

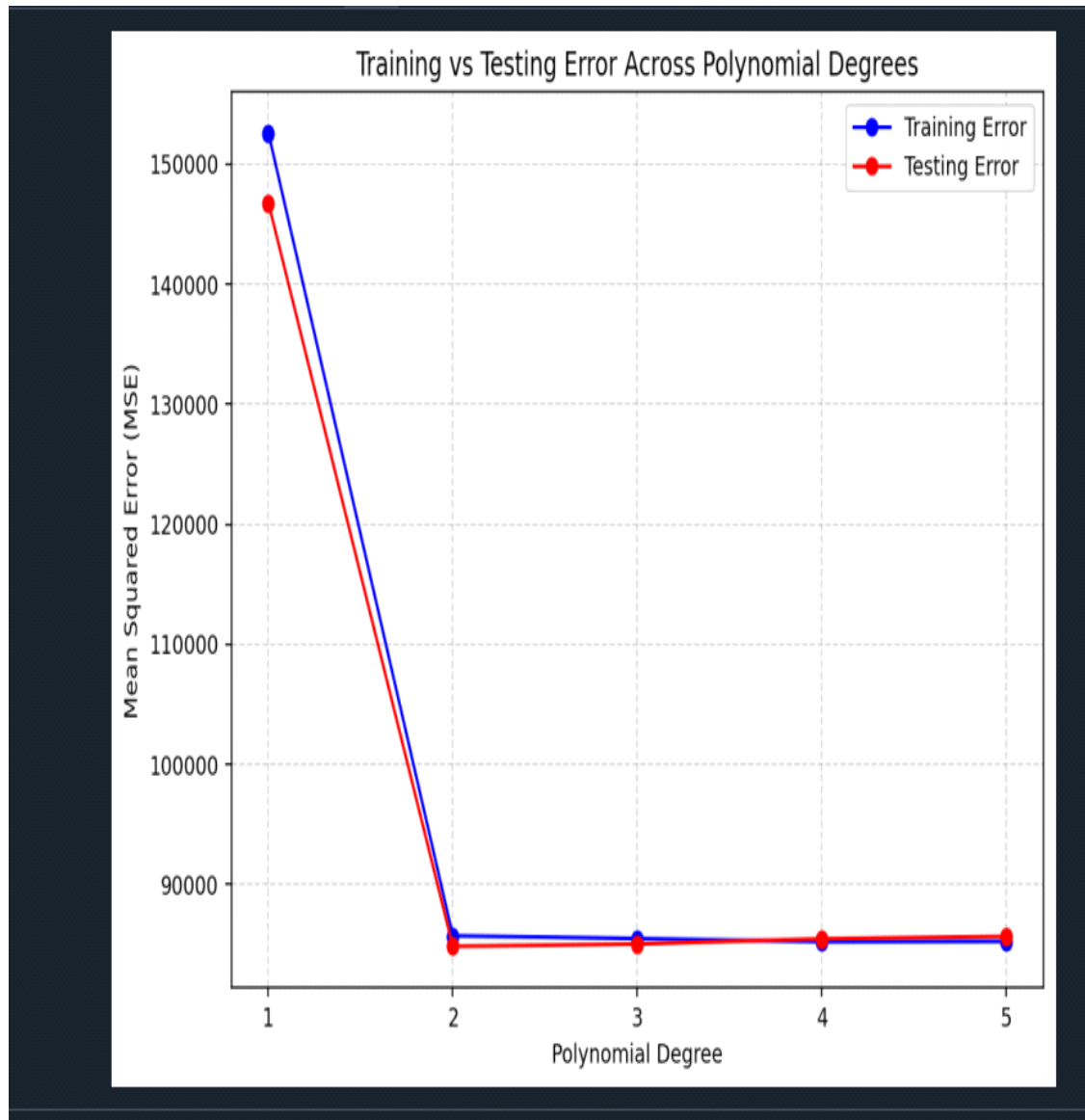
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**Plotted Graph :**



## **Final Conclusion :**

When the degree of the model is increased, the model complexity is also increased as shown in the above plot , this meaning the “ Overfitting” situation will happen definitely , and this is can see in the figure when degree is increased the “ MSE(mean square error )” is decreased , this means Overfitting is happen which is meaning the model complexity is increased.