International Journal of Applied Mathematics
& Statistical Sciences (IJAMSS)
ISSN(P): 2319-3972; ISSN(E): 2319-3980
Vol. 5, Issue 3, Apr - May 2016; 19-30

International Academy of Science,
Engineering and Technology
Connecting Researchers; Nurturing Innovations

ON NANO SEMI-GENARALIZED CLOSED SETS IN NANO BITOPOLOGICAL SPACES

K. BHUVANESWARI[1] & J. SHEEBA PRIYADHARSHINI[2]

[1]Associate Professor, Department of Mathematics, Mother Teresa Women's University,
Kodaikanal, Tamil Nadu, India

[2]Research Scholar, Department of Mathematics, Mother Teresa Women's University,
Kodaikanal, Tamil Nadu, India

ABSTRACT

The purpose of this paper is to define Nano Bitopological space and study a new class of sets called Nano (1, 2)* semi-generalized closed sets in Nano Bitopological spaces. Basic properties of Nano (1, 2)* semi-generalized closed sets are analyzed. Also the new Characterization on Nano (1, 2)* semi-generalized spaces are introduced and their relation with already existing well known spaces are also investigated.

KEYWORDS: Nano (1, 2)* Open Sets, Nano (1, 2)* Closed Sets, Nano (1, 2)* Closure, Nano (1, 2)* Interior, Nano (1, 2)* Semi Closed Sets, Nano (1, 2)* Semi-Closure, Nano (1, 2)* Semi-Interior, Nano (1, 2)* Semi-Generalized Closed Sets, Nano (1, 2)* Semi-T_0, Nano (1, 2)* Semi-$T_{1/2}$, Nano (1, 2)* Semi-T_1