

Artificial Intelligence Lab (CS 236)

Practice Assignment - 7

1. Implement Genetic Algorithm to maximize the following function:

$$f(x)=2x^2+1; \text{ where } 0 \leq x \leq 6$$

2. Implement Genetic Algorithm for the following problem:

Divide the N students in k groups based on their marks in the course of artificial intelligence such that diversity in each group is minimised. After convergence, report the group assignment number of each student (along with the diversity value in each group).