**Name:** BSE No.14

**Classification**

**Target name:** Anomaly Detected

**Number of samples:** 5000

**Number of Classes:** Two, (0: 3614 and 1: 1386).

**Data Balancing:** Using ENN method for under sampling.

**Number of Inputs:** 21

**Cross Validation:** 5-Fold

**Models:** Stochastic Gradient Descent Classification (SGDC) and Support Vector Classification (SVC).

**Optimizers:** Kepler optimization algorithm (KOA), Dream Optimization Algorithm (DOA), and Echidna Optimization Algorithm (EOA).

**Convergence:** Based on F1-Score.

**Report Search spaces**

**Report Run Time**

**Metrics:** Accuracy, Precision, Recall, F1-Score, AUC and MCC.

**Statistical Wilcoxon test**

**ROC Curves**

**Sensitivity:** SHAP.