Abstract

In this talk, I will present an innovative MCDM methodology that integrates interval rough numbers, level-based weight assessment (LBWA), and the ELECTRE III method. By closely evaluating each criterion's explicit behavior about the veto, preference, and indifference threshold values, the suggested technique has the advantage of being able to infer preferences in terms of strong and weak preference relations. The level-based weight assessment technique ensures a systematic and balanced determination of criteria weights, reflecting their relative importance. A comprehensive case study on sustainable mining technology evaluation demonstrates the efficacy and robustness of our approach, yielding more precise and consistent decision outcomes.

Speakers' Brief Introduction

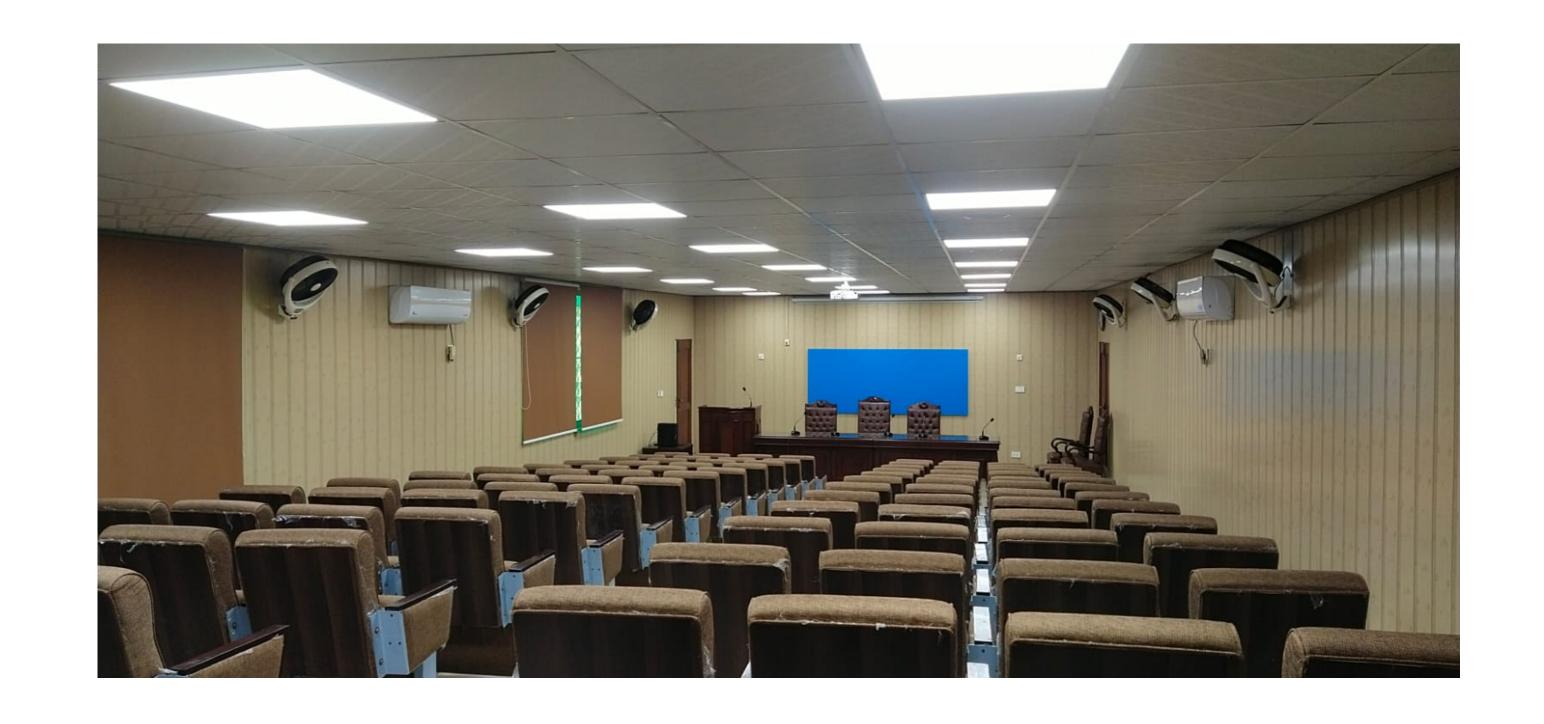Ms. Farwa Ilyas is a Ph.D. scholar working under the supervision of Prof. Dr. Muhammad Akram.

40th 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 recent research.

The Seminar Series encompasses a wide range of topics, spanning various disciplines, ensuring that it caters to the diverse interests and expertise of our institute's community. Through these seminars, we aim to cultivate an environment of intellectual curiosity, stimulating meaningful discussions, and promoting interdisciplinary collaborations.

Seminar Schedule

Please join us for this Presentation

Day & Date: Wednesday; 2nd October, 2024
Time: 03:00PM
Venue: Seminar Hall, Department of Mathematics, University of the Punjab, Lahore

We highly encourage you to participate and contribute to the academic discourse.

Coordinator Departmental Seminar Series

Dr. Zeeshan Yousaf
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