Tobby Lie
September 2, 2019
CSCI-5931
Programming Assignment 1

Report									
	Configurations	**Accuracy Train set**	**Accuracy Test set**	**Precision Train set**	**Precision Test set**	**Recall Train set**	**Recall Test set**	**F1-Score Train set**	**F1-Score Test set**
ANN-1	8x4, sigmoid 4x5, sigmoid 5x4, sigmoid 4x5, sigmoid 5x4, sigmoid 4x1, sigmoid Epoch=100 Scaling=yes	0.8571	0.8389	0.7284	0.6152	0.4453	0.4759	0.5229	0.4198
ANN-2	8x11, relu 11x9, relu 9x5, relu 5x3, sigmoid 3x1, sigmoid Epoch=100 Scaling=yes	0.8676	0.8444	0.7635	0.6565	0.4800	0.4782	0.5658	0.4002
ANN-3	8x11, sigmoid 11x15, sigmoid 15x5, sigmoid 5x30, sigmoid 30x1, sigmoid Epoch=1000 Scaling=yes	0.8600	0.8417	0.7543	0.6784	0.4300	0.4375	0.5221	0.3503
ANN-4	8x200, sigmoid 200x150, sigmoid 150x50, relu 50x120, sigmoid 120x1, sigmoid Epoch=100 Scaling=yes	0.8626	0.8439	0.7891	0.6800	0.4469	0.4492	0.5431	0.3643

NOTE: F1-SCORE NOT EXACT VALUE BECAUSE K.EPSILON IS UTILIZED IN ORDER TO ENSURE THERE ARE NO DIVIDE BY ZERO ERRORS SO AS EPOCH INCREASES THE VALUE OF F1-SCORE BECOMES INFLATED.