Table 1- For Model 1

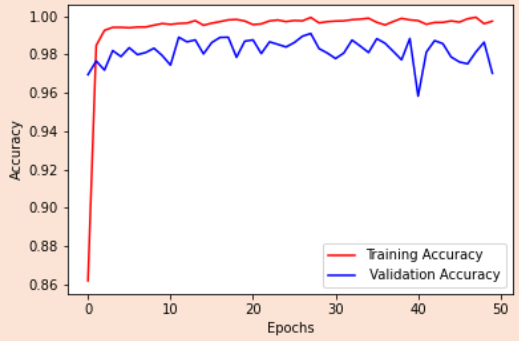
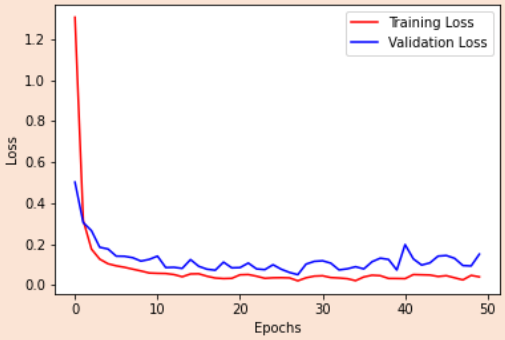
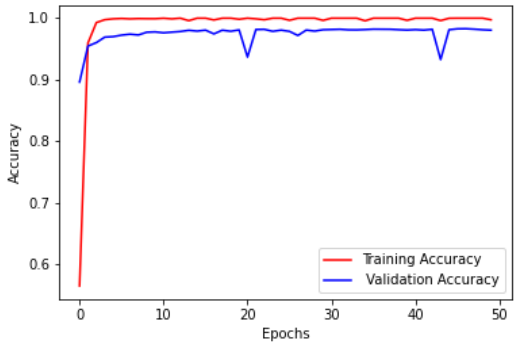
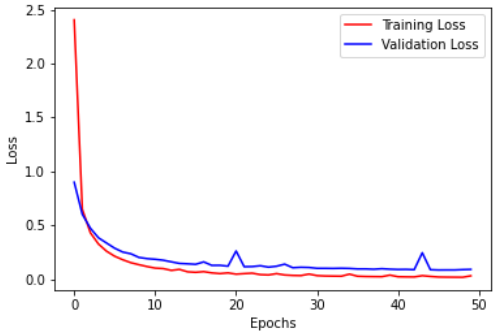
	Accuracy	*Loss*
Z-Score Normlaized		
Min-Max Normalized		

Table 3

Model Names	Epochs	Test Loss	Test Accuracy
Model_1	30	0.0572	0.9927
Model_2	30	0.2520	0.9520
Model_3	30	0.7626	0.8639
Model_4	30	0.5470	0.8796

Table 4 For Different Model Types

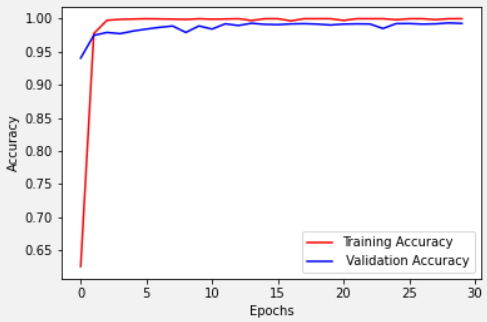
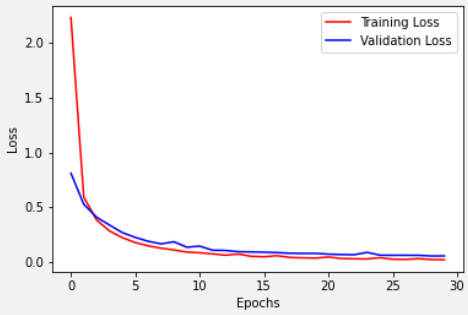
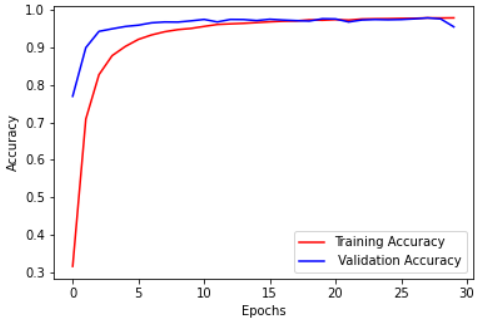
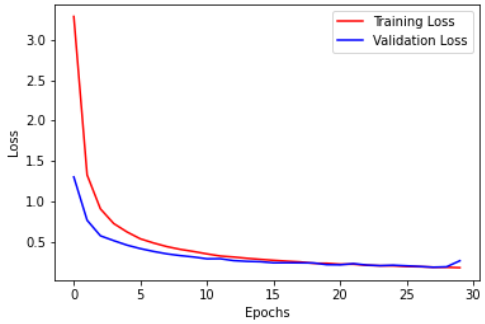
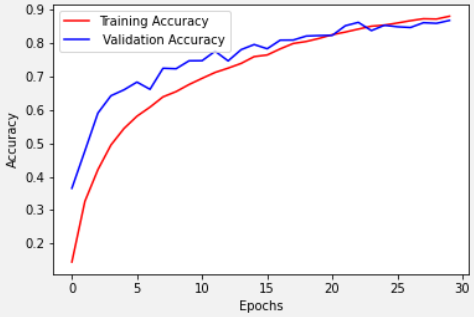
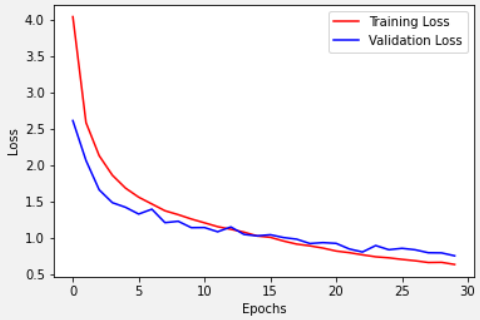
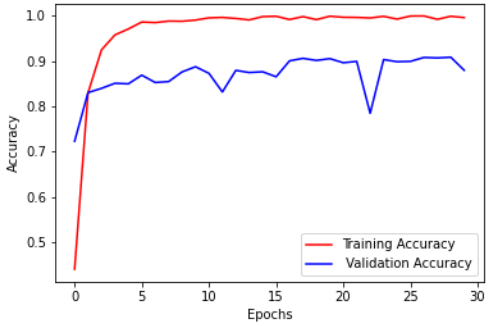
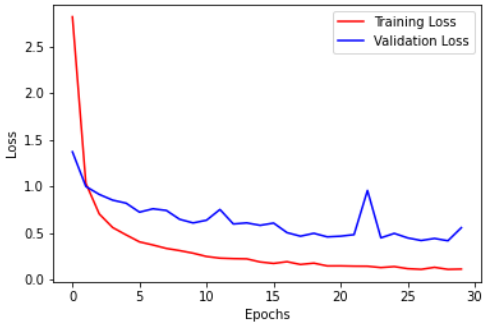
	Accuracy	Loss
Model_1		
Model_2		
Model_3		
Model_4		

Table 2 – Different Model Structures

Model: "Model_1"

Layer (type)	Output Shape	Param #
d1_32 (Dense)	(None, 32)	992512
d2_64 (Dense)	(None, 64)	2112
d3_64 (Dense)	(None, 64)	4160
output (Dense)	(None, 198)	12870

Total params: 1,011,654
Trainable params: 1,011,654
Non-trainable params: 0

Model: "Model_2"

Layer (type)	Output Shape	Param #
d1_32 (Dense)	(None, 32)	992512
d2_64 (Dense)	(None, 64)	2112
Dropout1_0.2 (Dropout)	(None, 64)	0
d3_64 (Dense)	(None, 64)	4160
Dropout2_0.2 (Dropout)	(None, 64)	0
output (Dense)	(None, 198)	12870

Total params: 1,011,654
Trainable params: 1,011,654
Non-trainable params: 0

Model: "Model_3"

Layer (type)	Output Shape	Param #
d1_32 (Dense)	(None, 32)	992512
d2_64 (Dense)	(None, 64)	2112
Dropout1_0.2 (Dropout)	(None, 64)	0
d3_64 (Dense)	(None, 128)	8320
Dropout2_0.2 (Dropout)	(None, 128)	0
d4_64 (Dense)	(None, 64)	8256
Dropout3_0.2 (Dropout)	(None, 64)	0
output (Dense)	(None, 198)	12870

Total params: 1,024,070
Trainable params: 1,024,070
Non-trainable params: 0

Model: "Model_4"

Layer (type)	Output Shape	Param #
d1_32 (Dense)	(None, 32)	992512
d2_64 (Dense)	(None, 64)	2112
d3_64 (Dense)	(None, 128)	8320
d4_64 (Dense)	(None, 64)	8256
output (Dense)	(None, 198)	12870

Total params: 1,024,070
Trainable params: 1,024,070
Non-trainable params: 0

Table 5

Model 2 Types	Epochs	Batch Size	Test Loss	Test Accuracy
K1	10	16	0.4807	0.9202
K2	10	32	0.4634	0.9328
K3	10	256	0.4560	0.9872
K4	10	512	0.5817	0.9796
K5	20	32	0.4800	0.9136
K6	20	128	0.2729	0.9836
K7	20	512	0.3872	0.9889
K8	25	256	0.2391	0.9936

Table 6- Final Model for prediction of Cancer Cell Line

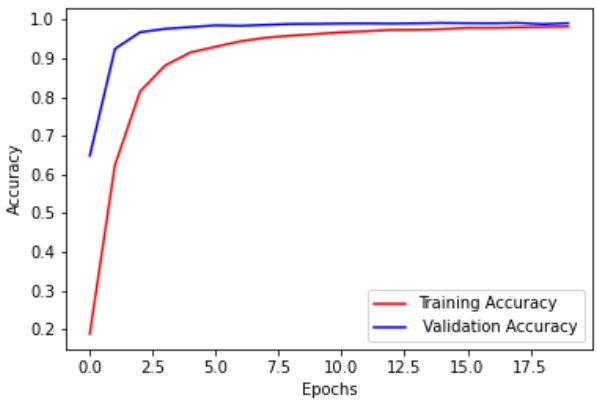
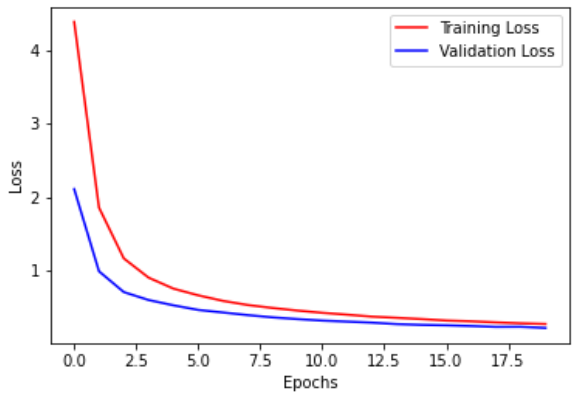
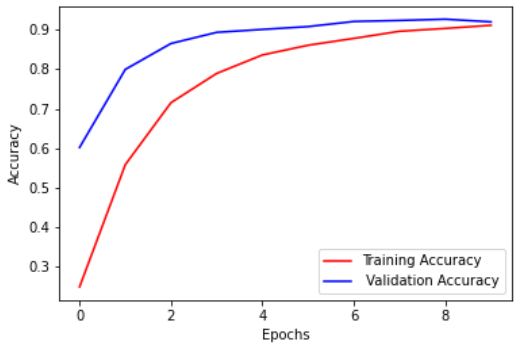
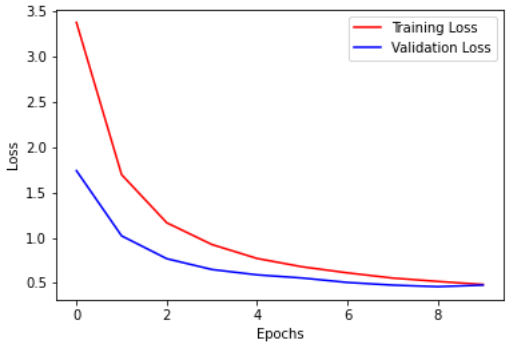
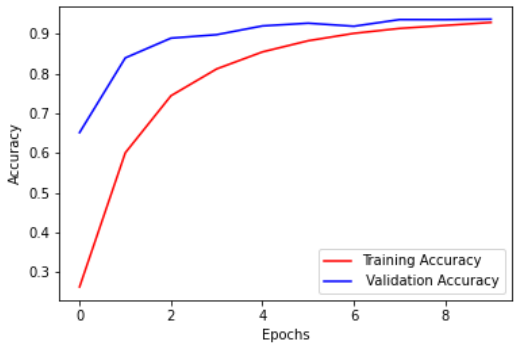
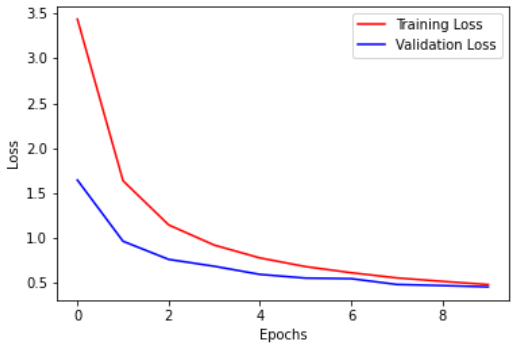
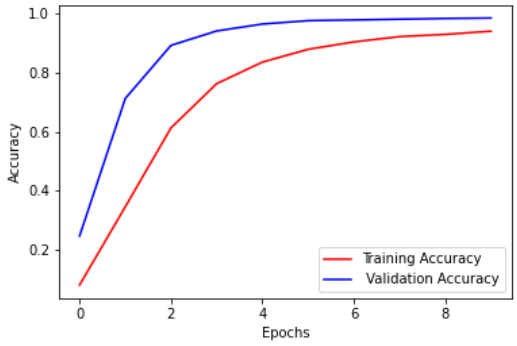
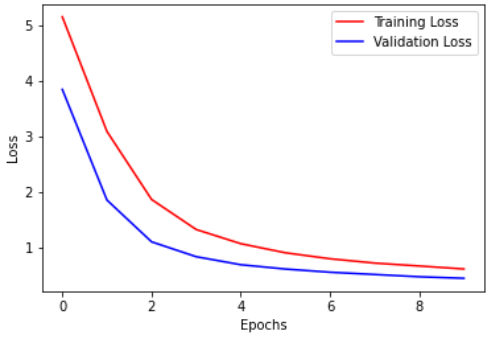
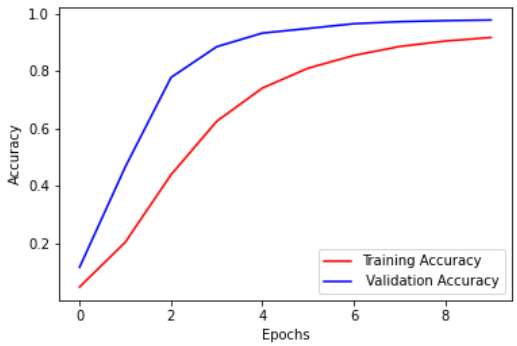
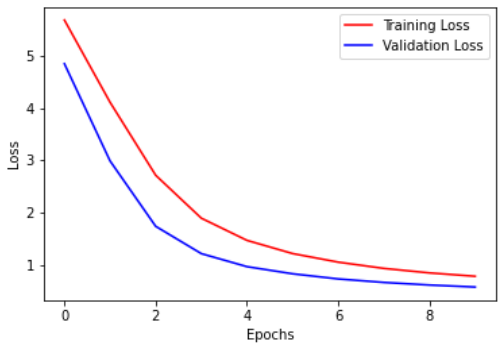
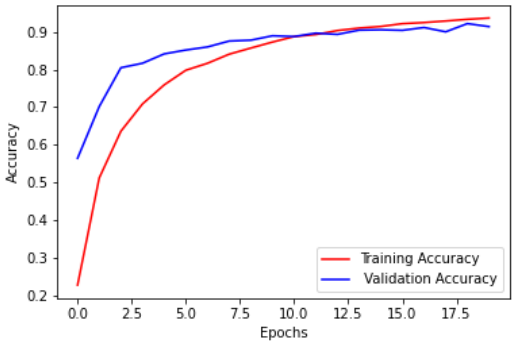
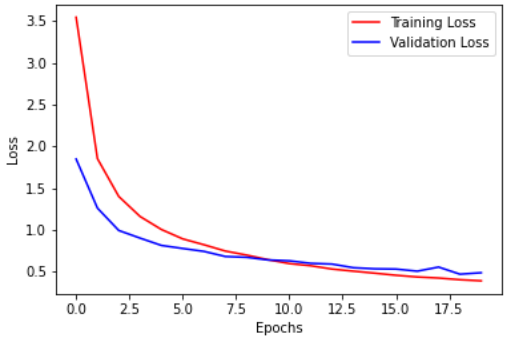
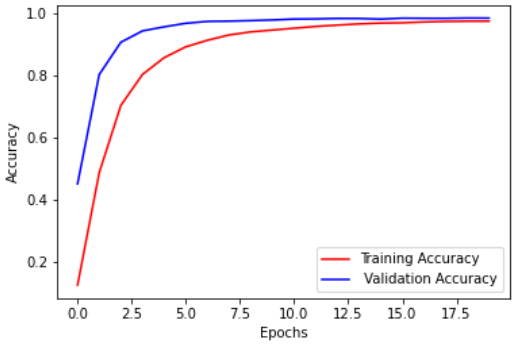
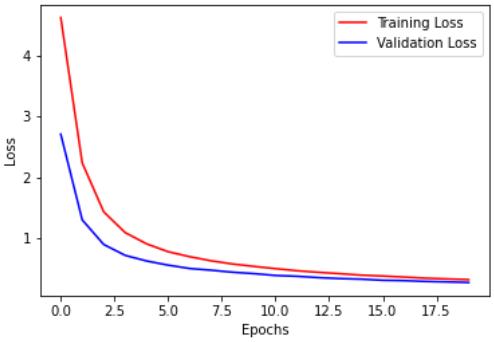
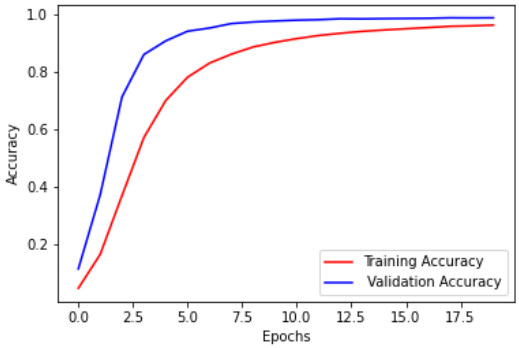
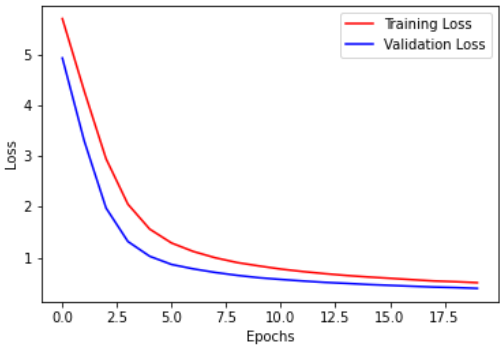
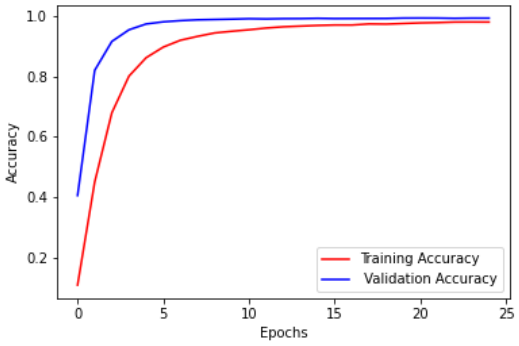
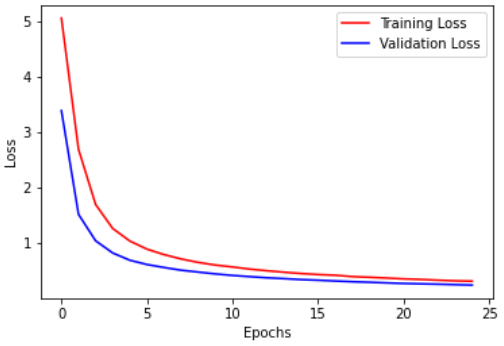
Accuracy	Loss
	

Table 7 Supplementary content

Model 2	Accuracy	Loss
K1		
K2		
K3		
K4		

K5	 Accuracy Epochs Training Accuracy Validation Accuracy	 Loss Epochs Training Loss Validation Loss
K6	 Accuracy Epochs Training Accuracy Validation Accuracy	 Loss Epochs Training Loss Validation Loss
K7	 Accuracy Epochs Training Accuracy Validation Accuracy	 Loss Epochs Training Loss Validation Loss
K8	 Accuracy Epochs Training Accuracy Validation Accuracy	 Loss Epochs Training Loss Validation Loss