### Abstract No:NST5

### ON SOFT NANO GENERALIZED w-CLOSED SETS IN SOFT NANO TOPOLOGICAL SPACES

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In this paper, a new class of soft nano set called soft nano generalized w-closed sets in soft nano topological spaces is introduced. Also, the notions of soft nano closure and soft nano interior of soft nano generalized w-closed sets and their related properties are investigated. Further, the characterizations and the inter-relationship between this new class and the existing soft nano sets in soft nano topological spaces have been studied.

### Abstract No:NST6

# DECOMPOSITION OF NIag-CLOSED SETS IN NANO IDEAL TOPOLOGICAL SPACES

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In this paper we define and study the notions of nano ideal  $\alpha$ -generalized (NI $\alpha$ g) closed sets, nano ideal generalized semi(NIgs) closed sets and nano ideal generalized pre(NIgp) closed sets in nano ideal topological spaces. Also we obtain a decomposition of NI $\alpha$ g-closed sets using NIgs-closed sets and NIgp-closed sets in nano ideal topological spaces.

### Abstract No:NST7

## CONTRIBUTION TO A NEW TYPE OF GENERALIZED SOFT CLOSED SET IN SOFT TOPOLOGICAL SPACES

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In our present work, we introduce a a new type of generalized soft closed set in Soft topological spaces and also we study the interrelationships between various existing

generalized closed sets in soft topological spaces. We also investigate its characterizations in soft topological spaces.

Abstract No: NST8

# NANO REGULAR WEAKELY CONTINUOUS FUNCTIONS IN NANO TOPOLOGICAL SPACES.

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The purpose of this study is to introduce the notion of Nano Regular Weakly Continuous Functions in Nano Topological Spaces and also examine some their properties.