## Existing Models Vs Proposed Models Analysis

	Models State of Art Literat	Accuracy	Precisio	Recall	F1 Score	мсс	Remarks
	Suresh Kumar and Asha RB (2021)[]	99.23	81.15	76.19	78.59	80.255	Direct usage of highly unbalanced dataset leads to high accuracy.
	Saurabh Dubey, Ke Mundhæ Aditya A (2020) []	99.2	99.96	99.96	99.96	81.46	<ul> <li>No data preprocessing is done; directly using the imbalanced data leading to model overfitting (model will always consider every transaction as legitimate).</li> <li>Model is overfitted can be predicted from the curve provided.</li> <li>Only 10% of the dataset is taken for testing purpose.</li> </ul>
	Khalid, Ahmad, Mothann& Omar (2021) []	95.3	95.2	95.55	95.55	-	<ul> <li>The dataset is divided into (70%) Training and (30%) Testing data, are used for training and validating the model. The testing data used for evaluating the model.</li> </ul>
	Proposed Model:						
ø	Mode <del>l</del> 1	97.77589	99.5902	95.9183	97.7198	95.61482	<ul> <li>In the proposed models, the dataset is rpcessed and balanced before training the model.</li> <li>Early stopping during training process and one dropout layer is introduced between hidden layers to stop overfitting or underfitt model.</li> <li>The number of neurons is optimised in the hidden layers for bette performance.</li> </ul>
ð	Mode <del>l</del> 2	97.790025	99.6049	95.9183	97.73398	95.6441	
	Mode <del>l</del> 3	98.5408	99.09365	97.9591	98.52315	97.08759	
	Mode <del>l</del> 4	94.7603	99.6213	89.79591	94.4537	89.94749	