

International J. of Math. Sci. & Engg. Appls. (IJMSEA)
ISSN 0973-9424, Vol. 9 No. I (March, 2015), pp. 105-115

**A COMMON FIXED POINT THEOREM FOR FOUR SELF MAPS
ON A MENGER SPACES WITH MIN t -NORM, USING WEAK
COMPATIBILITY**

A. SRINIVASA RAO¹, CH. SRINIVASA RAO² AND K. P. R. SASTRY³

¹ Department of Mathematics, Ragu Institute of Technology,
Visakhapatnam-531162, India

² Department of Mathematics, Mrs. A. V. N. College,
Visakhapatnam-535001, India

³ 8-28-8/1, Tamil Street, Chinna Waltair,
Visakhapatnam-530017, India

Abstract

We prove a common fixed point theorem for four weak compatible self mappings on a Menger space, from which the result of Ramesh Bhinde [4] follows as a corollary.

Key Words : *Continuous t -norm, Menger space, Compatible, Weak compatible.*

AMS Subject Classification : 54H25, 47H10.

© <http://www.ascent-journals.com>