

**EFFECTIVENESS OF DIGITAL LITERACY TRAINING PROGRAMME
ON PRE-EMPLOYABILITY SKILLS AND SELF-EFFICACY AMONG
STUDENTS WITH VISUAL IMPAIRMENT IN HIGHER EDUCATION
IN THE STATE OF MIZORAM**

Synopsis submitted to
Ramakrishna Mission Vivekananda Educational and Research Institute (RKMVERI)
Faculty of Disability Management and Special Education (FDMSE)
for the Award of the Degree of
DOCTOR OF PHILOSOPHY
in
SPECIAL EDUCATION (Visual Impairment)

Submitted by
H. LALRINHLUI
(Registration Number: H22PHDS001)

Under the Guidance of
Dr. S. PARWEEN
Assistant Professor in Special Education & Head
Division of Visual Impairment & Hearing Impairment
FDMSE - RKMVERI



Ramakrishna Mission Vivekananda Educational and Research Institute
Faculty of Disability Management and Special Education
Deemed-to-be University as declared by Govt. of India u/s 3 of UGC Act, 1956
Accredited by NAAC with A++ Grade
Coimbatore Campus, SRKV (PO), Coimbatore
Tamil Nadu - 641 020, India

JUNE 2026

ABSTRACT

The rapid advancement of Information and Communication Technology has made digital literacy essential for participation in higher education and employment. For Students with Visual Impairment (SwVI), digital literacy and assistive technologies help overcome visual barriers and enhance academic, professional, and independent functioning. However, SwVI continue to face challenges such as inaccessible digital content, inadequate institutional support, limited access to assistive technologies, and insufficient training opportunities.

The present study examined the effectiveness of a Digital Literacy Training Programme (DLTP) on pre-employability skills and self-efficacy among SwVI pursuing higher education in Mizoram. A quasi-experimental design with control and experimental groups was adopted. Thirty SwVI were selected purposively from undergraduate and postgraduate programmes in higher education institutions in Mizoram.

Data were collected using a researcher-developed Pre-Employability Scale and a standardized Self-Efficacy Scale administered before and after the intervention. The DLTP was systematically designed to address the specific learning requirements of the participants and included training in Basic Windows operations, Microsoft Office applications, and email communication. The Wilcoxon Signed-Rank Test and Mann-Whitney U Test were used for data analysis. Findings revealed significant improvement in pre-employability skills and self-efficacy among the experimental group following the intervention. The study highlights the importance of accessible digital literacy training in promoting inclusion, confidence, workplace readiness, and pre-employability skills among SwVI.

Keywords: Digital Literacy Training Programme, Students with Visual Impairment, Higher Education, Pre-Employability skills, Self-Efficacy