Habib University Computational Intelligence - CS 451

Assignment 02 - Report Swarm Intelligence



Instructor: Dr. Saleha Raza

Ali Muhammad Asad - aa07190 Dua Batool - db07098

Contents

1	Que	estion 1 - Graph Coloring Problem using Ant Colony Optimization
	1.1	Introduction to Graph Coloring Problem
	1.2	Problem Formulation
	1.3	Implementation of the Ant Colony Optimization Algorithm
		1.3.1 Parameters
		1.3.2 Graph Class
		1.3.3 Ant Class
		1.3.4 Ant Colony Class
	1.4	Results and Analysis

1 Question 1 - Graph Coloring Problem using Ant Colony Optimization

- 1.1 Introduction to Graph Coloring Problem
- 1.2 Problem Formulation
- 1.3 Implementation of the Ant Colony Optimization Algorithm
- 1.3.1 Parameters
- 1.3.2 Graph Class
- 1.3.3 Ant Class
- 1.3.4 Ant Colony Class
- 1.4 Results and Analysis