

**SOME PROPERTIES OF FIXED SOFT POINT RESULT IN SOFT  
 $D$ -METRIC SPACES**

**Sk. Nazmul and Utpal Badyakar\***

Department of Mathematics,  
Kazi Nazrul University, Asansol,  
Paschim Bardhaman - 713340, West Bengal, INDIA

E-mail : sk.nazmul\_math@yahoo.in

\*Department of Mathematics,  
Bankura University, Bankura - 722155, West Bengal, INDIA

E-mail : ubmath16@gmail.com

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**Abstract:** We have explored several theorems involving fixed soft point by utilising soft mapping on soft  $D$ -metric spaces, and investigated their existence with a relevant example.

**Keywords and Phrases:** Soft set, soft  $D$ - metric spaces, soft  $\Delta$ - distance, fixed soft point.

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### **1. Introduction and Preliminaries**

In 1992, B. Dhage [9] proposed the  $D$ -metric space, is a significant generalization of metric spaces. He has developed some topological behaviors in this space and the relation between  $D$ -metric and the usual metric function was mentioned. Also, the existence of fixed point in  $D$ -metric spaces was proved by Dhage et. al. [10] in