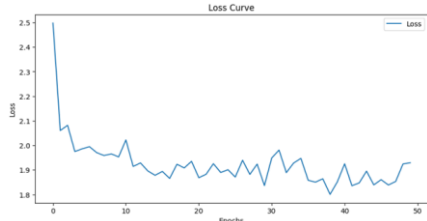
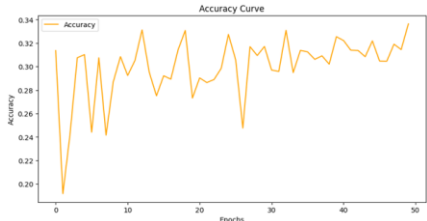
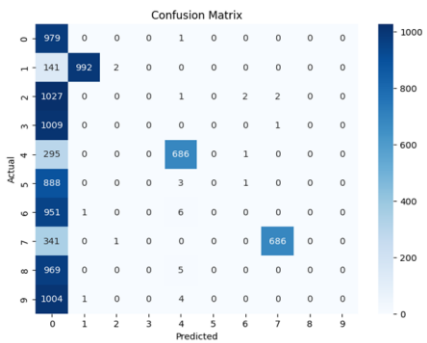
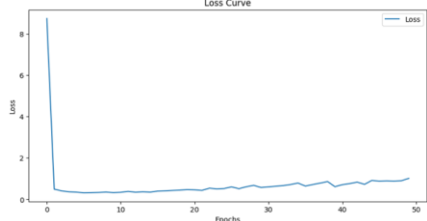
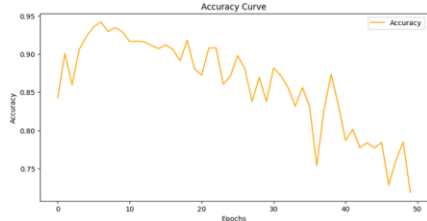
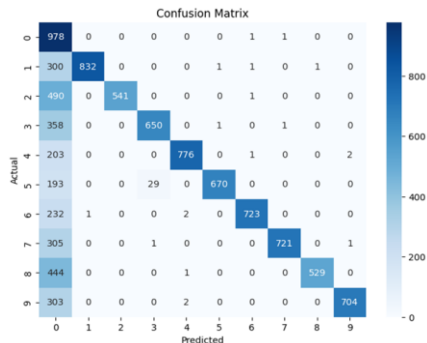
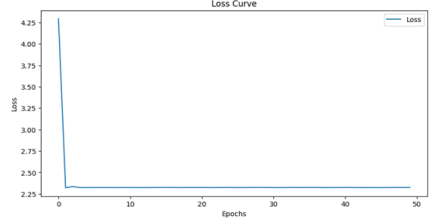
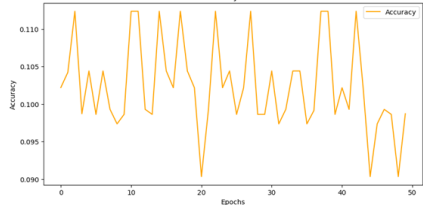
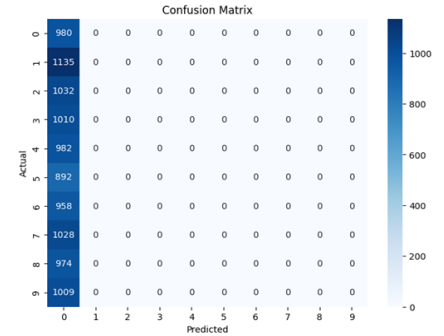
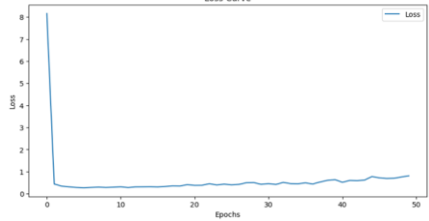
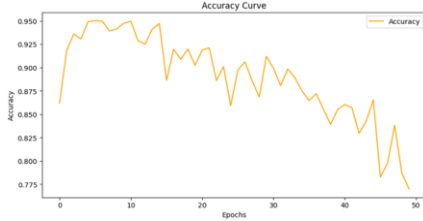
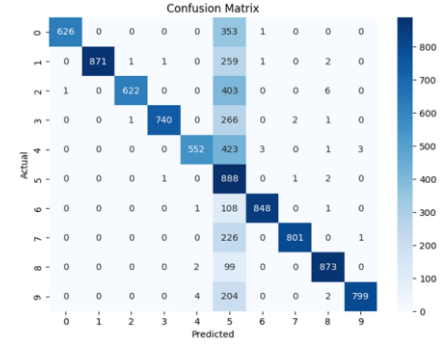
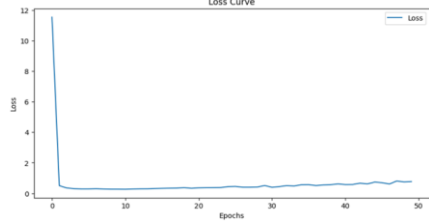
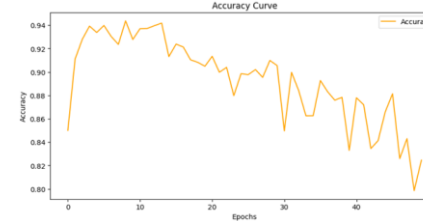
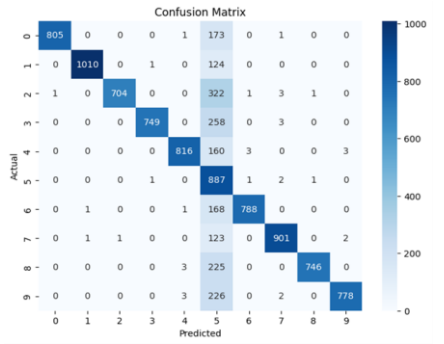
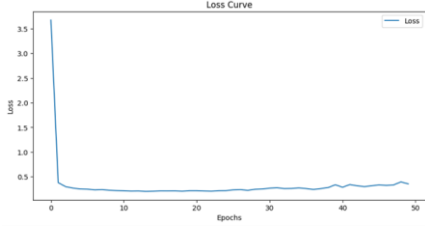
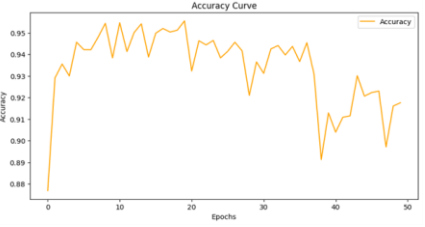
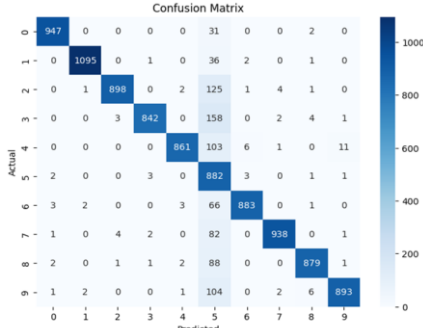
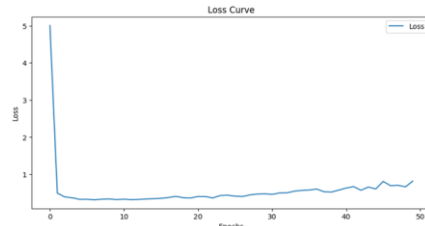
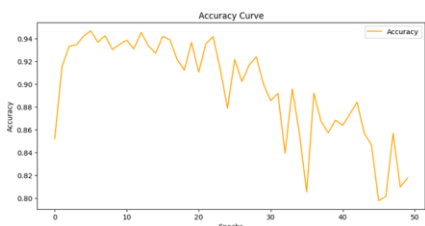
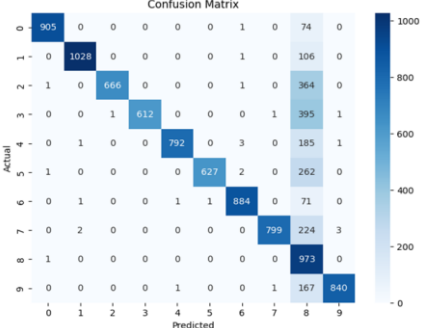
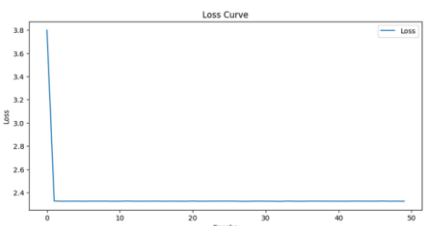
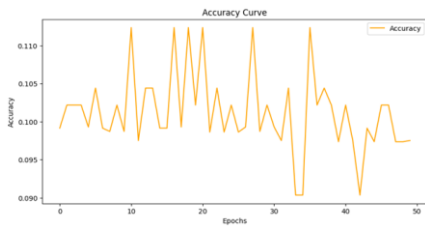
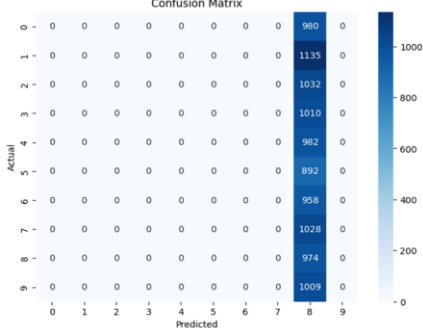
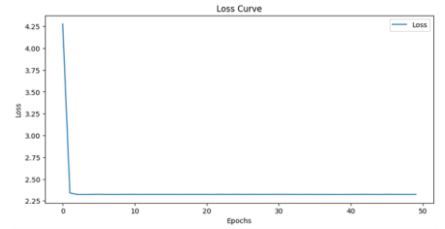
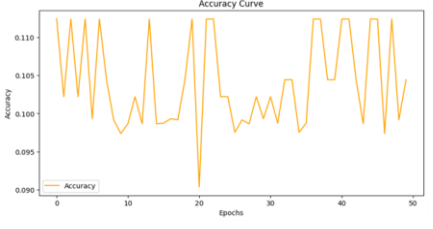
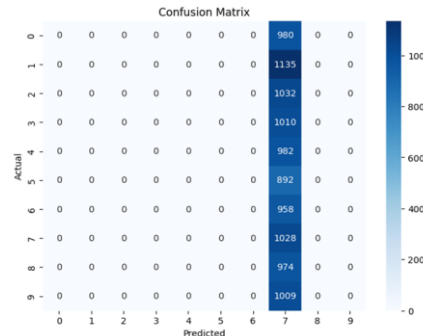
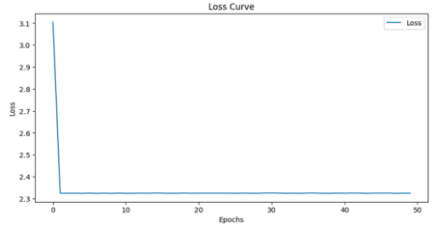
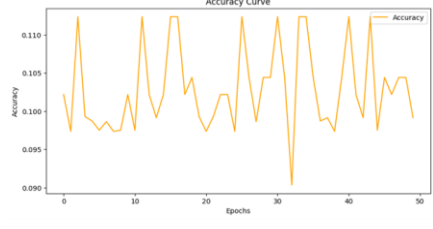
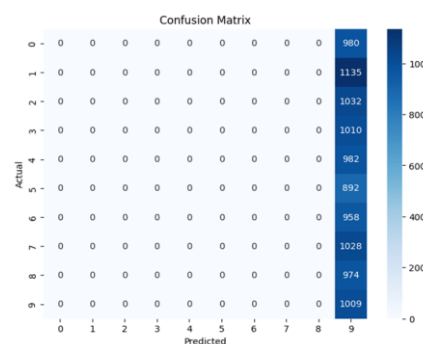
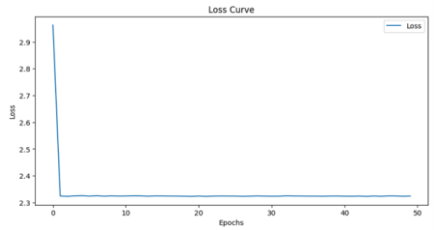
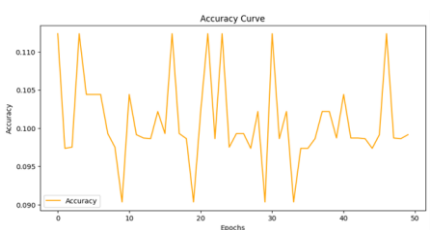
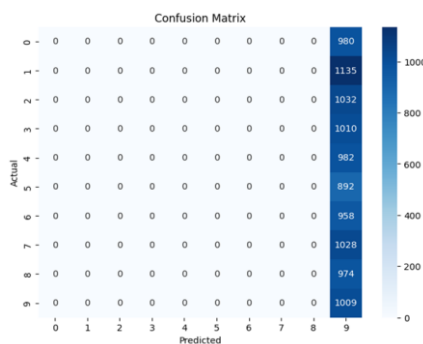


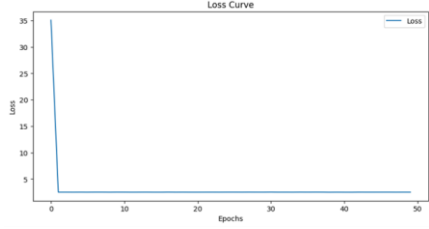
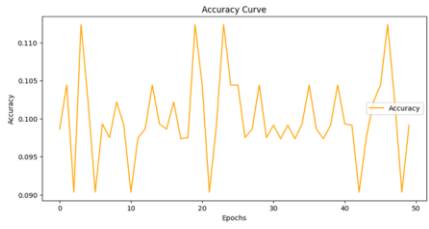
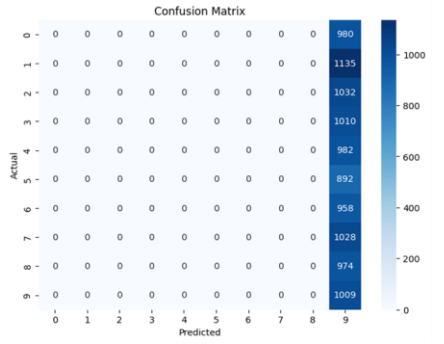
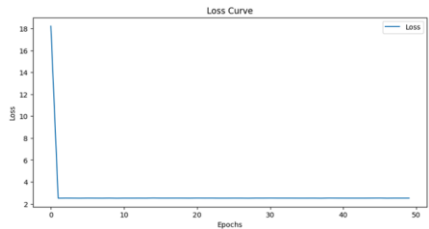
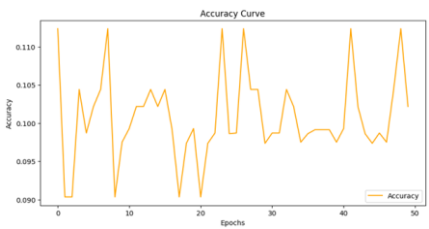
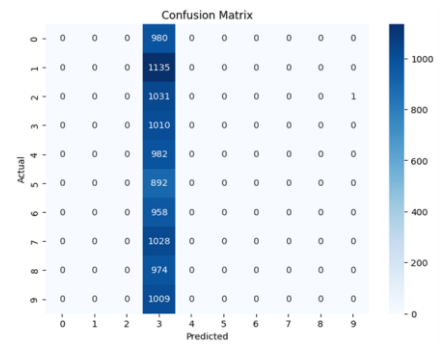
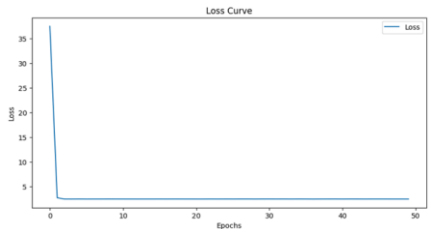
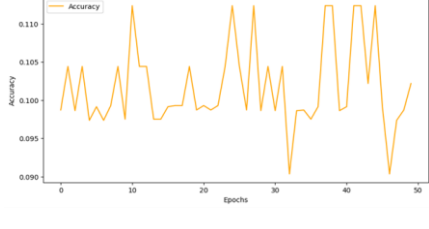
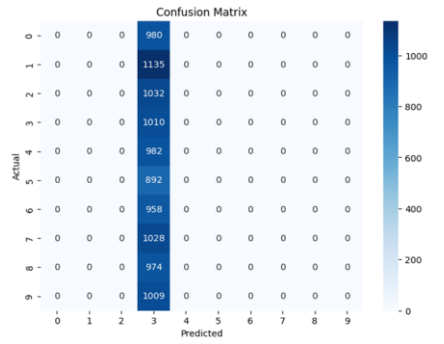
Neural Network Laboratory Experiment 4 Output

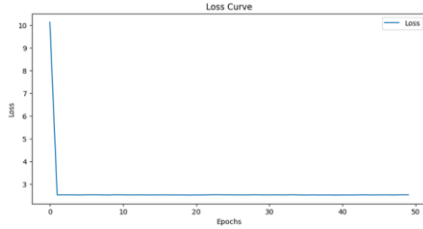
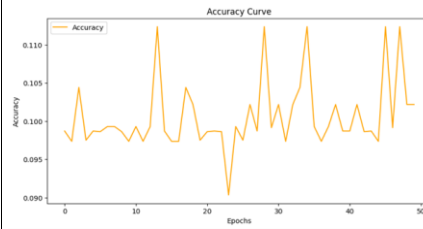
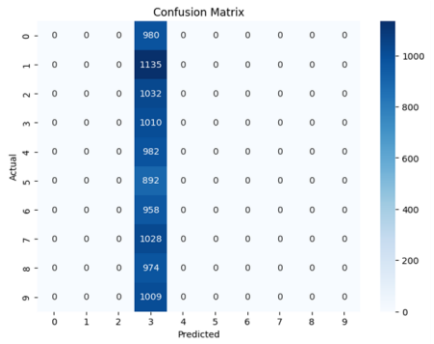
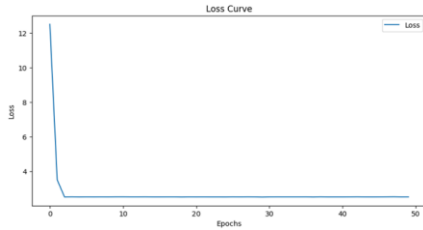
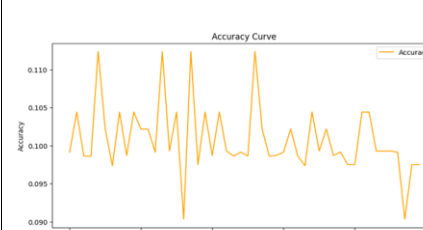
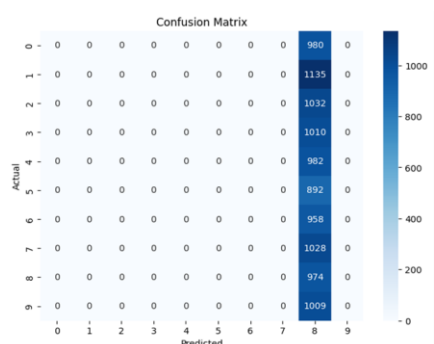
Configuration (hidden layer , learning rate)	Activation func(hidden layer)	Loss Curve	Accuracy Curve	Test Acc(%)	Confusion Matrix	Execution time(sec)
(256) , Learning rate:0.1	ReLU			33.43		10308.36
(160,100) , Learning rate:0.01	ReLU			71.24		12917.53

<div>(160,100) , Learning rate:0.1</div>	<div>ReLU</div>	<div></div>	<div></div>	<div>9.8</div>	<div></div>	<div>13049.02</div>
<div>(100,100) , Learning rate:0.01</div>	<div>ReLU</div>	<div></div>	<div></div>	<div>76.2</div>	<div></div>	<div>13237.71</div>
<div>(100,160) , Learning rate:0.01</div>	<div>ReLU</div>	<div></div>	<div></div>	<div>81.84</div>	<div></div>	<div>12851.49</div>

(60,60) , Learning rate:0.01	ReLU			91.18		12698.1
(100,60) , Learning rate:0.01	ReLU			81.26		13684.63
(100,100) , Learning rate:0.1	ReLU			9.74		12967.63

(100,160) , Learning rate:0.1	ReLU			10.28		13113.71
(60,60) , Learning rate:0.1	ReLU			10.09		13089.31
(100,60) , Learning rate:0.1	ReLU			10.09		13025.74

(160,100) , Learning rate:1.0	ReLU			10.09		13759.51
(100,100) , Learning rate:1.0	ReLU			10.1		14029.63
(100,160) , Learning rate:1.0	ReLU			10.1		14814.75

<div>(60,60) , Learning rate:1.0</div>	<div>ReLU</div>	<div><p>Loss Curve plot showing Loss vs Epochs. The loss starts at approximately 10.5 and drops sharply to about 2.5 by epoch 5, remaining stable thereafter.</p></div>	<div><p>Accuracy Curve plot showing Accuracy vs Epochs. The accuracy fluctuates between 0.095 and 0.110, with peaks around epoch 15, 25, 35, and 45.</p></div>	<div>10.1</div>	<div><p>Confusion Matrix plot showing Actual vs Predicted counts. The diagonal elements are high, indicating good classification performance.</p></div>	<div>14831.84</div>
<div>(100,60) , Learning rate:1.0</div>	<div>ReLU</div>	<div><p>Loss Curve plot showing Loss vs Epochs. The loss starts at approximately 12.5 and drops sharply to about 3.5 by epoch 5, remaining stable thereafter.</p></div>	<div><p>Accuracy Curve plot showing Accuracy vs Epochs. The accuracy fluctuates between 0.095 and 0.110, with peaks around epoch 15, 25, 35, and 45.</p></div>	<div>9.74</div>	<div><p>Confusion Matrix plot showing Actual vs Predicted counts. The diagonal elements are high, indicating good classification performance.</p></div>	<div>14485.23</div>