NIEPMD

"SWACHHATA CAMPAIGN 2.0"

Azadi Ka Amrit Mahotsav

स्वावलंबन Swavlamban

NIEPMD

National Institute for Empowerment of Persons with Multiple Disabilities (Divyangjan) (NIEPMD)

Dept of Empowerment of Persons with Disabilities (Divyangjan), Ministry of Social Justice & Empowerment, Govt. of India

**Recipt of National Award for
Best Accessible Website 2011 and Outstanding Work in Creation of
Barrier Free Environment For Persons with Disabilities - 2012**

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Holiday: Saturday, Sunday
&
All Central Govt. Holidays

Toll Free No: 1800 425 0345
Kiran Mental Health Helpline Toll Free No: 1800 599 0019

Special Campaign 2.0

Sanitation Needs for Persons with Multiple disabilities

Better Hygiene Leads to

- Better Health
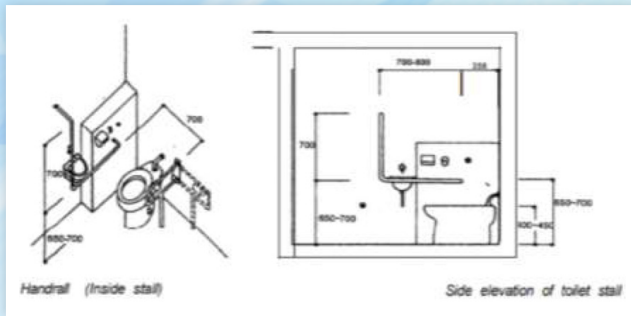- Confidence
- Overall Growth

Signage

LADIES TOILET

Mirror

- Common Accessible Range 900mm - 1900mm

- Alpha Neumerical Tactile Iconic Signage

Sanitation Needs for Persons with Multiple disabilities

Sketch

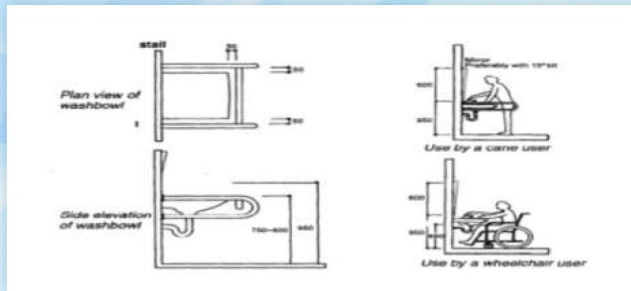Handrail (Inside stall)   Side elevation of toilet stall

Water Closet

- It Should have a Clear Dimension of 750mm from the Front Edge of the Water Closet to the Rear Wall to Facilitate Side Transfer.
- The Top of the Water Closet Seat Should be 450 to 480mm from the Floor.

Sanitation Needs for Persons with Multiple disabilities

Sketch

Water Basin

- A Clear Maneuvering Space of 1800mm x 1800mm in Front of the Water Closet and Wash Basin in the Accessible Toilet Unit.
- A Mirror Installed in a way to have the Bottom Edge at a Height of not more than 1000mm from the Floor.
- Wash Basin with "D" Bars.

Sanitation Needs for Persons with Multiple disabilities

Double Door

Single Door

Sliding Door

- The toilet door should be either an outward opening door or two-way opening door or a sliding type and should provide a clear opening width of at least 900mm.

- Be provided with a horizontal pull-bar, at least 600mm long, on the inside of the door, located so that it is 130mm from the hinged side of the door and at a height of 1000mm.
- Two Way Opening Door
- Sliding Door
- No threshold
- Pull Bar

Sanitation Needs for Persons with Multiple disabilities

Gradient:

- The Minimum gradient of a ramp should not be steeper than 1:12.
- Landings at every 5 meters of ramp run Friction of Tiles
- Friction of Tiles:
    Dry Area: 0.6 to 0.8
    Wet Area: 1.5 & Above

	National Institute for Empowerment of Persons with Multiple Disabilities (NIEPMD)	
	Abstract Tentative Estimate for Proposed Toilet for Disabled Persons	
Sl. No	Description of work	Amount in INR
1.	Contruction of Toilet Building (2.2m x 1.5m) - 3.30 Sqm	32,000.00
2.	Contruction of Soak Pit	3,500.00
3.	Accessible Housedhold Sanitation Facilities for Persons with Disabilities (WC, GRAB BAR, HAND RAILS,)	30,000.00
4.	Paining, Signages, Etc.,	4,000.00
	Total	69,500.00

Note

1.	The recommended dimensions of a disabled toilet room are; at least 2200mm deep x 1500mm wide.
2.	The Estimate amount may varies Based on the availability of Local Construction Material.
3.	Technical Specification as followed by the CPWD/TNPWD Manual.

Raised Toilet Seat

- **Individual Who Have Difficulty in sitting Down can use this Raised Toilet Seat**

Transfer Board

- **Helps individuals in Wheel Chair to Transfer to the Toilet**

Soap Cover

PERFECT FOR VARIOUS SIZES OF SOAP

- **Individuals Who have Difficulty in Handling Soap can use this Cover for Stability**

Foot Rest

- **Individual Who Have Difficulty in Seating in Western Toilet can use this Foot Rest.**

Low-cost Toilet Seat

- **Available in Local Market**

Modify Soap Dispenser
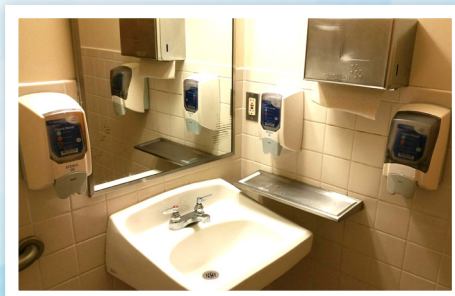
- **Individuals Who have Difficulty in Handling Soap can use this Modified Soap Dispenser**

Universal Cuff

- **Individual Who Have Difficulty in Holding Brush and other times can use this Universal**

Long Handle Mug

- **Individual Who Have Difficulty in Holding the Regular Mug can use this Long Handle Mug**

Reacher

- **Individuals Who have Difficulty in Reaching Objects can use this Reacher**

Tap Opener

- **Individual Who Have Difficulty in Opening Tap can use this Tap Opener for Support**

Home Made Low-cost commode

- **Individual Who are unable to use Indian Toilet can use this Low-cost Commode**

No Entrance Steps

- **Remove Entrance Steps for those who have difficulty with Crossing Steps**

Shower Seat

- **Individual Who Have Difficulty with Standing and Balance Problems can use Shower for Bathing**

Grab Bars

- **Individual Who Have Difficulty with Getting up can use the Grab Bars**

Long Handle Sponge

- **Individuals Who have Difficulty in Reaching the Back can use this long Handle Sponge**

Reachable Height of Cloth and Soap Holder
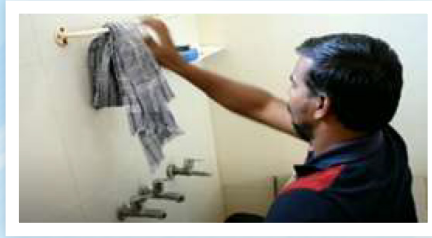
- **Individual in Wheelchair and those who have problems with reaching Heights should adjust the Height of Cloth and Soap Holders.**
- **Not more than 1200mm**

Reachable Height of Wash Basin

- **Individual in Wheel Chair and those have problems with reaching Heights should adjust the Wash Basin**

Long Handle Shower

- **Individual Who Have Difficulty with Reaching can use this Long Handle Shower**

Fold Down Seats

- **Individual Who are unable to Stand for a Long Time can use this Fold Down Seats for Support**

Slip Resistant Mat

- **Individual Who Have Difficulty in Maintaining Balance can use this Slip Resistance Mat**

Accessible Features for Persons with Intellectual Disabilites, Autism and Specific Learning Disability

Physical Environment

1. Simple and easy to follow
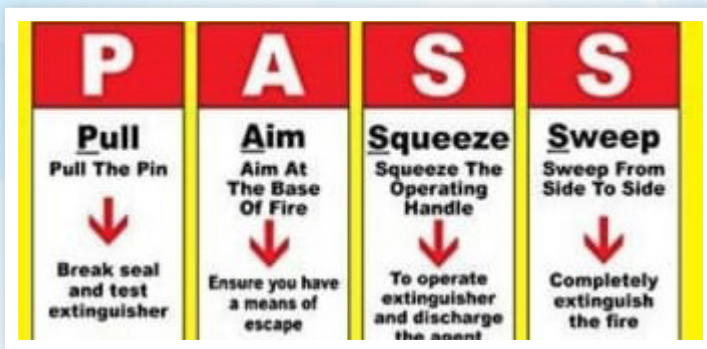
Short and accurate information

2. Depicted on map (You are here)

To represent or show something in a picture

3. Signage

Visually oriented information systems, consisting of signs, maps, arrows, color-codings systems, pictograms and different typographic elements

4. Floor markers

Floor markers are attached to the floor to convey a message, such as a cautionary warning

5. Audio-Video public announcements

(AVPAs) are a powerful tool for disseminating information and raising awareness to a large audience

6. Pictograms

Graphical symbol that conveys meaning through its visual resemblance to a physical object

7. Use of short sentence
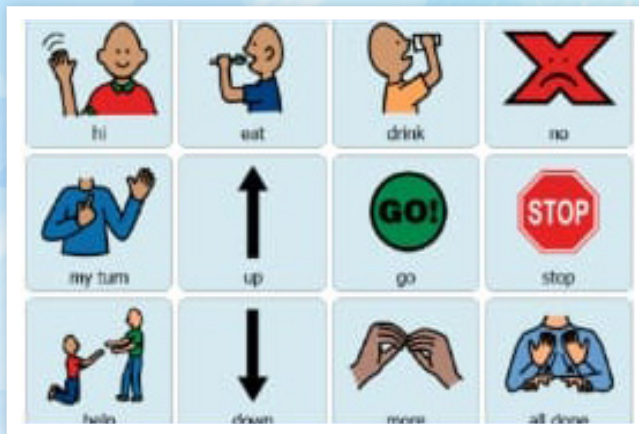
Easier processing, Reduced confusion, and Improved focus

8. Augmentative alternative communication
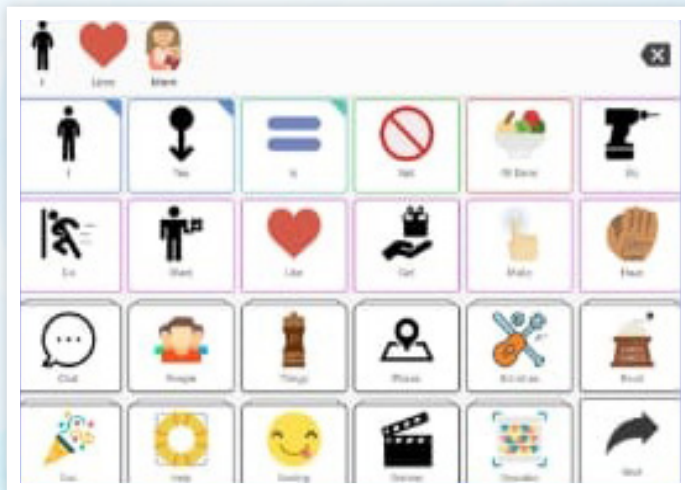
A wide range of strategies and tools that help people who have difficulty in speaking communicate effectively

Digital Environment

1. Heading and sub-heading
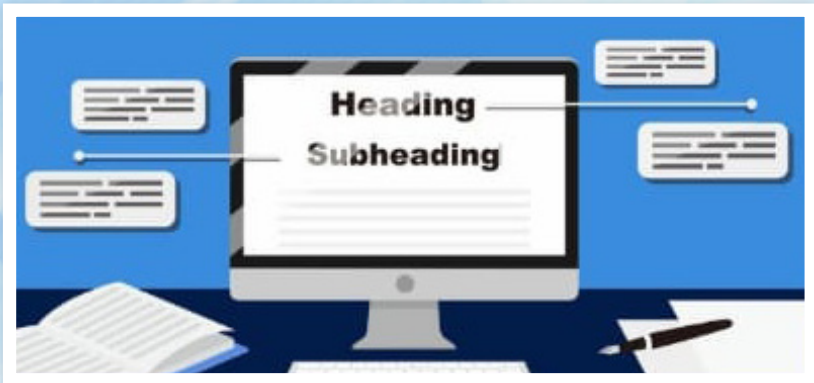
Help in organising information making it easier to understand and navigate

2. Clear background
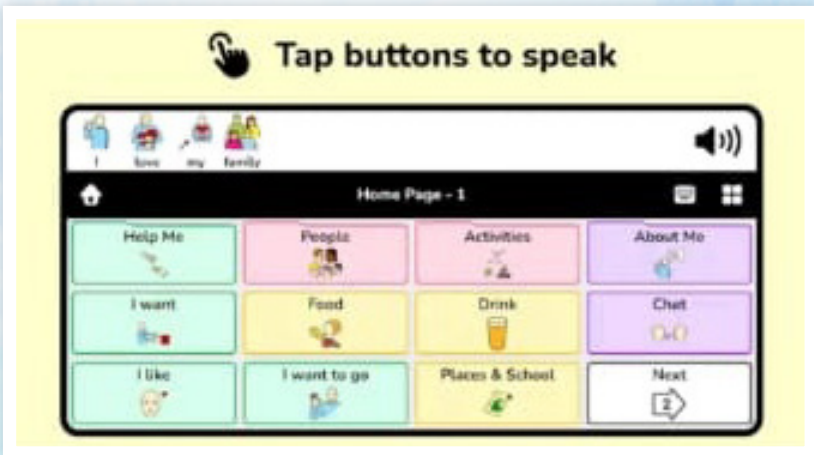
Reduces visual clutter Enhances readability and promotes a sense of calm

3. Screen reader
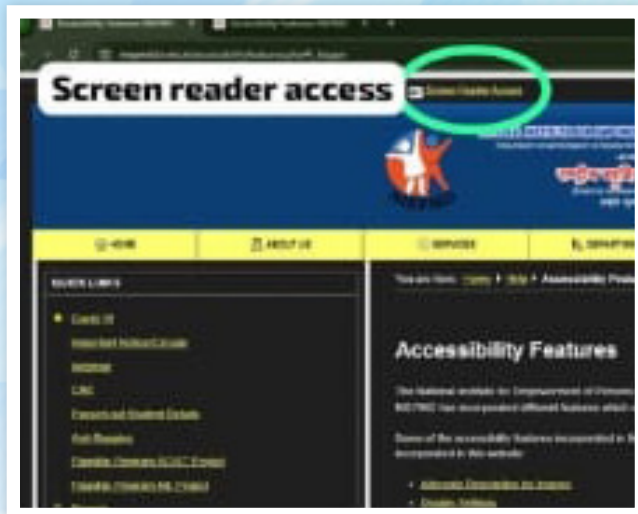
Improved, readability, Increase focus, and Emphasis Accessibility

4. Text Size
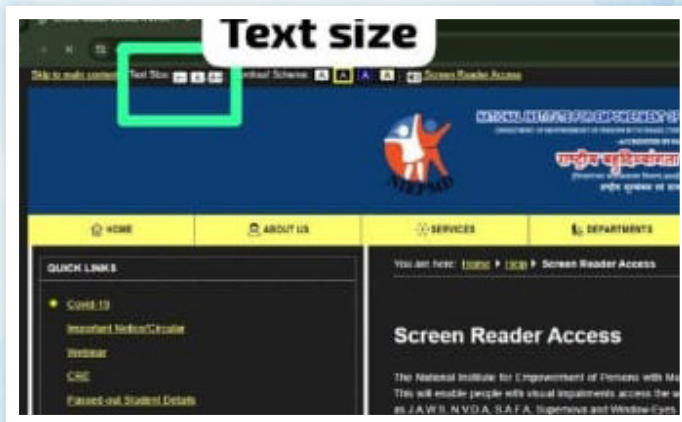
Improves readability and reduces strain on the eyes.

5. Color contrast
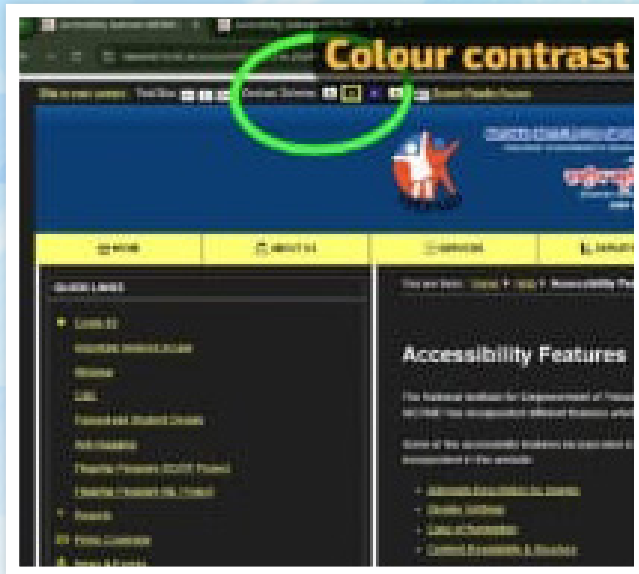
It's important for ensuring the readability and accessibility of text and visuals

Accessible Features for Persons with Visual Impairment

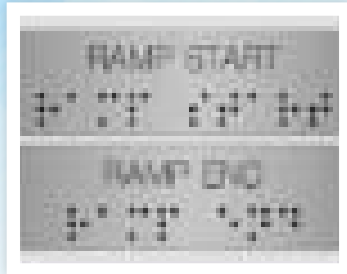## Physical Environment

TACTILE CUES

1. Braille

- A tactile writing system, consists of raised dots that are read by touching the dots with the fingertips
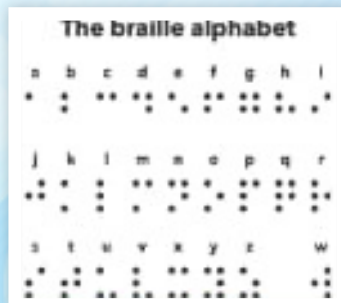
2. Tactile Markings

- Raised surfaces or markings that provide information through touch

3. Embossed Letters

- Letters or characters that are raised above the surface of a material to create 3-D effect

4. Tactile Layout

- An arrangement of raised surfaces and markings that allows people to navigate and understand their surroundings through touch

5. Tactile Pavers

- A type of pavement that features raised lines, domes, or other textures to provide essential cues to help people navigate footpaths safely and confidently

6. Knurled surface door handle

- Roughened area, in a crisscross pattern; used on doorknobs or grab bars. Door knobs - to provide tactile clues to visually impaired persons to indicate that passage leads to an area of danger.
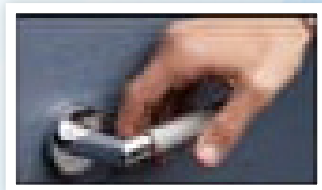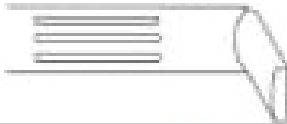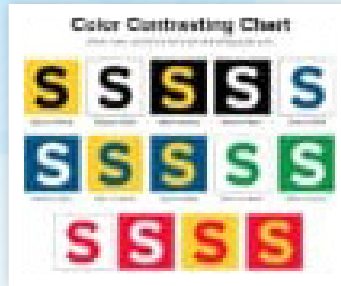

7. Slip resistant surface

- A flooring or walking surface designed to minimize the risk of slips, trips, and falls, particularly for those who may have difficulty seeing potential hazards or changes in surface texture

VISUAL CUES

1. Contrasting Colors

- Used to differentiate the figures from the background on the signboard

Color Contrasting Chart

2. Pictogram

- A symbol or image that represents an object or concept, used to convey information quickly and easily

3. Adequate illumination

- Uniform illumination of 200 lux along with adequate visual contrast is recommended for waiting spaces between seating, flooring and overall ambience of the enviroment

4. Alarm System with Light

- Designed to alert individuals of emergency situations using visual cues in addition to audible alarms
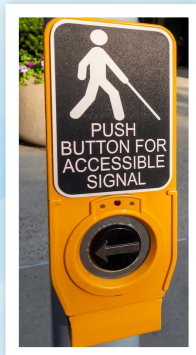

5. Magnifier

- Increasing the image size of an object using a lens

AUDITORY CUES

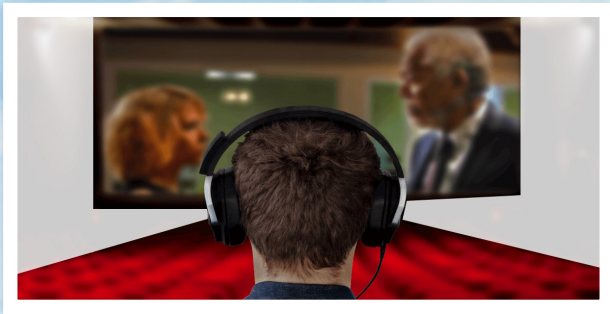## 1. Audible Pedestrian Signals

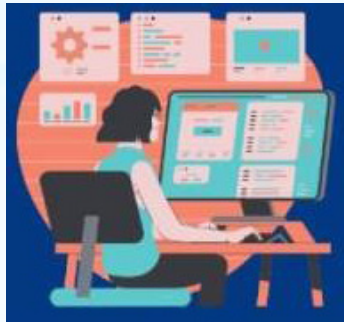- Provide auditory, visual, and vibrotactile information to pedestrians

2. Audio Description System

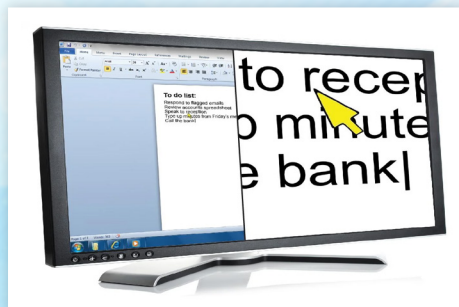- A separate audio track that describes visual content in a video for people who are unable to see it.

Digital Environment

1. Screen Magnifiers

- A software that magnifiers the screen and displays a portion of it enlarged
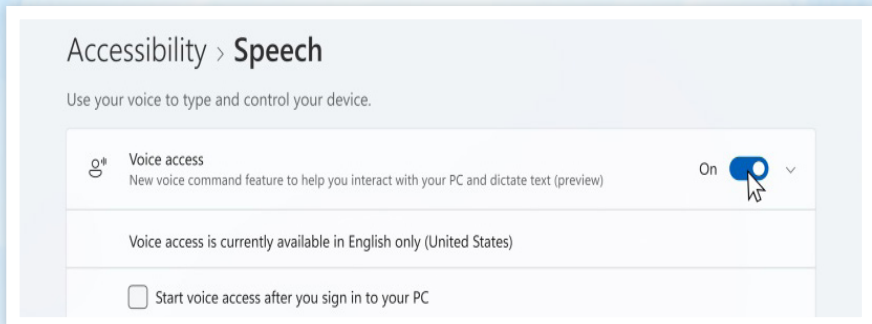
2. Screen Reader

• Converts text and other elements on the screen into speech

DEPWD 🔊 Screen Reader Access

ஒன்றுக்கும் மேற்பட்ட ஊனமுற்றோரின் மேம்பாட்டிற்கான தேசிய நிறுவனம்
राष्ट्रीय बहुदिव्यांगता जन सशक्तिकरण संस्थान
National Institute for Empowerment of Persons with Multiple Disabilities(Divyangjan)

3. Voice command software

• Allow to control and interact with the devices using spoken commands

Accessibility › **Speech**
Use your voice to type and control your device.

⥁⃰ Voice access
New voice command feature to help you interact with your PC and dictate text (preview)
On 🔵

Voice access is currently available in English only (United States)

☐ Start voice access after you sign in to your PC

4. Font adjustment

• Changes made to text size to ensure that people can read and understand the content more easily
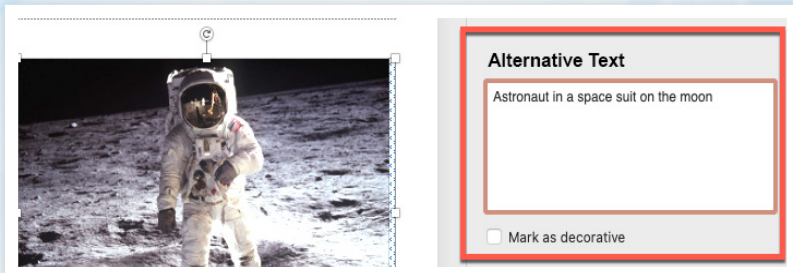

content | Text Size A- A A+

5. Keyboard Navigation

- Individuals can use a keyboard to navigate websites, apps, and digital interfaces effectively without relying on a mouse

6. Alternative text for images

- Provides a text description for images

7. Screen Contrast

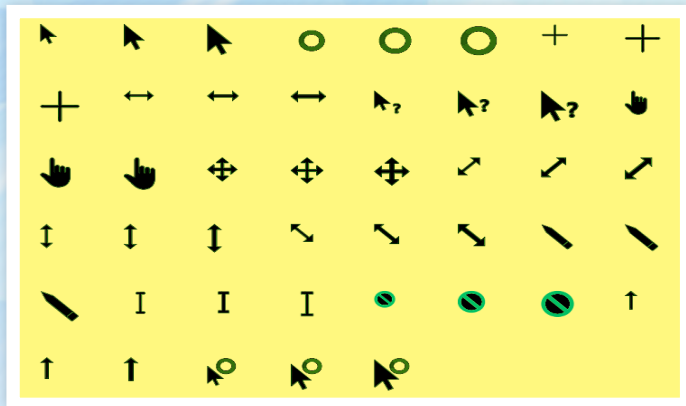- Involves adjusting the visual elements on a screen to improve readability and visibility

8. Customisable Cursor

- Provides options to adjust the appearance and behavior of the cursor to make it more visible and easier to use

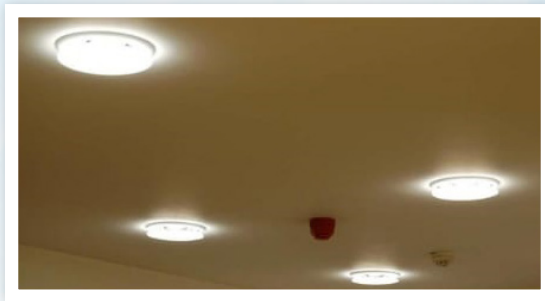# Accessible Features for Persons with Hearing Impairment

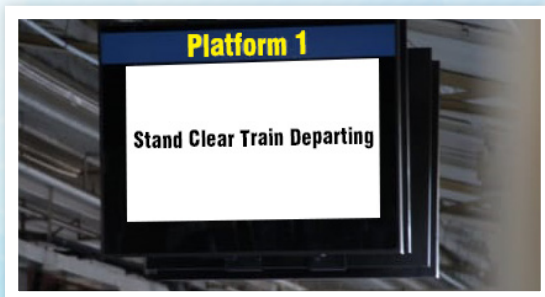## Physical Environment

1. Alerting Devices

Vibration
- Alert individuals through wearable devices such as wristbands in case of emergency

Flash light

- Flash beacons installed on the ceiling of building as a warning signal in case of fire or medical emergencies

2. Visual notifications for announcements

- Announcements made through visual notification in train stations

3. Signage

Directional Signage

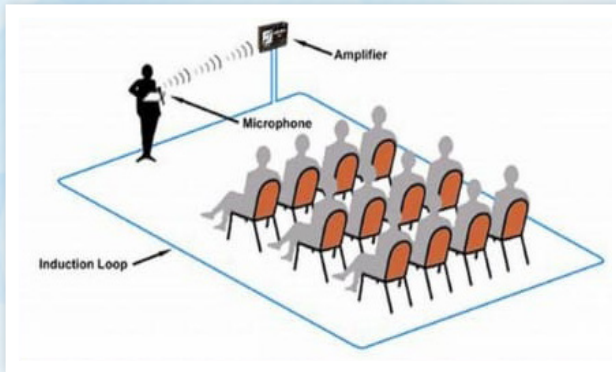**Instructive Signage**

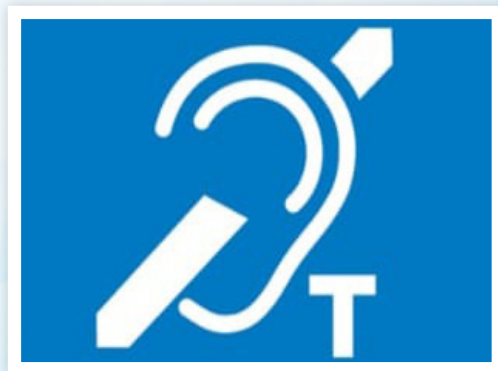**Safety and Emergency Exit Signage**

4. Illumination

- Preferably 100 to 300 lux

5. Assistive Listening System

Audio induction loop

- This system provides easy access to high quality audio by cutting out unwanted background noise
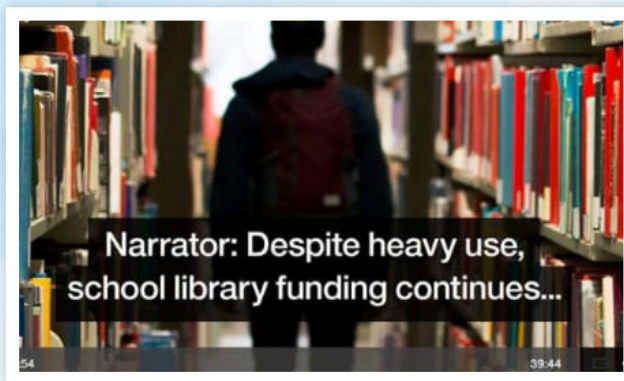

- The internationally recognised hearing loop sign indicating the presence of sound system that is compatible with hearing aid

Digital Environment

1. Loud and Clear Audio

2. Captions and Transcripts for Vidoes

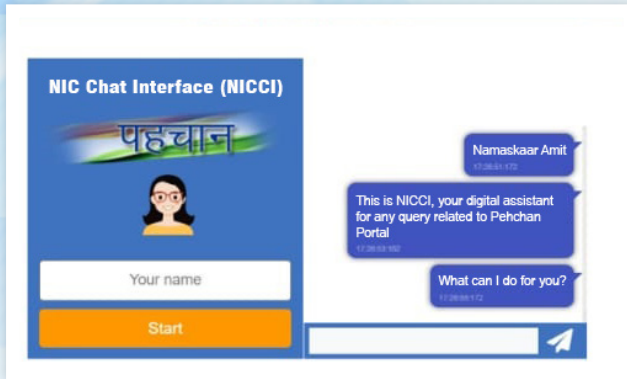- Videos showing text version of the audio presented in it

3. Sign Language

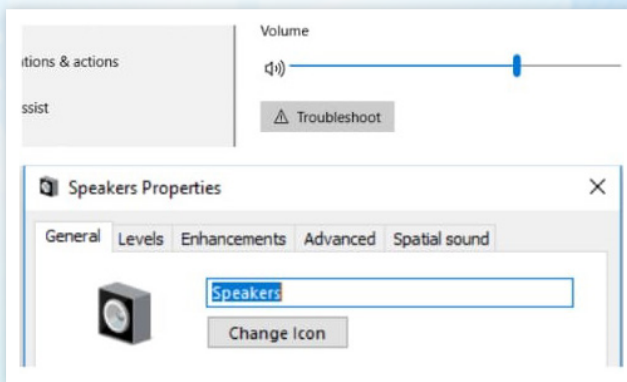- News channel offering sign language interpreters during broadcast

4. Chat and Email Options for Contact

2104, Mobile: 9444314716, Toll Free No : 1800-425
0345, Email: niepmd@gov.in,GRAMS: NIEPMD
erver related Queries Contact Help Desk: 1800-111

NIC Chat Interface (NICCI)

पहचान

Namaskaar Amit

This is NICCI, your digital assistant for any query related to Pehchan Portal

What can I do for you?

Your name

Start

• Websites including chat and email options along with phone number in 'contact us' section

5. Volume Control Options

Volume

tions & actions

ssist

⚠ Troubleshoot

🗔 Speakers Properties   ✕

General Levels Enhancements Advanced Spatial sound

Speakers

Change Icon

• Options for changing audio properties like volume level