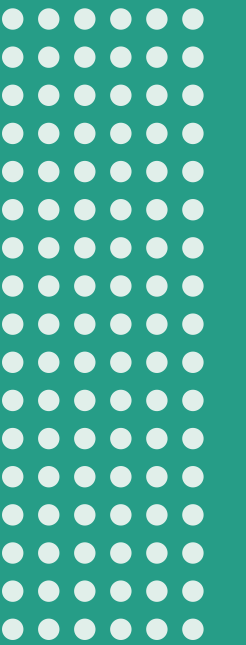




BOLTAY HUROOF

Breaking barriers with awareness and assistive technology.



BOLTAY HUROOF

بولتے
حروف

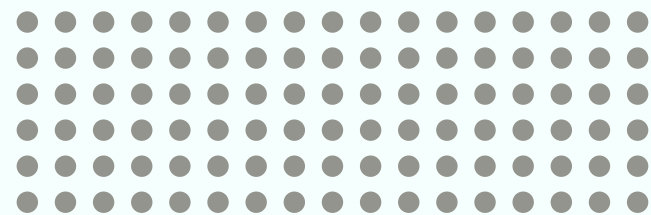
Launched with President of Pakistan and Governor State Bank in 2021, Boltay Huroof is Pakistan's first innovative Braille software organization that aims to provide accessible & inclusive materials for the visually impaired individuals.

UNICEF Award-Winner

Prime Minister's National
Innovation Award Winner

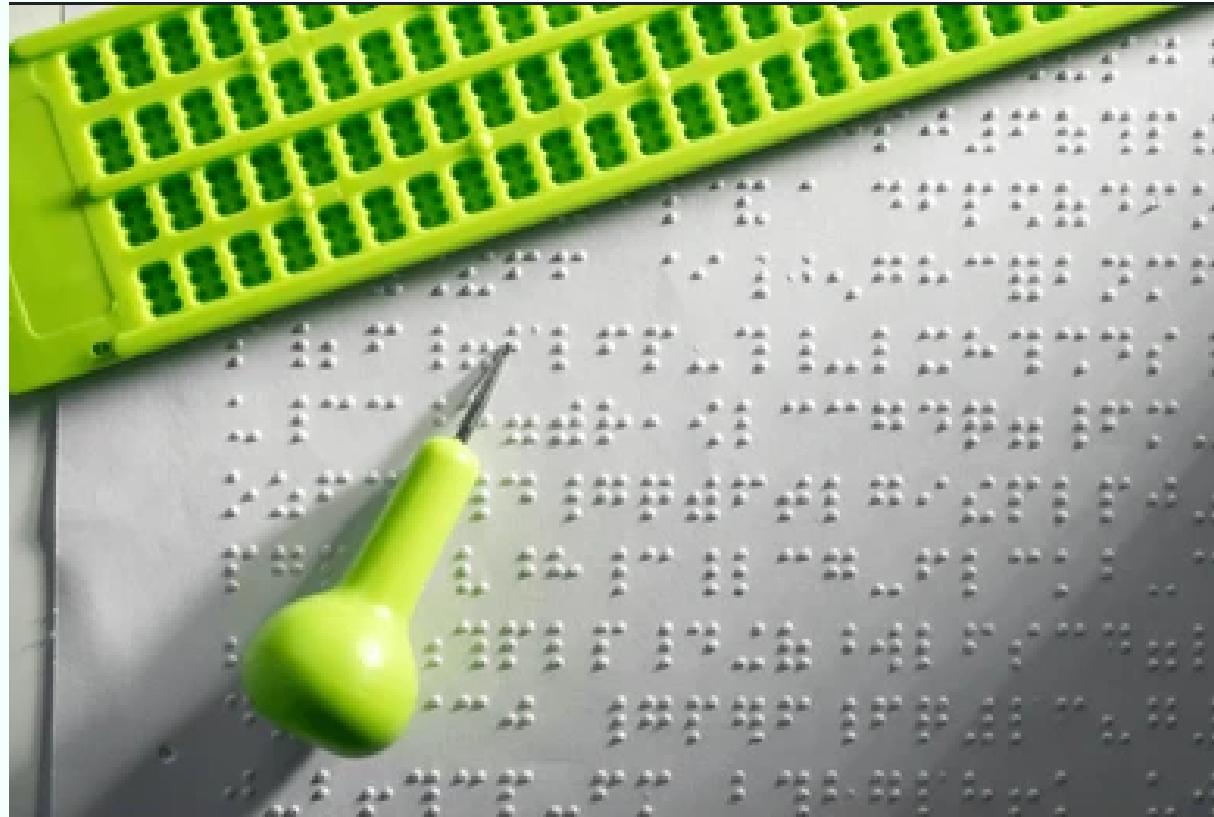
PASHA ICT Award Winner

Shell Tameer Award Winner



Our Mission is to empower the visually impaired community by fostering inclusivity, accessibility, and independence through innovative technology.

WHATS OUR STORY?



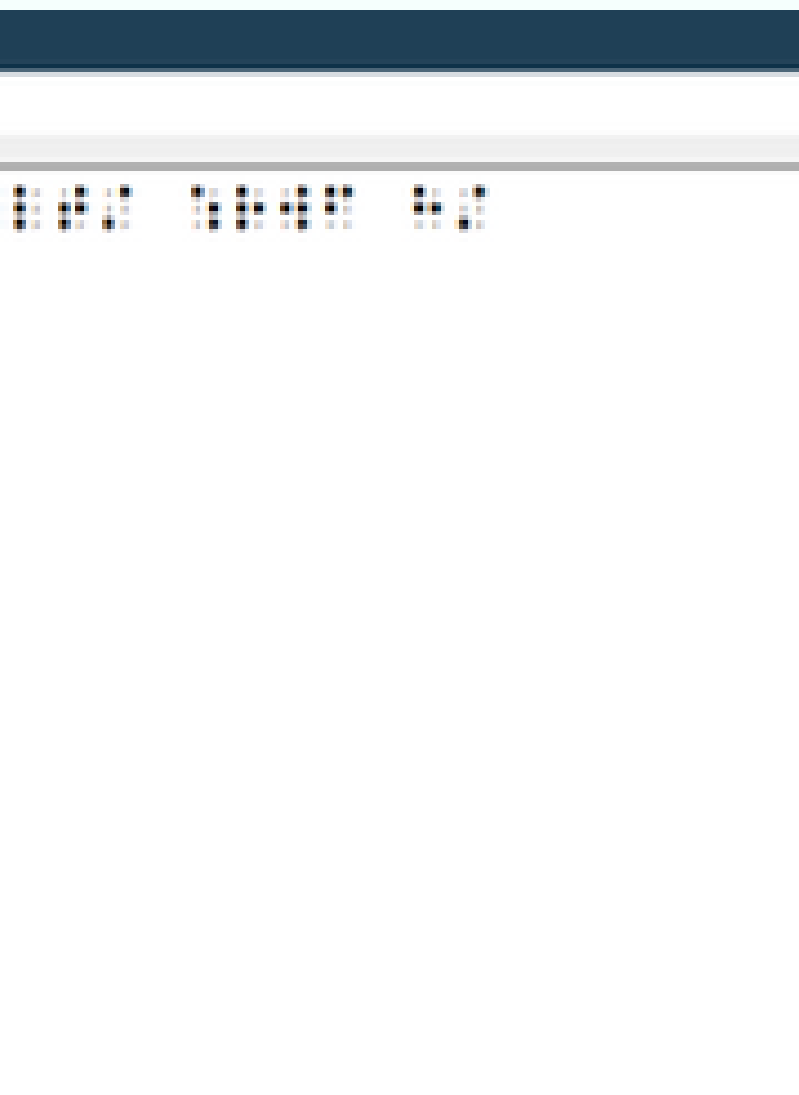
The idea for Boltay Huroof began with a powerful and emotional moment. We witnessed a visually impaired child painstakingly using a pointed pin-like tool and stencil to manually create documents in Braille.

This process was not only painfully slow—it was also physically harmful. The sharp tool often caused injury, and the time and effort required meant that even basic writing tasks became overwhelming. We knew there had to be a better, safer, and more empowering way.



with a single goal: to c
y to the lives of visual

- a software that tran
- and access to inform



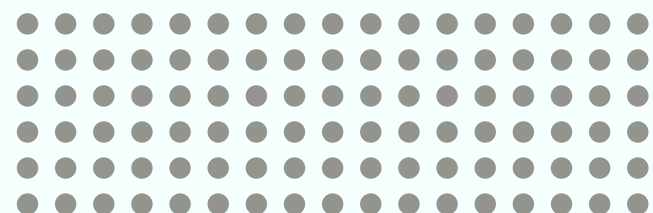
WHATS OUR STORY?

BUT!!!

as we progressed, we encountered another critical challenge:

The documents we produced were readable by visually impaired users—but not by sighted individuals. The communication gap still existed.

To bridge this divide, we developed a new technology—**Inclusive Documents**—for the first time in Pakistan. These documents combine ink print, Braille, tactile graphics, and even color, making them accessible to both sighted and visually impaired people on the same page.



*Boltay
Huroof
Output*

SAMPLE DOCUMENT

Deposit Slip

برولے خروب

Date _____ Branch _____

Account Type _____ Current ☐ Saving ☐

Account Title _____

Account Number _____

Bank	Branch	Cheque No.	Amount

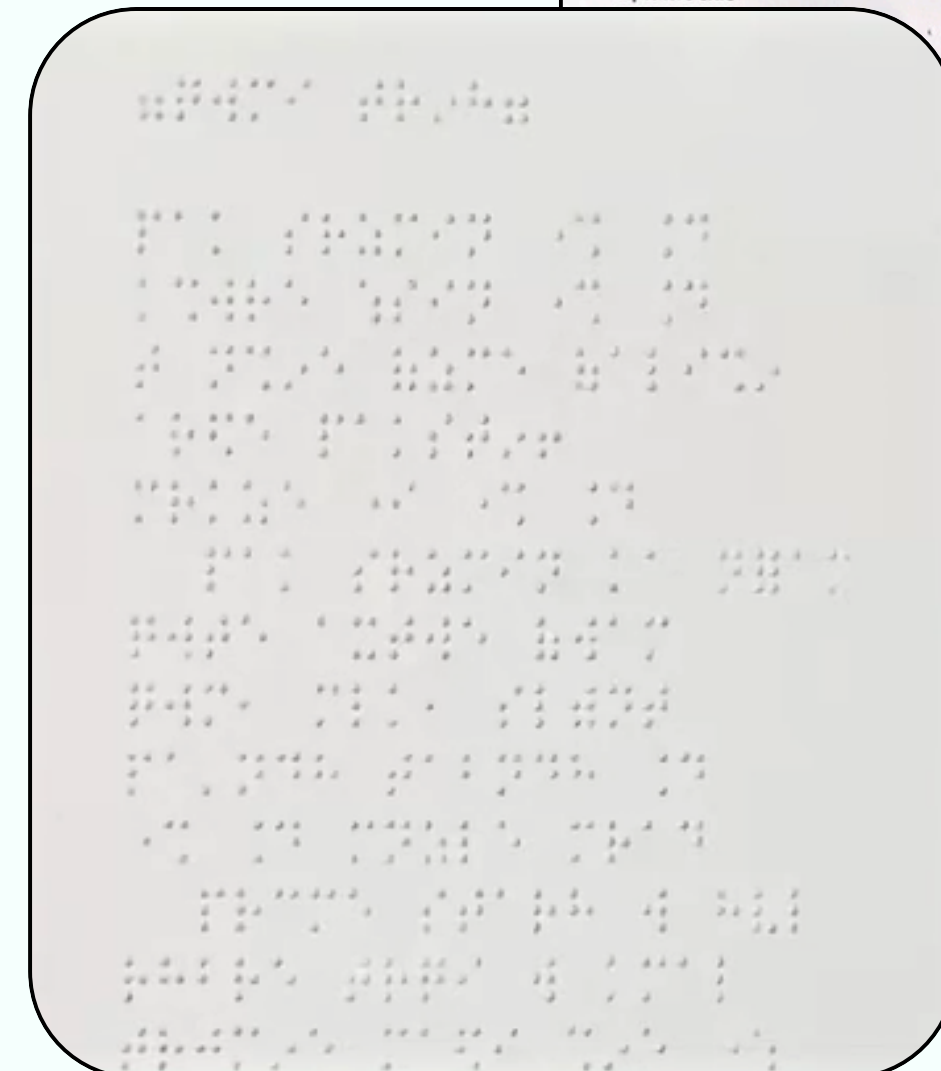
Total Amount _____

Amount in Words _____

Depositor's Name _____

Depositor's CNIC _____

*Conventional
Braille Output*





CHALLENGES FOR PEOPLE WITH VISUAL IMPAIRMENT

- 1** Accessibility:
 - Limited availability of inclusive textbooks in accessible formats such as Braille or large print.
 - Difficulty in accessing educational content that aligns with standard curriculums.
- 2** Affordability:
 - High production costs associated with creating and distributing inclusive books.
 - Limited funding and resources for initiatives focused on inclusive educational materials.

PROBLEMS IN WHICH WE HELP

1. INACCESSIBLE EDUCATION
2. INACCESSIBLE BANKING MATERIAL
3. MOBILE AND WEB APPS
4. ATM MACHINES & ATM CARDS
5. PWDs HIRING
6. SKILLS TRAINING
7. SENSITIZATION TRAININGS





Certificate of Appreciation

Presented to acknowledge

Excellence in achieving an Inclusive Society

Sarwat Shah

Sarwat Shah
Founder

بولتے
حروف

Sadiq Ali Memon

Sadiq Ali Memon
Patron

This Inclusive Braille Certificate is courtesy of Boltay Huroof

Conventional Braille

- ONLY READABLE
BY BLIND

- EXPENSIVE

- SLOW
PRODUCTION

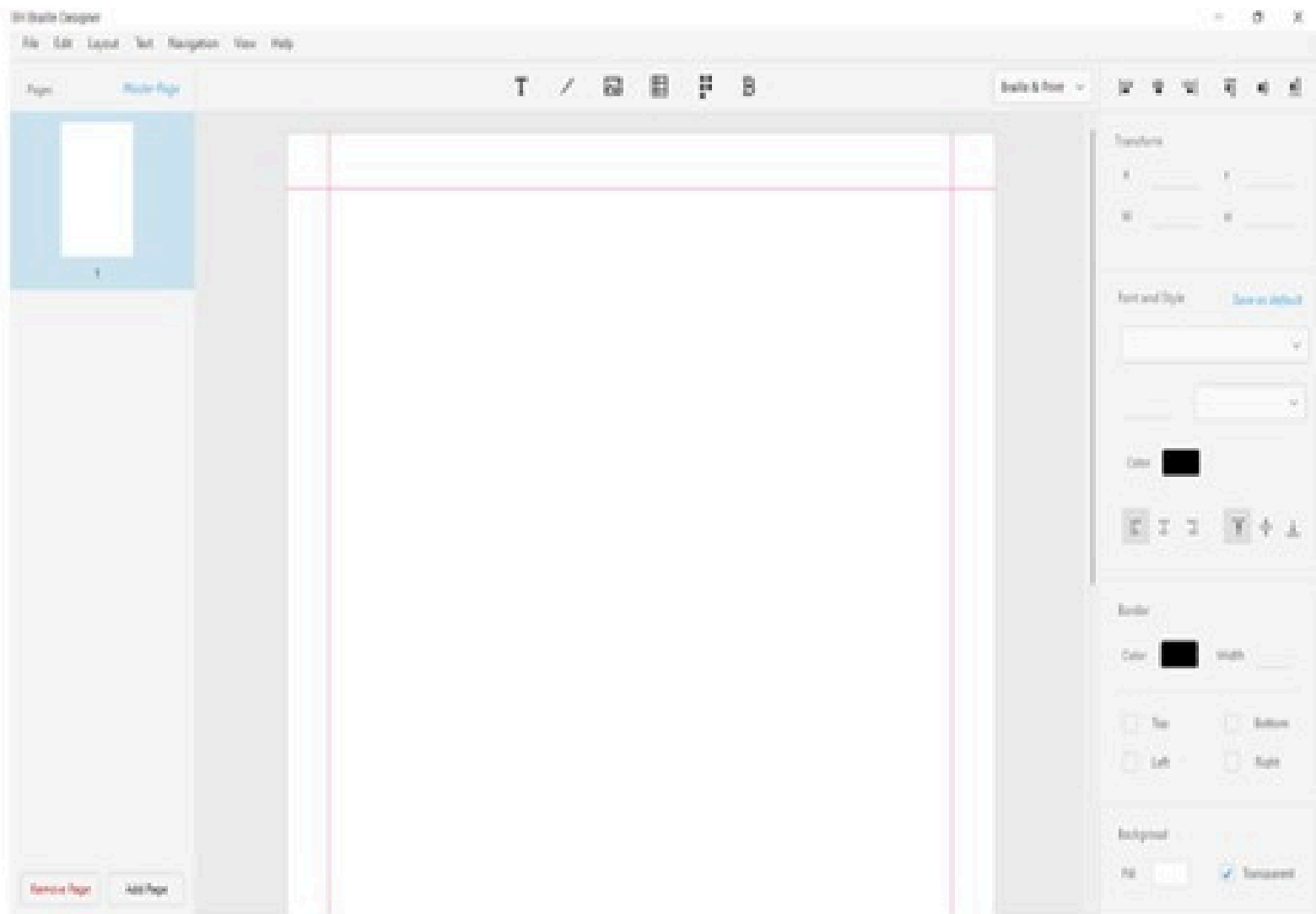
Boltay Huroof's Inclusive Braille

- INCLUSIVE AND
READABLE BY
BOTH

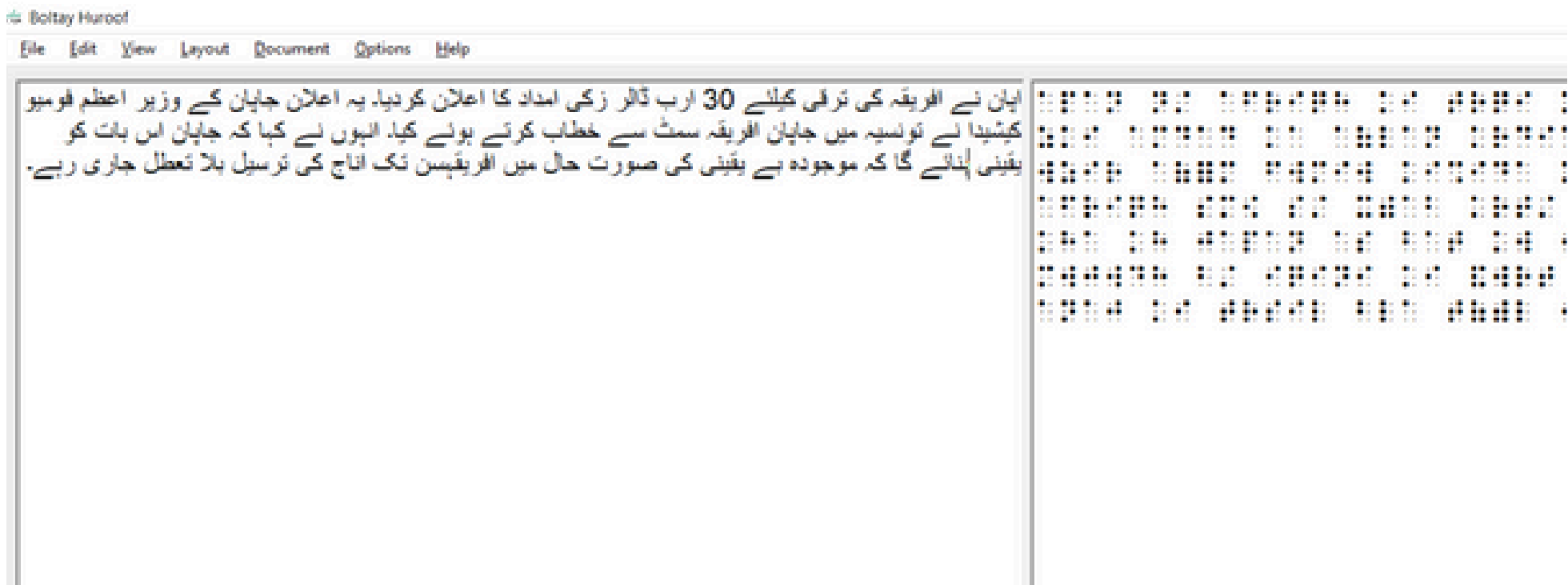
- AFFORDABLE

- EFFICIENT
PRODUCTION

SOFTWARE VISUALS

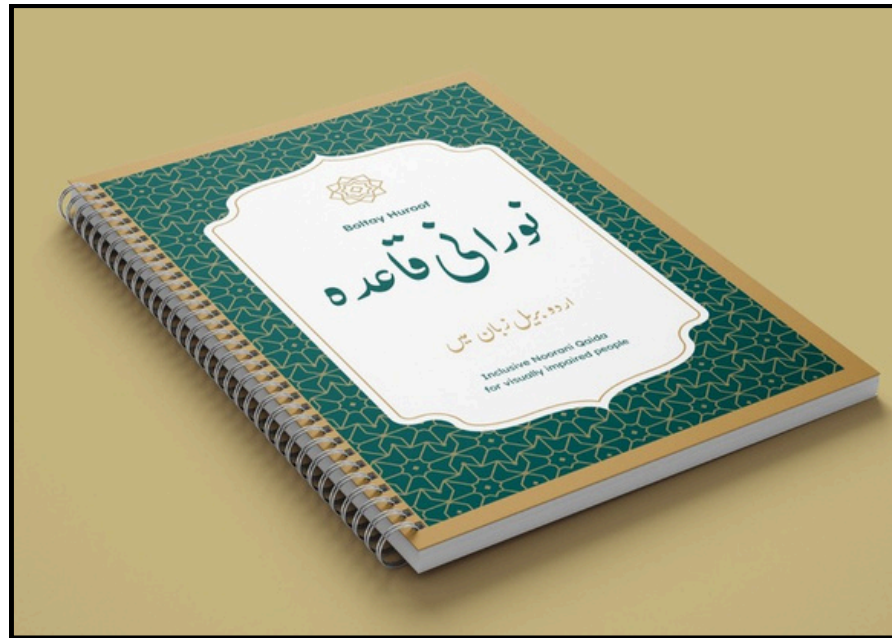


Braille Designer

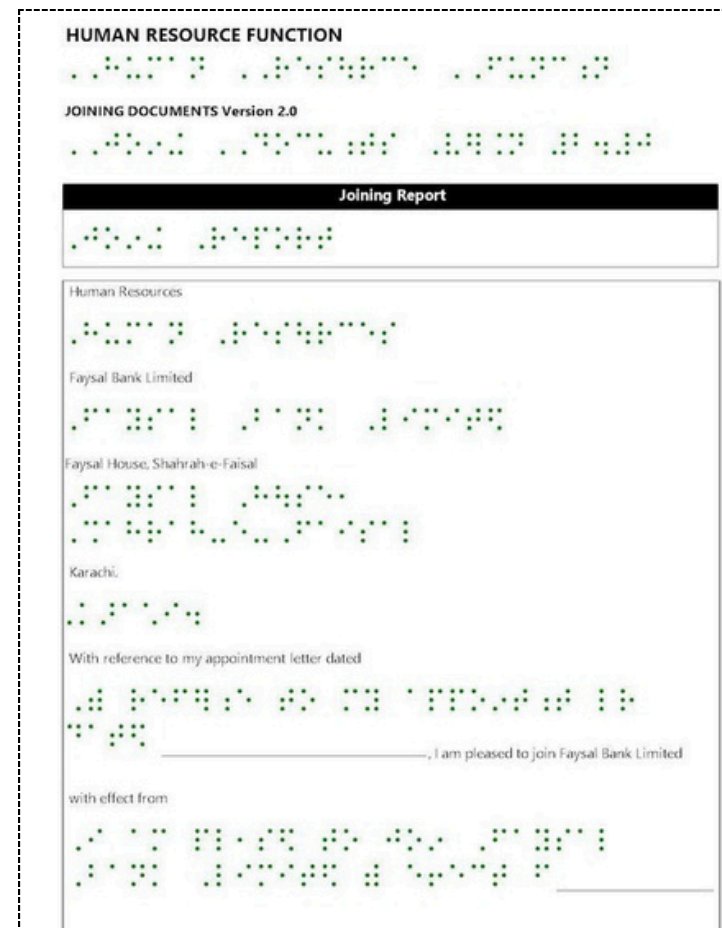


Braille Text Conversion

OUR PRODUCTS



Noorani Qaida



HR Documents

Deposit Slip

Date: _____ Branch: _____

Account Type: ☐ Current ☐ Saving

Account Title: _____

Account Number: _____

Bank	Branch	Cheque No.	Amount
Total Amount			

Amount in Words: _____

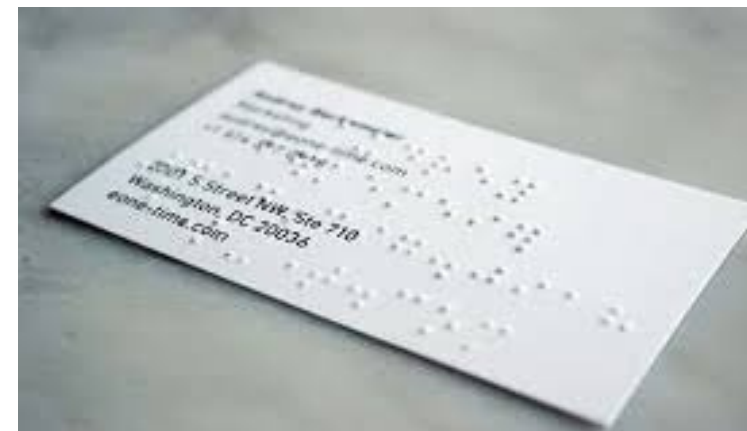
Depositor's Name: _____

Depositor's CNIC: _____

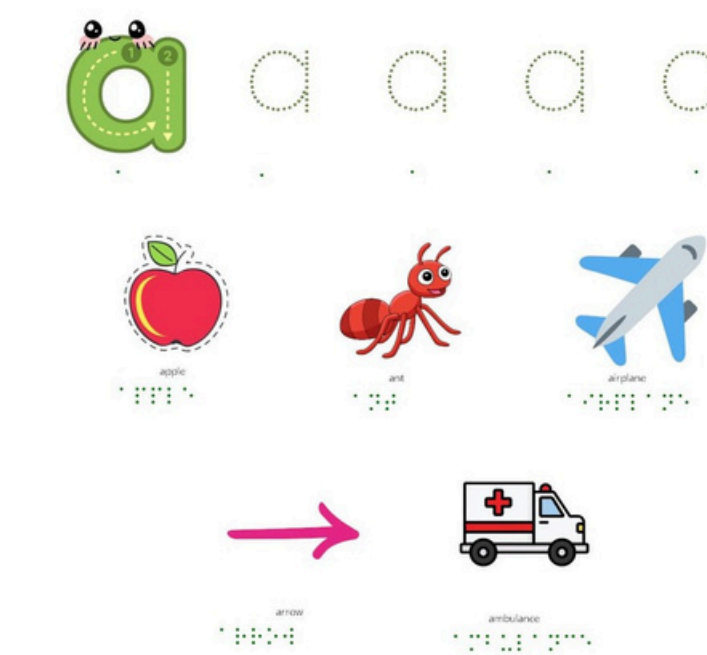
Depositor's Mobile: _____

Depositor's A/C: _____

Banking Documents



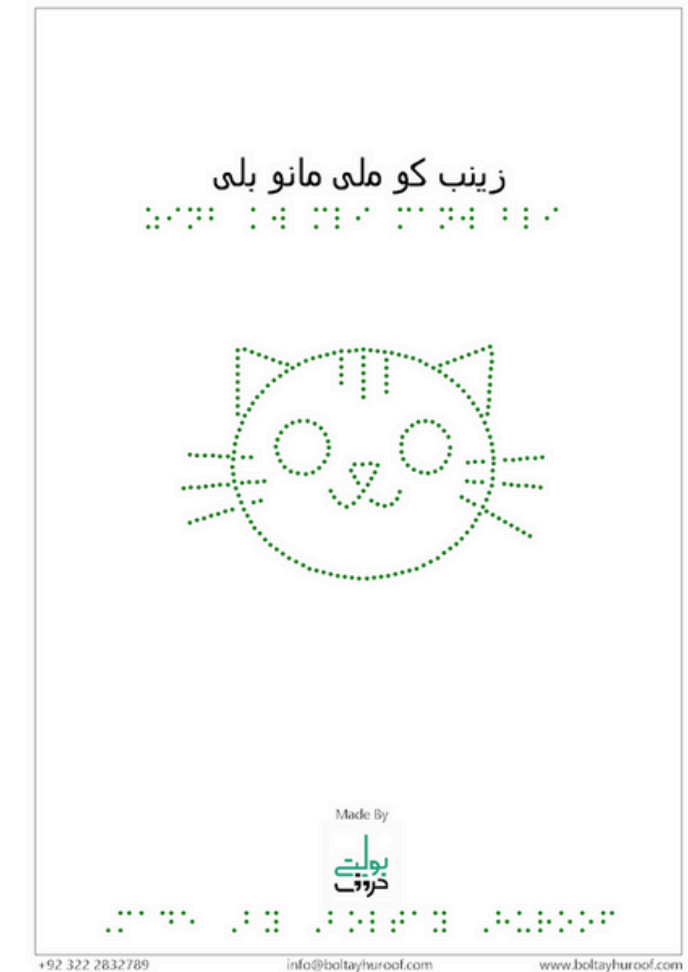
Contact Cards



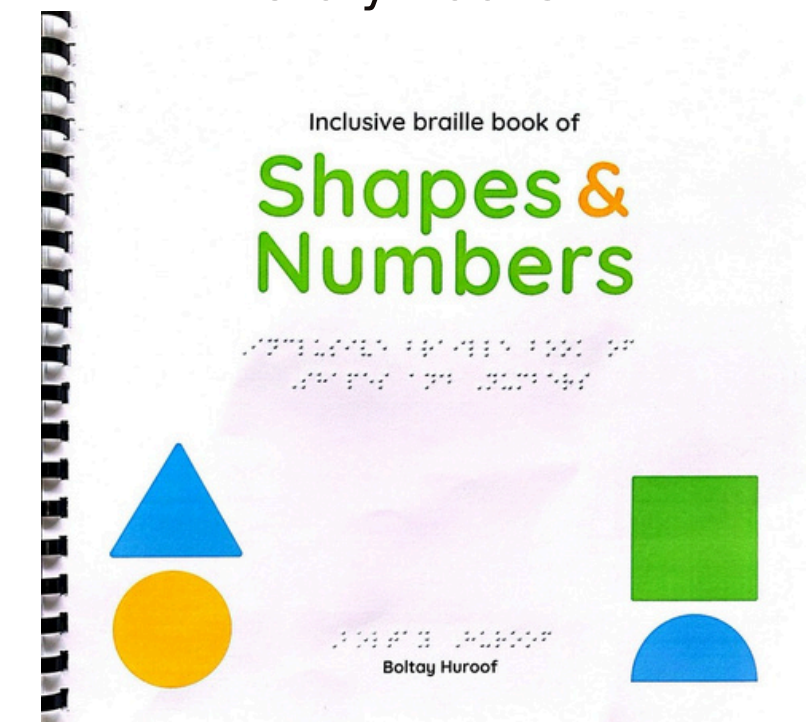
English Alphabets Book



Certificates

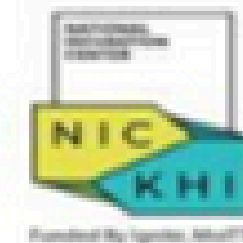
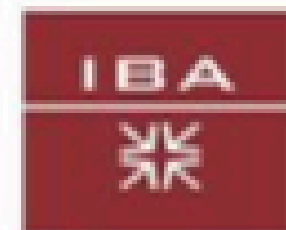
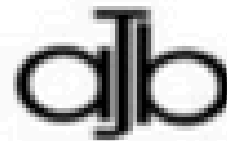


Story Books



Maths and Shapes Book

OUR CLIENTS & PARTNERS



AWARDS



SOME GLIMPSE OF OUR WORK FOR PWDS AND OUR SUCCESS STORIES.





LET'S ENLIGHTEN THE
LIVES OF THE
VISUALLY IMPAIRED
COMMUNITY AND
WORK TOWARDS A
MORE INCLUSIVE
WORLD!