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| **Sr No.** | **PRACTICAL NAME** | **DATE** | **SIGN** |
| **1** | Implement the Following:   1. Design a simple linear neural network. 2. Calculate the output of neural network using both binary and bipolar. |  |  |
| **2** | Implement the following:   1. Generate AND/NOT function using McCulloch-Pitts neural net. 2. Generate XOR function using McCulloch-Pitts neural net. |  |  |
| **3** | Implement the Following:   1. Write a program to implement Hebb’s rule. 2. Write a program to implement of delta rule. |  |  |
| **4** | Implement the Following:   1. Write a python Program for back propagation algorithm. 2. Write a python Program for error back propagation algorithm. |  |  |
| **5** | Implement the Following:   1. Write a program for Hopfield Network. 2. Write a program for Radial Basis function. |  |  |
| **6** | Implement the Following:   1. Kohonen Self organzing map 2. Adaptive resonance theory |  |  |
| **7** | Implement the Following:   1. Write a program for Linear separation. 2. WAP for Hopfield network model for associative memory. |  |  |
| **8** | Implement the Following:   1. Membership and Identity Operators | in, not in, 2. Membership and Identity Operatorsis, is not |  |  |
| **9** | Implement the Following:   1. Find ratios using fuzzy logic 2. Solve Tipping problem using fuzzy logic |  |  |
| **10** | Implement the Following:   1. Implementation of Simple genetic algorithm 2. Create two classes: City and Fitness using Genetic algorithm |  |  |