



**CLUSTER INNOVATION CENTRE**  
(UNIVERSITY OF DELHI)  
M.Sc. (Mathematics Education)  
A Joint Degree under the Meta University Concept by  
University of Delhi & Jamia Millia Islamia



## **EXPLORING THE METHODS TO ENHANCE THE FUNDAMENTAL NUMERACY SKILL AT FOUNDATIONAL STAGE 3-8 YEARS: A META-ANALYSIS**

*(A research dissertation submitted at Cluster Innovation Centre, University of Delhi )*

### **Abstract**

*Foundational numeracy refers to the ability to comprehend numbers and perform basic operations like addition and subtraction (Praveena K, 2020). the National Education Policy (2020) emphasizes the objective of achieving universal foundational numeracy up to grade 3 by 2025 (NEP 2020). However, evidence shows that a significant percentage of Indian students, even in upper primary and middle grades, struggle with basic digit subtraction (ASEAR, 2018). Since foundational numeracy skills serve as crucial building blocks for future academic pursuits and careers in mathematics and related fields, it becomes imperative to develop these skills early on and implement effective interventions for students at the foundational stage. This study investigates the existing methods and strategies to enhance fundamental numeracy skills at the foundational stage. It recognizes that incorporating card games in classrooms can promote the visualization of concepts, foster curiosity, and encourage collaboration among students. The paper aims to provide an overview of foundational numeracy, redefine its scope, and explore various methods and strategies through an extensive review of studies, research papers, books, and documents. The research findings indicate that implementing these methods and strategies in the classroom can have a positive impact on students' numeracy skills. By presenting an analysis of existing literature, this paper contributes to the understanding of effective approaches for enhancing fundamental numeracy at the foundational stage. Further research is needed to investigate the long-term impact and identify best practices for enhancing fundamental numeracy skills at the foundational stage.*

by

**Tarannum Khursheed**

**M.Sc. (Mathematics Education)**

**2021-2023**