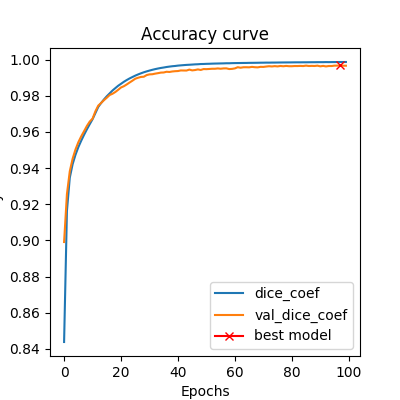
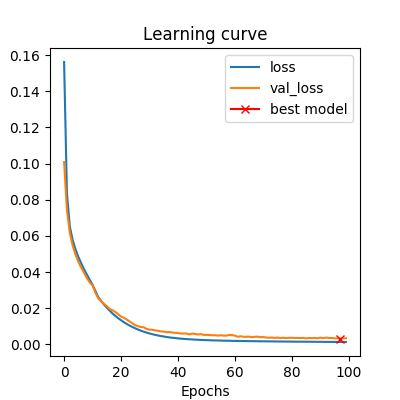
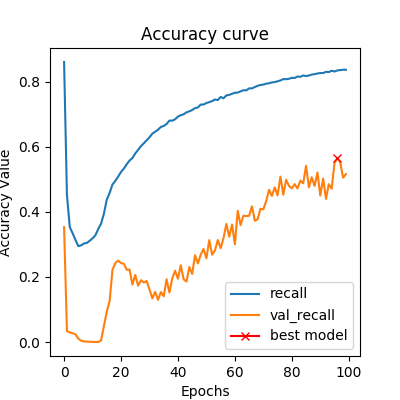
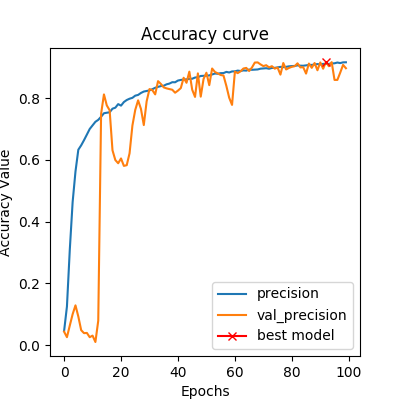
Lab 4

Task 1

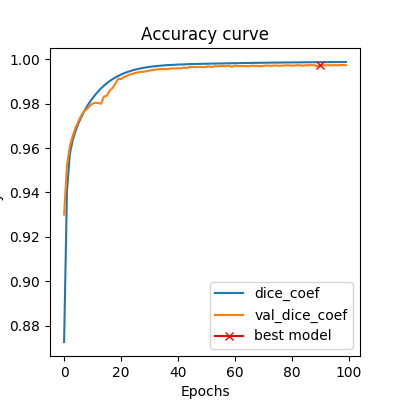
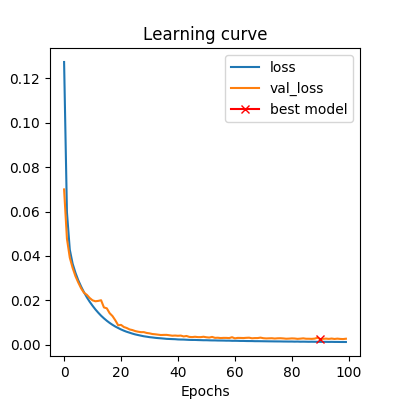
Training U-Net using three-fold cross validation on the brain tumor MRI dataset.

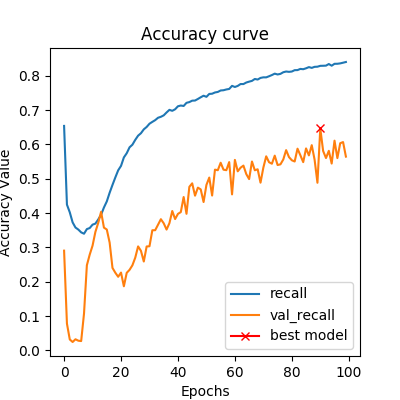
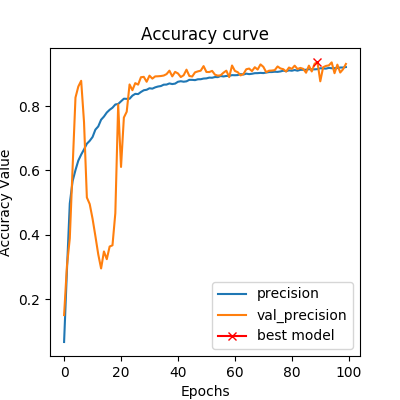
First Fold - Dice Coefficient First Fold - Loss Curve

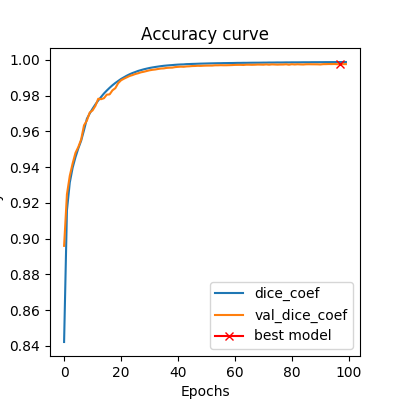
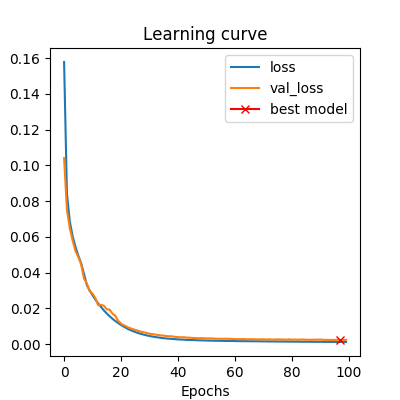
First Fold - Recall First Fold - Precision

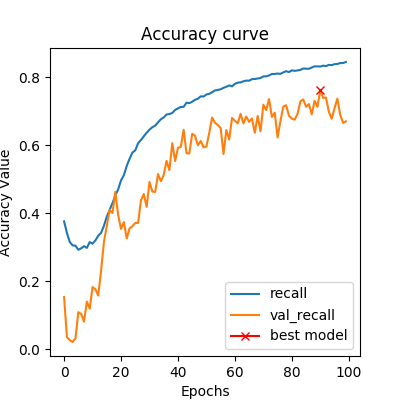
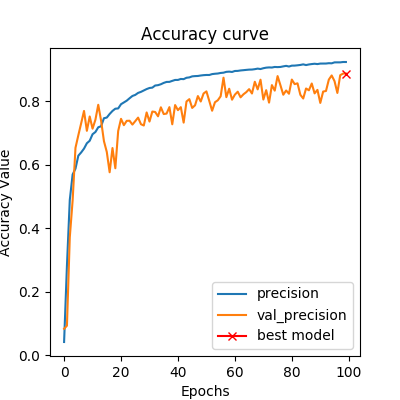
Second Fold – Dice Coefficient Second Fold – Loss Curve

Second Fold – Recall Second Fold – Precision

Third Fold – Dice Coefficient Third Fold – Loss Curve

Third Fold – Recall Third Fold – Precision

As we can observe from the Accuracy curves (dice coefficient), the perfomance is consistant across all folds. While using cross validation, the final performance measure is an average of the model- perfomances acorss all the folds.