

# EDITED BOOK ON SPORTS AND NUTRITION

A TINY RESEARCH OF SPORTS AND NUTRITION



INSTITUTE OF LEGAL  
EDUCATION

# **EDITED BOOK ON SPORTS AND NUTRITION**

*A Tiny research of sports and nutrition*

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# **IMPACT OF COMPUTER AIDED INSTRUCTION MODULE ON THE SCORES OF CHILDREN WITH THE LEARNING DISABILITY IN DIVISION CONCEPT**

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### **Abstract**

Education is the most influential tool of social change, and habitually brings drastic social change in the society. Though education scenario has undergone major change over the decades, resulting in better provision of education for different sections of the society, yet the number and satisfaction of disabled on the present educational system is proportionally low in terms of its efficacy, infrastructure, and implementation especially in the field of education and technology. Technology has brought most amazing development and created a tremendous change in the existing teaching - learning system of disabled students, ending the isolation and limited opportunities disabled students have long faced. Hence it is an imperative need to review the contemporary changes made in the field of computer aided instruction and its impact on children with disabilities.

The present study on "Impact of Computer Aided Instruction Module on Teaching Division Concept for Children with Learning Disability". With the objective to analyze pre and post test scores

The study was carried out in three types of schools namely Regular School with normal children (RS), Regular School with Learning Disability Remedial Centre (RSLDR), and Special School for Children with Learning Disability (SSLD). Quasi experimental and - post-test design was chosen for the study. The total sample size was 150 children, fifty from each pre-test category. Each category had 25 as sample for control and experimental.

A Computer Aided Instruction Module on Teaching Division concept for children with Learning Disability was designed. Preceding implementation a pre-test was conducted on the division. Followed by module implementation to the experimental groups of all the three categories a post test was conducted. Regarding Pretest and Posttest scores, there is a significant

variation in terms of increment in test scores among the experimental and control groups as well as amidst the schools.

**Keywords:** LD-Learning Disability, SPL-Specific Learning Disability, CAT-Computer Aided Teaching.

## Introduction

*“Every child has a different learning style and pace. Each child is unique, not only capable of learning but also capable of succeeding”*

– Robert John Meehan

Every child born in this world is unique and the way they think act and absorb things around them is unique, the way of learning is not exceptional. In some cases, children found difficult to succeed in their academic under achievement and often show discrepancy between the students’ cognitive abilities and his or her academic achievement. This may be referred to as specific Learning Disorder or Learning disability. Learning disability refers to a disorder in the brain which interferes in the information and communication process of the child and is not the problem with intelligence.

Over the past few decades, it is evidenced that the conditions of Learning disability (LD), (sometimes called a Specific learning disability (SLD), Learning Difference, Learning Disorder, or Learning Difficulty) is increasing among school going students in globally (The Human Rights Commission of Malaysia (Suhakam, 2015). It is noted that there is an increase of LD among children in global and specific to India. SLD is a developmental disorder of children affects up to 10 per cent school children according to a study conducted among US children (Altarac & Saroha, 2001). Specifically in India, SLD (dysgraphia, dyslexia and dyscalculia) afflicts 5–15% of school-going children (Karande *et al.*, 2011). As per the report of (Doda, 2009), around 13 to 14 per cent of all