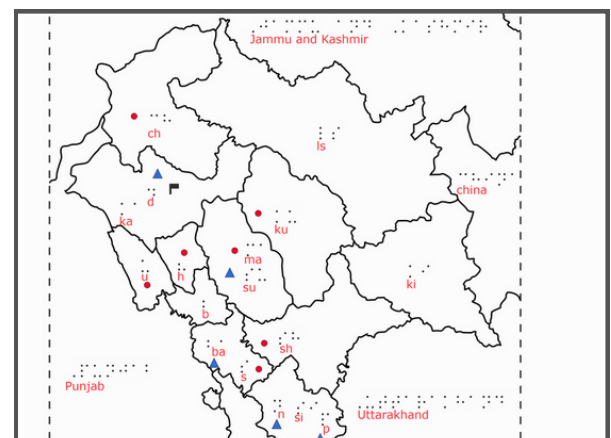
Two tactile maps were developed to promote inclusive geography learning:

Map of China (St. Stephen's College, Delhi): UV-printed, framed 18×12 inch tactile map highlighting major boundaries, water bodies, and cities—serving as both an educational and exhibition resource.

Map of Himachal Pradesh (Nagrota): Thermoformed tactile map showcasing terrain and district divisions, featured at an awareness event to highlight universal access to geographic education.



Tactile map of China



Tactile map of Himachal Pradesh (Nagrota)

Raised Lines Foundation (RLF)

RLF is a not for profit startup from IIT Delhi with the sole mission of empowering persons with visual impairment and enabling them to pursue subjects and careers of their choice.

What we do - Support education and independent mobility

- Design & produce **tactile books** covering all children's books to curriculum books.
- Convert handwritten, printed & digital **documents into accessible formats**.
- Manufacture **teaching-learning aids** & **educational accessible games**.
- Conduct **teacher training & student training programs** on the use of tactile learning aids.
- Special focus on content related to **STEM education**
- **OnBoard** - independent bus boarding solution for the visually impaired.

Connect with Us

If you know any person with visual impairment, or an organisation or school who may benefit from our solutions

or

If you want to support persons with visual impairment,
please connect with us:

rlf@raisedlines.org, [+91-8929669336](tel:+918929669336)

To know more about our work, please visit our website:

www.raisedlines.org

To donate for our cause

