**Department of Computer science and Engineering**

**Mandsaur University Mandsaur**

**Assignment no. 1**

**24CSE5501T Deep Learning**

**Q1. Define bias, variance, and explain the bias-variance tradeoff with a diagram. How does regularization help in minimizing overfitting?**

**Q2. Describe the history and evolution of deep learning. Also mention at least three major applications and three challenges of deep learning in real-world systems.**

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