

	NSL-KDD			UNSW-NB15			AUC
	ACC	PPV	TPR	ACC	PPV	TPR	
Decision Tree	87.91	63.62	68.50	93.78	76.42	68.92	97.45
K-means	82.78	84.96	56.95	87.05	74.01	35.23	86.45
K Neighbours Classifier	88.56	77.19	71.39	94.31	77.42	71.52	96.45
Logistic Regression	89.52	62.04	73.79	92.52	71.05	62.61	97.45
Multilayer Perceptron (MLP)	87.91	63.62	68.5	90.16	76.72	75.39	96.45
Gaussian Naive Bayes	88.33	73.98	41.67	88.34	73.98	41.67	89.45
Multinomial Naive Bayes	83.96	65.52	59.90	90.97	55.40	54.86	89.45
Bernoulli Naive Bayes	74.60	87.47	36.49	91.31	55.07	56.52	90.45
Random Forest Classifier	88.39	71.21	70.99	94.44	80.29	72.21	97.45
Support Vector Machine (SVM)	88.32	64.70	70.80	93.38	76.91	66.90	96.45
Our Proposed Deep Learning Approach	90.99	81.95	77.48	95.84	83.40	79.19	97.45