## Call for Book Chapter Proposals

**Book Title:** *Decision Elevation: The Art of Pre-processing and Ensemble Learning*

Springer · Scopus — Indexed by

**Important Dates:**
Proposed date of Publication: **October, 2024**
Submission of Full Chapters: **15th July, 2024**
Acceptance/Rejection Notification: **20th August, 2024**

"Decision Elevation: The Art of Pre-processing and Ensemble Learning" provides a comprehensive guide to mastering two critical aspects of machine learning: data pre-processing and ensemble learning. This book delves into the importance of clean, well-structured data and explores techniques such as data cleaning, normalization, feature engineering, and dimensionality reduction. It then transitions to the power of ensemble learning, covering methods like bagging, boosting, stacking, and voting, demonstrating how combining multiple models can lead to superior predictive performance. Through a blend of theoretical insights and practical exercises, the book equips readers with the skills to enhance their decision-making capabilities, making it an essential resource for anyone looking to excel in the field of machine learning.

### Key Themes:
- Introduction to Pre-processing Techniques in Ensemble Learning (EL)
- Exploratory Data Analysis and Data Cleaning for Ensemble Learning (EL)
- Handling Missing Values: Strategies and Techniques in Ensemble Learning (EL)
- Feature Engineering and Selection for Ensemble Learning (EL)
- Dimensionality Reduction Methods, Normalization, Imbalanced Data Handling and Standardization Techniques in Ensemble Learning (EL)
- Ensemble Learning: Foundations and Decision-Making Principles, Meta-Learning and Model Aggregation Strategies, Techniques for Classification and Regression Tasks
- Ensemble Learning for Time Series Forecasting, Recommender Systems, Personalization, Natural Language Processing Applications, Anomaly Detection and Outlier Identification
- Ensemble Learning in Healthcare: Applications and Decision Support Systems

Dr. Anoop Kumar Tiwari
Central University of Haryana, India

Dr. Priti Maratha
Central University of Haryana, India

Dr. Abhigyan Nath
Pt. J.N.M. Medical College, Raipur, India

Prof. Tanmoy Som
Indian Institute of Technology (BHU) Varanasi, India

Prof. Oscar Castillo
Tijuana Institute of Technology, Mexico

Academicians, Scientists, Researchers, and Industry persons are invited to submit quality chapter proposal for this edited book in the above discussed areas focusing on Data Pre-processing and Decision-Making with Machine Learning and Ensemble Learning. Submissions must be original and should not be under review by another publication. The book chapter should contain 15-20 pages of content as per the Springer-format.

**Only electronics submissions in PDF format will be considered.**
**All chapter submission must be made through an email to drpriti@cuh.ac.in**
**No APC will be charged and Book will be indexed in Scopus.**