Assignment 03

Subject: Artificial Intelligence-AI3151

Instructor: Aqsa Kiran

Dead Line: 22nd January, 2021

Note:
1. **Submit a zip word file (proper problem description, code executed screen shots, code) on submission id only with proper subject.**
2. **A comprehensive viva will be conducted to assess the task understanding.**

Implement any of the following problem using the two of Local Search techniques AKA Optimized search techniques Hill Climbing, Genetic Algorithm. Compare their criteria (Completeness, Optimality, Time Complexity, Space Complexity) against each other.

Root Finding
8-Puzzle
8-Queen
Game Search
VLSI layout
- The decision of placement of silicon chips on breadboards is very complex. (or standard gates on a chip).

- • This includes
cell layout
channel routing
- • The goal is to place the chips without overlap.
- • Finding the best way to route the wires between the chips becomes a search problem.

(Students can even choose a problem of their choice but that must be implemented with proper understanding.)