1. Design a distributed application using RPC for remote computation where client submitsan integer value to the server and server calculates factorial and returns the result to the client.

2. Distributed String Concatenation Application using RMI  
Design a distributed application using RMI for remote computation where client submits two strings to the server and server returns the concatenation of the given strings

3. Distributed Application using MapReduce for Text Analysis

Design a distributed application using Map Reduce under Hadoop for: a) Character counting in a given text file. b) Counting no. of occurrences of every word in a given text file.

4. Design and implement Implement Union, Intersection, Complement and Difference operations on fuzzy sets. Also create fuzzy relations by Cartesian product of any two fuzzy sets and perform max-min composition on any two fuzzy relations.  
  
Design and implement a CNN for Image Classification a) Select a suitable image classification dataset (medical imaging, agricultural, etc.). b) Optimized with different hyper-parameters including learningrate, filter size, no. of layers, optimizers, dropouts, etc  
  
5. Design and implement Optimization of genetic algorithm parameter in hybrid genetic algorithm-neural network modelling: Application to spray drying of coconut milk.  
  
Optimization of genetic algorithm parameter in hybrid genetic algorithm-neural network modelling: Application to spray drying of coconut milk.  
  
6. Implementation of Clonal selection algorithm using Python.

7. title- To apply the artificial immune pattern recognition to perform a task of structure damage Classification.  
  
problem statement- Develop an artificial immune pattern recognition system for the task of structural damage classification.  
  
8. Title- Implement DEAP (Distributed Evolutionary Algorithms) using Python

Problem statement- . Develop a distributed evolutionary algorithm using DEAP (Distributed Evolutionary Algorithms in Python) to optimize a complex problem that requires intensive computational resources.

9. title- Design and develop a distributed Hotel booking application using Java RMI. A distributed hotel booking system consists of the hotel server and the client machines. The server manages hotel rooms booking information. A customer can invoke the following operations at his machine i) Book the room for the specific guest ii) Cancel the booking of a guest.

problem statement- Design and develop a distributed Hotel booking application using Java RMI, consisting of a server managing hotel room booking information and clients able to book or cancel rooms for guests.  
  
10 title- Design and develop a distributed application to find the coolest/hottest year from the available weather data. Use weather data from the Internet and process it using Map Reduce.  
  
problem statement- Develop a distributed application using Map Reduce to analyze weather datafrom the Internet and determine the coolest or hottest year based on temperature readings.