

Inclusive Education Resource Centre - Proposal

1. The Rights of Persons with Disabilities Act (2016)

The Rights of Persons with Disabilities (RPwD) Act was enacted in the year 2016. The objective of the RPwD Act is to ensure that all persons with disabilities can lead their lives with dignity, without discrimination and with equal opportunities. The Act lays down specific provisions to uphold such rights. It incorporates the rights of persons with disabilities covered under the United Nations Convention on the Rights of Persons with Disabilities (UNCRPD), to which India is a signatory

Our Vision

IIT Madras' Inclusive Education initiative seeks to nurture students with disabilities (SwD) such that they become professionally competent and personally independent, by enabling reasonable participation in curricular, co-curricular and extra-curricular activities in the IITM campus.

For the students with any kind of disability, IE team makes every effort to assist them with a device, a software, any advice as well as continuous guidance to make learning at ease just as for others.

There are assistive devices that can be made available and also various forms of training to faculty as well as students to make both teaching and learning most convenient.

Inclusive Education Services: -

a) Academic Accommodations

Under the aegis of the Dean of Academic courses

- Accommodation Interviews
- Accommodation Letters
- Data base Management

b) Campus Living

Under the aegis of Dean of Students

- Mobility & accessibility services
- Assistive technology
- Volunteer services
- Training & capacity building

c) Learning Resources

Under the aegis of the Chairman (Library Advisory Committee)

- Accessible resources
- Interlibrary networks
- Resource Provisioning

Below is the proposed list of things to be procured for the visually impaired, hearing impaired and also getting the essential furniture's / modifications to be made for the infrastructure development.

2. List of things to be purchased for the Visually Impaired

Items	Required Number	Function	Approximate cost
NVDA (Nonvisual Desktop Access)	3	Allows blind/VI people to access and interact with the Windows operating system and many third-party applications	Free to download
Chrome Window (Free)	3		Free to download
Dolphin SuperNova	3	SuperNova Magnifier & Speech / SuperNova Magnifier & Screen Reader	50-60k
Narrator	3	Screen-reading application that's built into Windows 11	Free to download
Flat base scanner	1	Scans Documents and Photos	6000/-
Bonita CCTV Mouse	3	It connects directly to any TV/Monitor with video input in seconds, allowing you to read easily and wirelessly	Details not available
Talking Scientific Calculator	3	Has a speech synthesizer which speaks aloud as you click on each key and perform each operation	Free to download
Kibo(Knowledge in a Box)	1	Listen, Translate, Digitize, Audio'tize- Printed,	IITM -IE procured it already

		handwritten and digital content across 60 global languages	
Monocular Handheld Telescope 8.0X	3	To observe distance and close objects	Details not available
AI powered Smart Vision Glasses	3	Object detection, Facial Recognition, Reading, Indian Language Support, Navigation	Details not available
Portable Video Magnifier – Ruby HD	3	Handheld digital magnifiers	Details not available
Smart Cane	2	An electronic travel aid which fits on top fold of the white cane. Enhances white cane’s capability by detecting objects from knee to head height in front of a person	Details not available (IIT Delhi ??)

Items to be purchased for the Hearing Impaired

Items	Required Number	Function	Approximate Cost
Otter AI	2	Otter transcribes all meetings, interviews, lectures and everyday conversations in real time, so one can focus on the discussion	Details not available

Furniture’s/ Infrastructure

1. 3 desktops (32”) and space for 3 laptops (3 normal desks and 2 longer ones) and chairs
2. Table to keep the computers and non-moving chairs as per standard size
3. Space to keep scanner / photo copier
4. Plug points
5. Non slippery tiles on the floor with dotted tiles indicating pathways
6. Phone or emergency alarms

7. Wheelchair should be able to rotate 360° inside the room
8. Proper illumination
9. Proper ventilation

3. The proposed centre will be:

- To provide seamless support between and among student service areas (including using assistive technology for learning, other relevant areas of campus life, etc.)
- To provide curricular support for both traditional and e-learning and environments
- Essential in offering more integrated support services to its students with disabilities
- To position the institute as a leader in efforts to advance in the area of Inclusive education in Higher Education Institutes.

4. The proposed centre will have the capacity / scope to: -

- Establish and maintain sustainable, enriching and mutually-transformative partnerships among students with disabilities
- Provide seamless support to students with disabilities irrespective of their severity.

5. Budget

Category	Amount
Assistive Devices	Rs.4.5 lakhs
Mounting/Infrastructure	Rs.3.5 lakhs
Contingency /Immediate Expenses	Rs. 2 Lakhs
Total Amount	Rs.10 lakhs