Seminar Invitation: Multi-objective linear programming models with different membership functions using Z-number

Speaker: **Inayat Ullah** from Department of Mathematics, University of the Punjab, Lahore

Speakers' Brief Introduction

Mr. Inayat Ullah is a PhD scholar working under the supervision of Prof. Dr. Muhammad Akram. The field of research of a student is Pure Mathematics.

Abstract

In this talk, I shall use Z-number with the multi-objective linear programming problem to model the Z-number multi-objective linear programming problem. I shall also propose a strategy to solve Z-number multi-objective linear programming problem by converting it into a crisp multi-objective linear programming problem and utilizing different shape functions to convert a crisp multi-objective problem into a single objective linear programming problem. Additionally, I shall compare the outcomes with the existing techniques in the fuzzy environment to authenticate the proposed strategy.

Departmental Seminar Series

The Seminar Series serves as a platform to showcase and celebrate the remarkable work carried out by our researchers, scholars, and experts. It provides an avenue for knowledge dissemination and collaboration, creating an environment that nurtures innovative ideas and drives groundbreaking research. We proudly acknowledge and celebrate the remarkable contribution of Prof. Dr. Muhammad Sharif in introducing this seminar series back in 2005. The Seminar Series encompasses a wide range of topics, spanning various disciplines, ensuring that it caters to our institute's community's diverse interests and expertise. Through these seminars, we aim to cultivate an environment of intellectual curiosity, stimulating meaningful discussions, and fostering interdisciplinary collaborations.

Please join us for this Presentation

When: Wednesday 13th December 2023; Time: 1500-1530
Where: Seminar Hall, Department of Mathematics, University of the Punjab, Lahore
Note: All faculty members and research scholars (MPhil/PhD) are invited to this seminar.

Chairman Message

It is my honor to witness the passion and dedication that our faculty and students bring to studying this beautiful discipline. I encourage our faculty members to create a supportive environment that nurtures and promotes mathematical research. I urge every one of you, regardless of your level of experience, to actively participate in mathematical research and contribute to the growth of our research community. Our collective responsibility is to create an ecosystem that encourages and facilitates research pursuits.

Coordinator Departmental Seminar Series

Dr. Zeeshan Yousaf
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