Session 1 – Data Science and Data Driven Applications

Session Chairs : Dr. Supunmali Ahangama & Dr. P.L.M. Prabhani
Time : 10.00 AM – 12.00 NOON

Time	Paper ID	Paper Title
10.00 a.m. – 10.15 a.m.	8	Fake News Detection on Twitter
10.15 a.m. – 10.30 a.m.	33	Fishing Location and Availability Prediction for Yellowfin Tuna in Sri Lanka
10.30 a.m. – 10.45 a.m.	46	Examining Information Diffusion Patterns in YouTube Comment Networks, A Social Network Analysis Approach
10.45 a.m. – 11.00 a.m.	49	Analyzing the Influence of Automated Water Distribution Systems on Precision irrigation for Orchids: A Case Study Using Dendrobium Phalaenopsis Orchid Group
11.00 a.m. – 11.15 p.m.	52	Enhanced Analysis of Media Interactions during Sociopolitical Unrest: Cross-Correlation Case Study of South African Unrest 2021
11.15 p.m. – 11.30 p.m.	58	Generalized Meta Framework for Forecasting
11.30 p.m. – 11.45 p.m.	71	Optimal Allocation of Vaccines in a Meta-Population to Control COVID-19 in Sri Lanka
11.45 p.m. – 12.00 p.m.	74	Impact on Celebrity Endorsement Essentials on Brand Awareness and Purchase Intention in Men's Wear Industry in Sri Lanka

Session 5 – Data Science & Data Driven Applications

Session Chairs : Dr. T.M.K.K. Jinasena and Dr. CRJ Amalraj

Time : 11.00 AM – 1.15 PM

Time	Paper ID	Paper Title
11.00 a.m. – 11.15 a.m.	78	Kills or Turrets: An Exploratory Data Analysis and Win Prediction of League of Legends Based on Early-Game Data
11.15 a.m. – 11.30 a.m.	80	Determining the Risk of Natural Disasters in Sri Lanka using Fuzzy-AHP
11.30 a.m. – 11.45 a.m.	84	Early Disease Outbreak Detection in Spatio-Temporal Data Using Predictive Modeling and Extreme Value Theory
11.45 a.m. – 12.00 p.m.	86	Improving Class Imbalance in the Classification of Multi-Dimensional Data: Interpretable Model Design and Evaluation
12.00 p.m. – 12.15 p.m.	116	Enhancing Human Safety through Early Detection of Floods and Landslides in Sri Lanka.
12.15 p.m. – 12.30 p.m.	137	An Analysis of Uncovering Readability of Large Language Models (LLMs) Generated Sri Lankan Short Stories.
12.30 p.m. – 12.45 p.m.	153	Galaxy Clustering and Classification using Machine Learning Algorithms and XAI
12.45 p.m. – 1.00 p.m.	169	Enhancing Demand Forecasting in Food Manufacturing: Hierarchical Analysis of Aggregated and Individual Models
1.00 p.m. – 1.15 p.m.	173	Real Time Crime Data Analysis with Hadoop and MapReduce: A Case Study from Sri Lanka