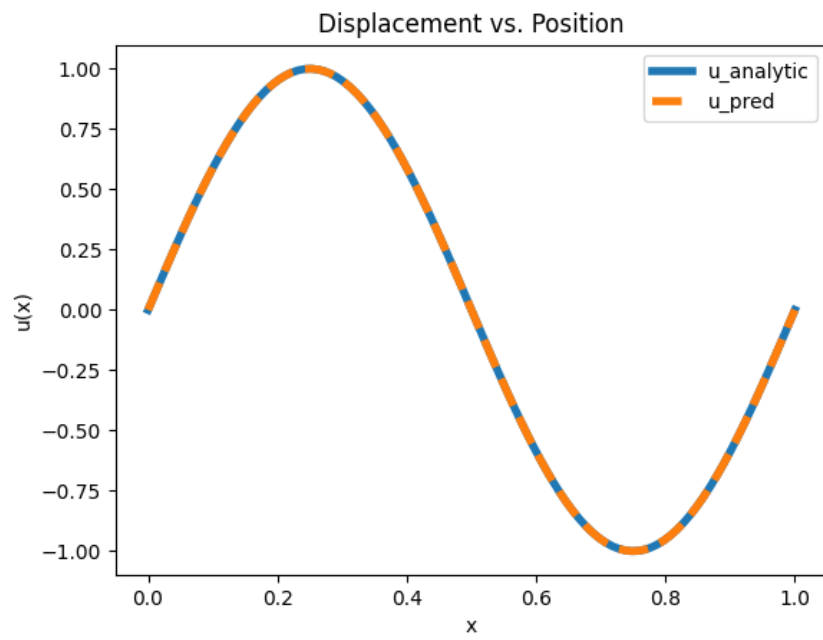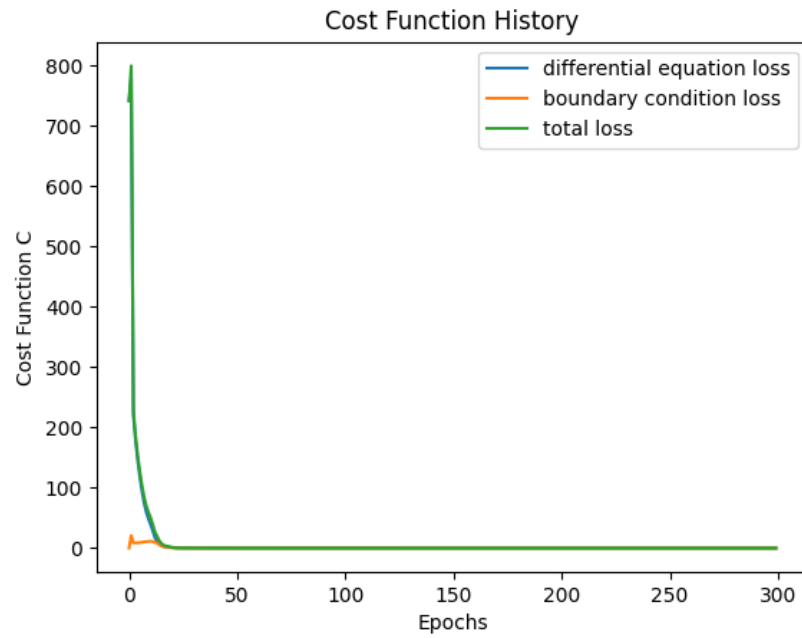# Assignment 6

Problem: 1

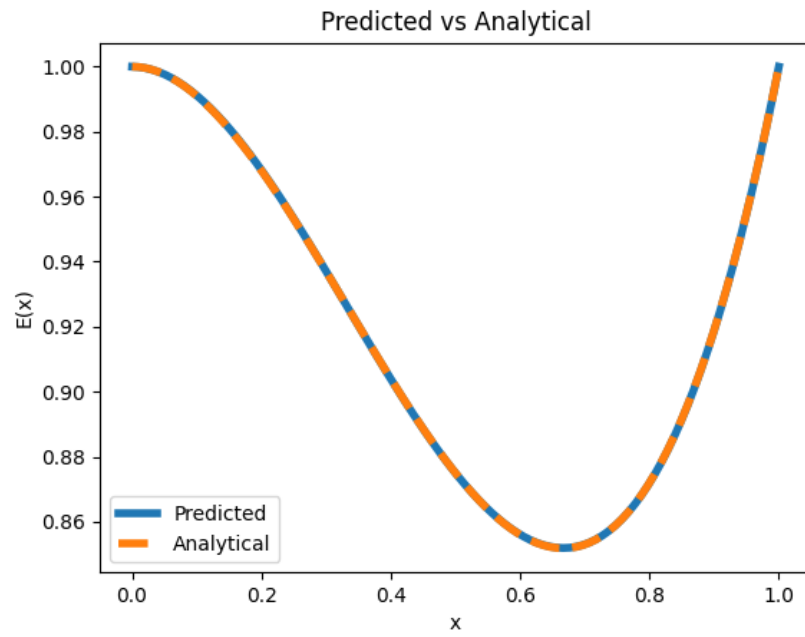

This is Displacement vs Position graph for Displacement vs x for both Predicted and Actual values. Here Analytical Solution is $u(x) = \sin(2\pi x)$
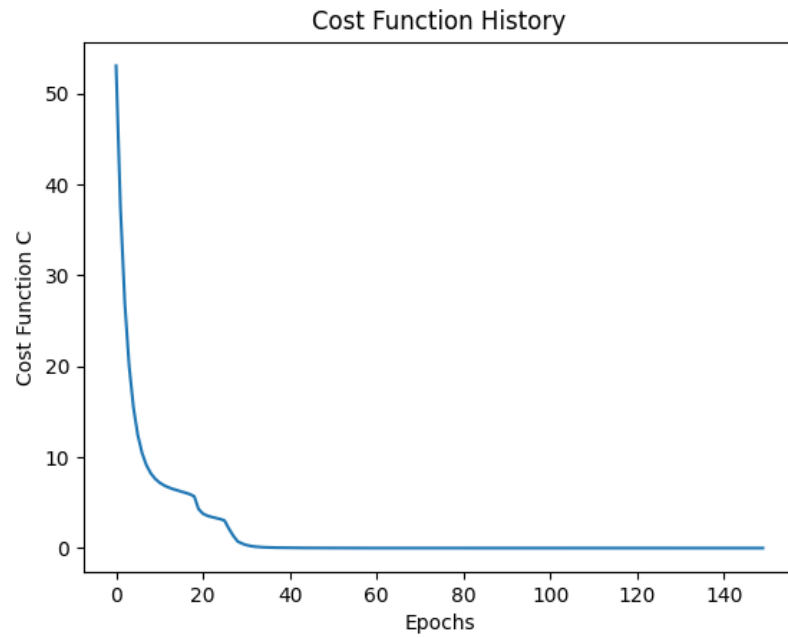
Cost Function History

This is the Plot of the Different types of Loss Functions while training the model.

Problem: 2

This the plot of E(x) vs x for both Predicted and Actual values. Here Analytical Solution is $E(x) = x^3 - x^2 + 1$

Cost Function History

This is the Plot of the Differential Loss/Total Loss vs Epochs as here we don't have any Boundary Loss.