



AWARENESS BOOKLET ON

ASSISTIVE TECHNOLOGY



Central Health Education Bureau

Directorate General of Health Services, Ministry of Health & Family Welfare, Government of India
5, Kolla Road, New Delhi-110002

Awareness Booklet on Assistive Technology

What is the Assistive Technology

Assistive Technology/Products are external aids, appliances, instruments, equipments or softwares that are meant for persons with functional impairments to perform a particular task to live a healthy & dignified life.

Role: Assistive Technology/Products plays a pivotal role in enhancing the quality of life and promoting independence among individuals with functional impairments. The Assistive Products aim to maintain or improve an individual's functioning, build confidence to participate in daily activities, enhance overall well-being and enable them to become an active member of the Nation.

It also includes Assistive Products for sports/ recreational/ leisure activities.



National List of Essential Assistive Products (NLEAP)

The Indian Council of Medical Research (ICMR) carried out an extensive exercise to develop the National List of Essential Assistive Products (NLEAP) in 2020. The list aims to ensure that the most important Assistive Products are available, affordable, and accessible to people with functional impairments to enhance their ability to live a full and independent life.

Primary objective of NLEAP is “ensure universal accessibility to essential Assistive Products, while also serving as a point of reference for Govt. agencies, healthcare providers, and rehabilitation services”.



Awareness Booklet on Assistive Technology

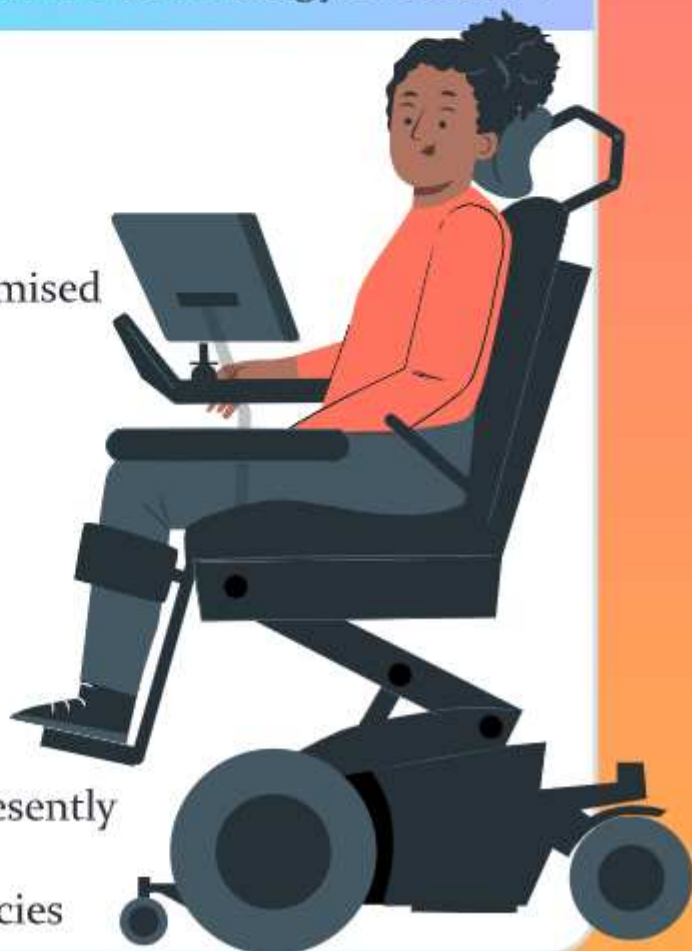
Who can benefit from Assistive Technology ?

People who mostly need Assistive Technology include:

- People with disabilities
- Elderly (any one > than 60 years of age)
- People with non-communicable diseases such as diabetes and stroke etc
- People with mental health conditions including dementia and autism
- People with gradual functional decline

Barriers for individuals using Assistive Technology/Products :

- Lack of awareness
- Lack of services
- Lack of various products/customised
- Inaccessible environments
- Lack of trained (both health & non health) human resources
- Financial barriers
- No sustainable mechanisms presently through Govt./Non Govt. agencies



Awareness Booklet on Assistive Technology

Need of the booklet :

Information, access & affordability to Assistive Technology /Products are necessities for many people with functional impairments including persons with chronic diseases, elderly and Persons with Disabilities. These Assistive Technologies/Products can play an important role in improving an individual's quality of life on a daily basis, leading to empowerment and helping them to achieve their goals.

Objectives of the booklet :

- ◆ To create awareness on the available assistive products.
- ◆ To enhance knowledge of general population on the use and benefits of various Assistive Products.
- ◆ To use various social media platforms and events like workshop/seminar/training/health mela etc. for wider dissemination of information on Assistive Products.



Awareness Booklet on Assistive Technology

Assistive Products & Purpose

Mobility / Locomotor



Wheelchairs

- ◆ Used by people who cannot walk or difficulty in walking
- ◆ Different types of wheelchairs suit different people's needs

Walkers and Rollators

- ◆ Used in case of advanced/severe physical/locomotor/impairment
- ◆ For elderly with mild/severe, physical / locomotor / mobility impairment



Awareness Booklet on Assistive Technology

Assistive Products & Purpose

Mobility / Locomotor



Canes or Sticks

- ◆ Used for more stability and also used for elderly as mobility aid

Crutches

- ◆ Providing support and stability for individuals with temporary mobility impairments
 - ◆ Used to enhanced stability and weight distribution for individuals with long-term mobility challenges



Awareness Booklet on Assistive Technology

Assistive Products & Purpose

Mobility / Locomotor



Orthosis

- ♦ Used to improve function, encourage proper joint alignment or to protect an existing limb

Prosthesis

- ♦ Used to replace a part of the body that may have been missing at birth, or that is lost in an accident or through amputation



Therapeutic Footwear

- ♦ Required for the care of foot in patients with chronic diseases, congenital defects
- ♦ It may be needed by a person with a foot wound medium/high risk

Awareness Booklet on Assistive Technology

Assistive Products & Purpose

Mobility / Locomotor



Portable Ramps

- ◆ Child or adult with difficulties going up or down steps or who uses mobility products

Tricycles

- ◆ Used for advanced mobility for long distance or workplace as well as sports/recreation/Leisure activities



Rail and Grab Bars

- ◆ Provide balance and support and Helpful in preventing from falls

Awareness Booklet on Assistive Technology

Assistive Products & Purpose

Vision



Spectacles

- ◆ Used for the weak eyesight/ persons with visual impairments

Canes -White/Red/ Ultrasound/Laser

- ◆ Used in a comprehending situations for the weak eyesight/blind patients



Braille

- ◆ To help in comprehending situations for the weak eyesight/blind patients



Awareness Booklet on Assistive Technology

Assistive Products & Purpose

Vision



Tactile and Audio Signages

- ◆ To help in comprehending situations for the weak eyesight/blind patients

Phone Seeing function

- ◆ To assist in understanding situations for the weak eyesight/persons



Communication



Deaf-Blind Communicators

- ◆ Used by braille notetakers to communicate with others who don't know braille or their communication system

Awareness Booklet on Assistive Technology

Assistive Products & Purpose

Hearing



Digital hearing Aids

- ♦ To aid in hearing loss and makes sounds louder for person with hearing loss can listen, communicate, and participate in daily activities

Smart phone with modification

- ♦ To be used by the persons with mild to severe hearing loss in most environments



Cochlear Implants

- ♦ To aid in hearing in sensorineural hearing loss (SNHL) and can provide a sense of sound to people who are deaf or hard-of-hearing



Awareness Booklet on Assistive Technology

Assistive Products & Purpose

Self-care



Commode Chair

- ◆ Useful for child or adult who cannot access or safely use their existing toilet

Fall Detectors

- ◆ Useful during activities of daily living (ADL) for detecting imbalance



Incontinence Products

- ◆ Useful for self-care among elderly and bedridden patients etc

Awareness Booklet on Assistive Technology

Strategies for promotion of Assistive Products:

1

Establish linkages :

Collaborate with the National and International agencies working on the Assistive Products.

2

Awareness:

The most essential and key activity for increasing knowledge and use of Assistive Products among persons with various functional impairments and their caregivers/family members. In addition mass awareness around these products need to be generated to benefit person in need.

IEC materials on identified 21 Assistive Products to be developed for dissemination on social media platforms and health melas/other events.

3

Orientation and Training:

Organise training programme for persons with disabilities along with family members; Institutions working in similar field, medical, paramedical & other non-health personnel to know about the utility of the products.

Goal is to help people to become a MOTIVATOR; VOLUNTEER and/or CHAMPION for the people in need

Any one (Persons with Disabilities, Youth and Peer group) can Act as:

VOLUNTEER

Should have compassion towards the cause and enthusiasm for volunteerism

Should have positive attitude towards persons with functional impairments and person in need

Should be willingness to extend support by providing correct information

MOTIVATOR

Should have self believe and commitment for the cause

Should understand the importance / benefits of the Products

Should be willing to encourage people to accept and use the Assistive Products

CHAMPION

Self-motivated and has an ability to build confidence among other people with functional impairments in adopting Assistive Products

Should have the zeal to establishing connection with the institute / organization / agency working on Assistive Products to increase accessibility among people in need

Awareness Booklet on Assistive Technology



Awareness and training on Assistive Technology/Products leads to...



-  Improve quality of life.
-  Enhanced knowledge about the Assistive Technology/Products.
-  Empowering persons with functional impairments including Elderly persons with chronic diseases, and Persons with Disability.
-  Enable every person to fulfil their purpose of life.

Mandate of CHEB



Divisions and Objectives

Training, Research & Evaluation Division

- ♦ To train health, allied and non-health professionals in the field of Health Promotion and Health Education.

Media and Editorial Division

- ♦ Awareness generation, development & dissemination of Health Education, IEC materials of various modalities on various health issues.

Health Promotion and Education Division

- ♦ Provide guidance & technical help in undertaking health promotional activities in the country.
- ♦ Collaborating with various ministries, departments, National & International agencies for Health Promotion and Health Education.

School Health Education Division

- ♦ Help schools and teacher training institutes for Health Education of the school population.



सभी विकलांग व्यक्तियों के लिए बेहतर स्वास्थ्य
Better Health for all Persons with Disabilities



Central Health Education Bureau

Directorate General of Health Services, Ministry of Health & Family Welfare, Government of India

5, Kolla Road, New Delhi-110002