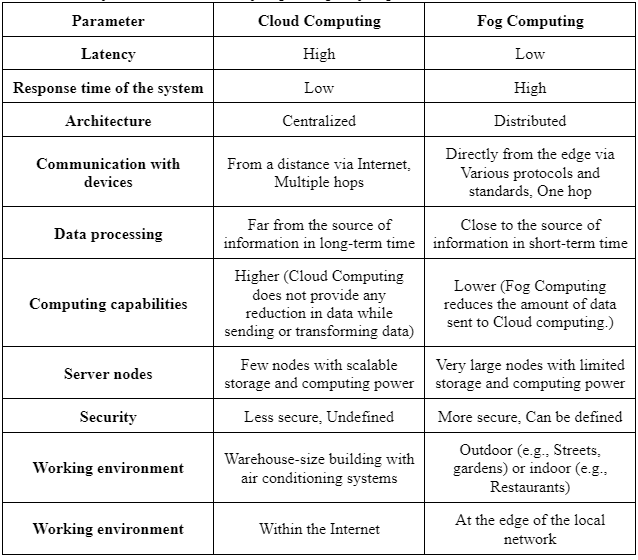
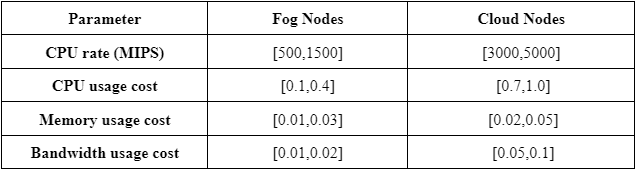
**Introduction:**

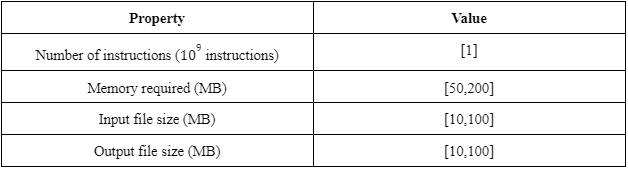
**Table 1.** Comparison between Cloud computing and Fog computing.



**Table 2. Properties of the nodes.**

****

**Table 3. Properties of the tasks to be assigned.**

****

**Task Allocation**

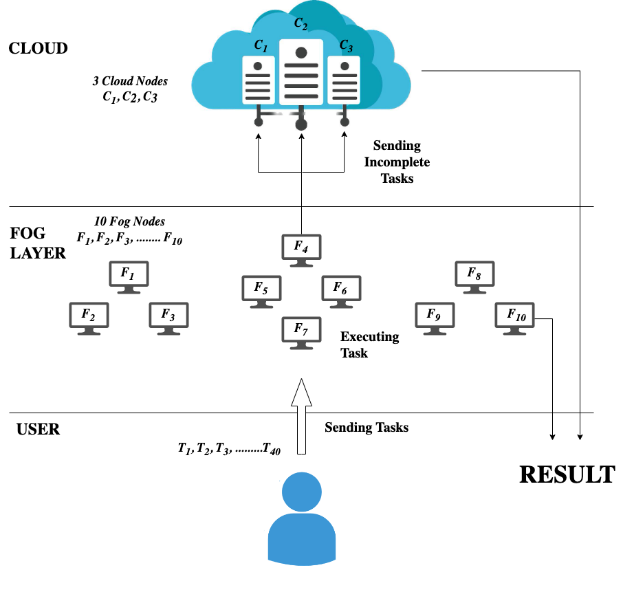


Fig 1. Proposed Vehicular Fog Computing Architecture

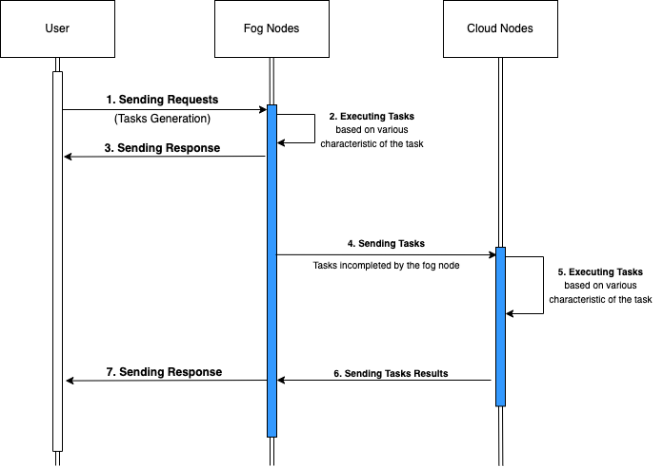


Fig 2. Implemented Task Allocation in Vehicular Fog Computing

**Implementation**

1. **Genetic Algorithm**

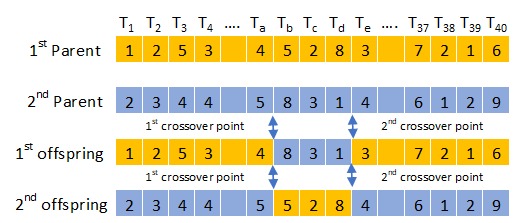


Fig 3. Genetic Crossover Operator

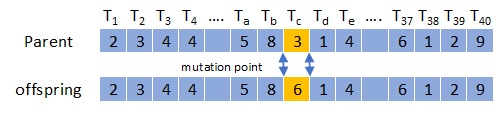


Fig 4. Mutation Operator

1. **PSO**

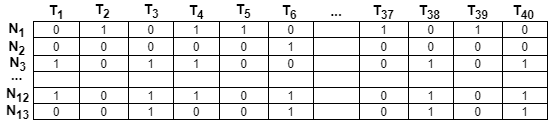


Fig 5. Velocity Matrix

**Result**

1. **GA**

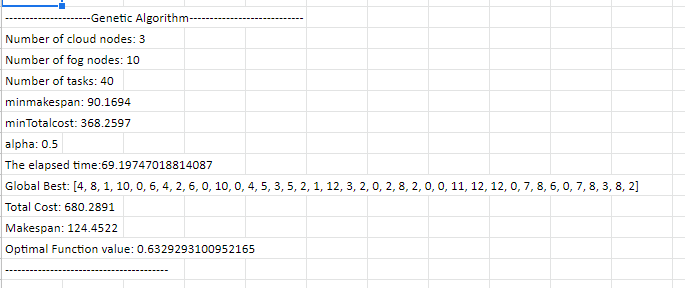


Fig 6. Implementation Output for Genetic Algorithm

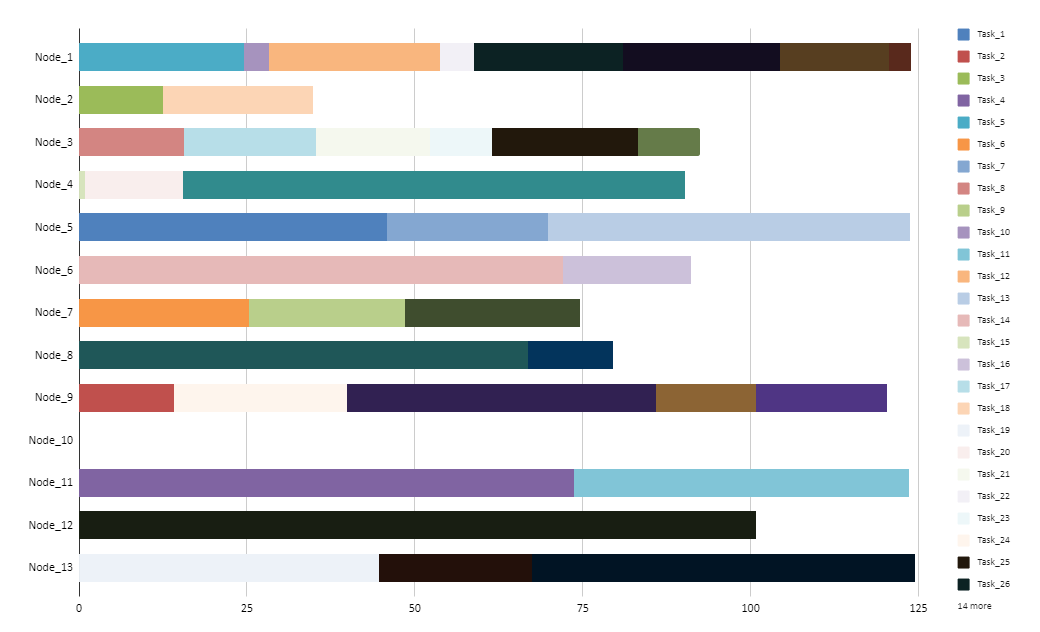


Fig 7. Gantt Chart for Genetic Algorithm

1. **PSO**

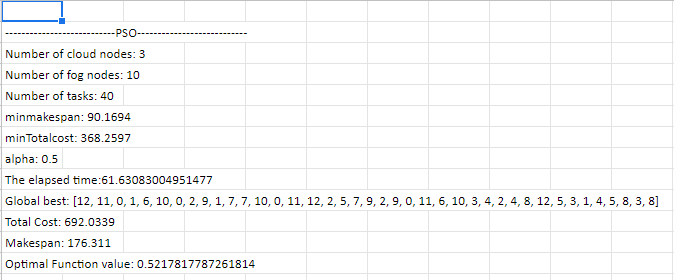


Fig 8. Implementation Output for Modified Particle Swarm Optimization

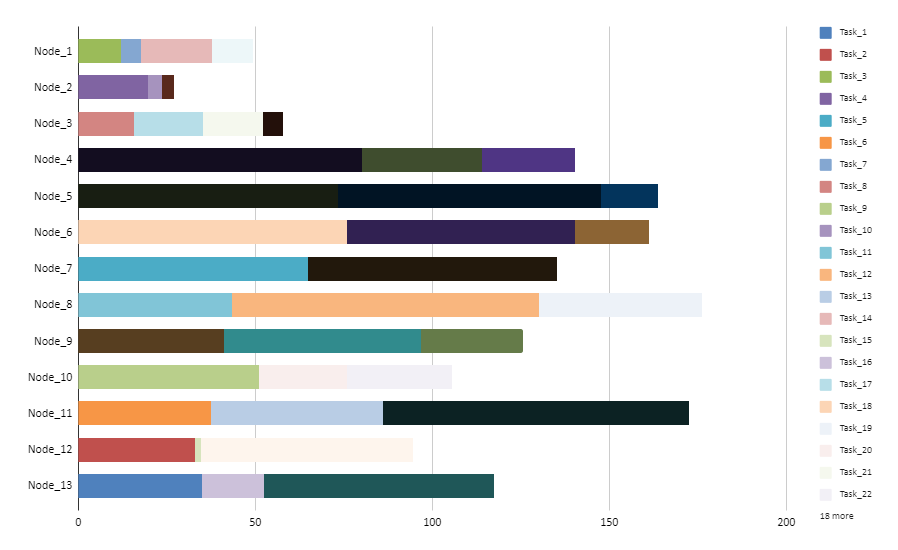
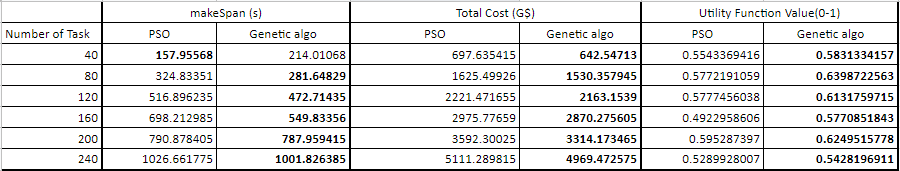


Fig 9. Gantt Chart for Modified Particle Swarm Optimization

**Analysis**

1. **Comparative Analysis**

**Table 4. Comparative Analysis Between GA and MPSO.**

****

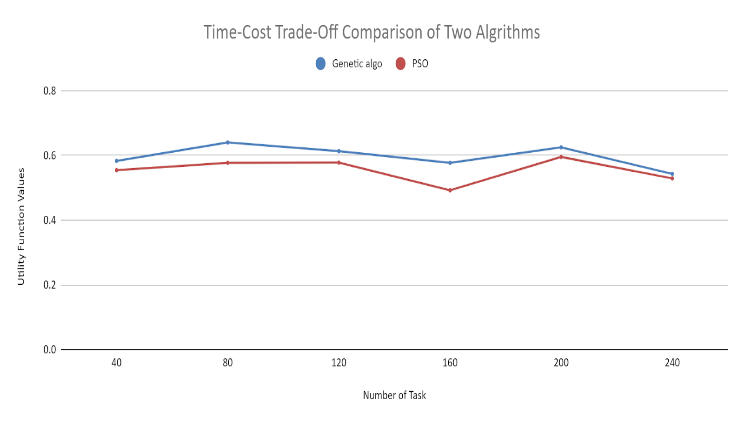
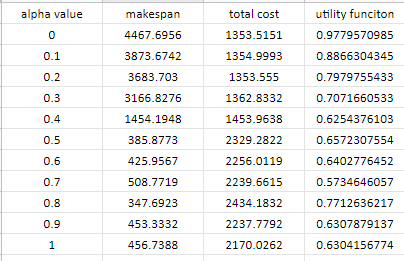


Fig 10. Graphical Representation for Comparative Analysis

1. **Alpha Comparison for Genetic Algorithm**

**Table 5. Alpha Value Comparison for Genetic Algorithm.**

****

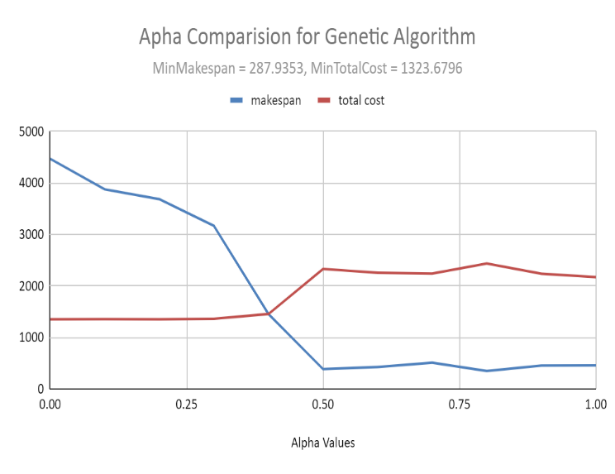
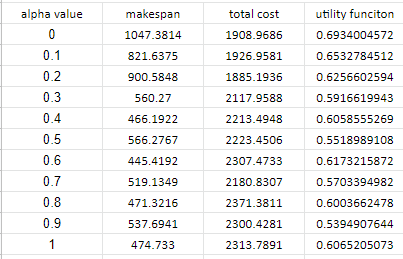


Fig 11. Graphical Representation for Alpha Comparison of GA

1. **Alpha Comparison for Modified Particle Swarm Optimization**

**Table 6. Alpha Value Comparison for Modified Particle Swarm Optimization**

****

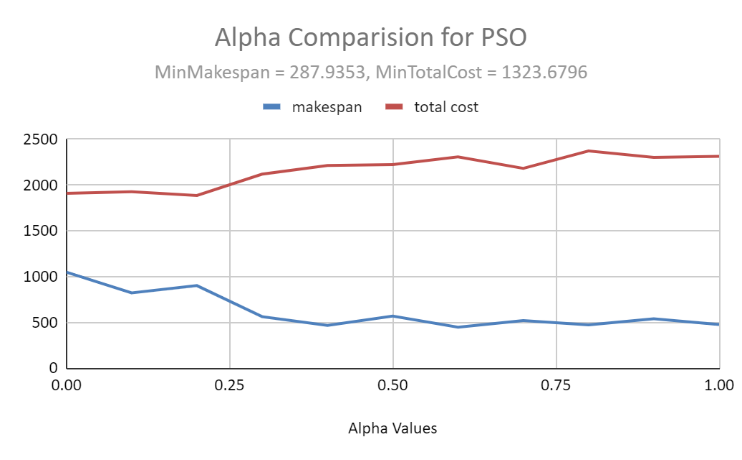


Fig 12. Graphical Representation for Alpha Comparison of MPSO