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**INVESTIGATION OF CONCEPTUAL UNDERSTANDING OF
UNDERGRDUATE STUDENTS REGARDING TO FUNCTION
AND ITS VARIOUS REPRESENTATIONS**

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Abstract

The function concept is a central organizing idea for the study of calculus. The extent of the function concept is a big determining factor for students' understanding of limit, continuity and differentiability. But conceptual understanding of function and a general ability to solve problems is lacking in Calculus students (Ferrini-Mundy and Graham, 1991). The study reported in this paper explored first year undergraduate students' understanding towards classical definition of function and when it is represented in various forms.