



DISABILITY INITIATIVES

UNIVERSITY OF JAMMU

SUGGESTIVE LIST OF ADAPTIVE DEVICES

Following are a list of devices that can be useful for persons with disabilities. The students of the University of Jammu are requested to look into these and check if any of these can be useful for their everyday living or for academic pursuits.

1. Mobility Aids

- **Smart Canes:** Navigation aids for visually impaired individuals.
- **Electric Wheelchairs:** Motorized options for ease of movement.
- **Manual Wheelchairs with Advanced Suspension:** For enhanced comfort.
- **Walkers with Seat Support:** To aid mobility and provide rest when needed.

2. Visual Assistance

- **DAISY Players:** Digital Accessible Information System devices for reading books in audio format.
- **Victor Reader Stream:** A portable device for listening to audio books and documents.
- **Refreshable Braille Displays:** Devices like Braille Note-Takers to read digital text in braille.
- **Tactile Learning Kits:** Sets with tactile diagrams, maps, and tools for learning.
- **Screen Magnifiers:** Devices or software that enlarge text and images for low-vision users.

3. Hearing Assistance

- **Hearing Loop Systems:** To amplify sound directly to hearing aids.
- **Personal FM Systems:** Devices that improve hearing in noisy environments.
- **Captioning and Subtitling Software:** To provide text-based communication in videos and lectures.

- **Speech-to-Text Tools:** Real-time transcription systems.

4. Cognitive and Learning Support

- **Text-to-Speech Readers:** Tools like Kurzweil Reader that read digital and printed text aloud.
- **Noise-Canceling Headphones:** For students with ADHD or sensory processing disorders.
- **Visual Timers:** To help manage time and schedules.
- **AAC Devices:** Augmentative and Alternative Communication tools to assist students with communication challenges.

5. Communication Aids

- **Eye-Tracking Communication Devices:** For individuals with severe mobility impairments.
- **Speech Generating Devices (SGDs):** Tools that help individuals communicate using synthesized speech.
- **Tactile Communicators:** Low-tech tools to support communication through touch.

6. Environmental Adaptations

- **Accessible Desks and Workstations:** Adjustable height desks and ergonomic setups.
- **Portable Ramps:** To ensure wheelchair accessibility in temporary setups.
- **Accessible Lockers and Storage Units:** Designed for ease of use by students with disabilities.

7. Miscellaneous Devices

- **Braille Embossers:** Devices that convert text into braille print.
- **Adaptive Keyboards and Mice:** For individuals with limited hand dexterity.
- **Electronic Organizers:** For task management and reminders.
- **Talking Calculators:** Audio-enabled calculators for visually impaired students.

8. Reading and Learning Devices

- **Orbit Reader 20:** An affordable refreshable braille display.
- **Pen Scanners:** Devices that scan and read text aloud or convert it to digital format.
- **Digital Book Readers:** Devices preloaded with accessible eBooks and audio materials.
- **Learning Tablets:** Tablets with apps and accessibility features designed for students with special needs.

These devices provide a wide range of support for students with diverse disabilities, helping them overcome barriers and thrive in educational environments.