

1145-VN-3014 **Gurcharan Singh Buttar*** (gurcharanbuttar@gmail.com), Village Churian Po Makhu, Makhu, India, and **Vikramjeet Singh** (vikramjeet31782@gmail.com), PTU Batala Campus, Batala, India. *Solution Of Multiple Travelling Salesmen Problem Using Non Probabilistic Distribution Algorithm*. Preliminary report.

Fuzzy entropy is applied in the fields of Statistics, Computer Science, Bio- Technology to find the optimal solution of multifaceted problems. MTSP(Multiple travelling salesmen problem) is a generalised optimization problem with numerous combinatorial. The MTSP cannot be effectively handled by classical methods of optimization. Genetic Algorithms (GA), ant colony optimization (ACO), simulated annealing (SA) and partial swarm optimization (PSO) algorithms can be good option for MSTP. This paper is an attempt to apply non probabilistic distribution to MSTP, with some restrictions for the optimal solution. (Received September 26, 2018)