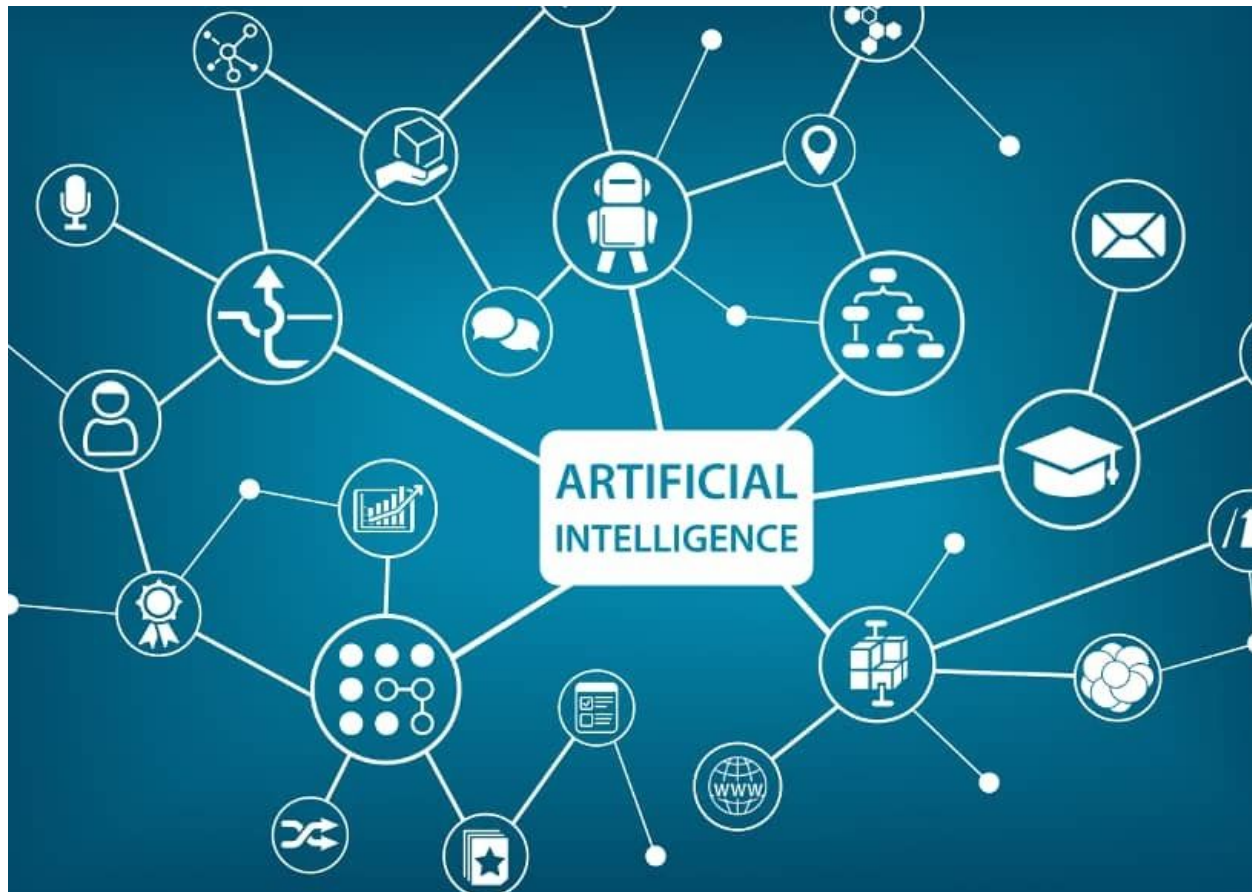ARTIFICIAL iNTELLIGENCE

# ASSIGNMENT-2 REPORT
## GENETIC ALGORITHM AND N-QUEENS PROBLEM

**EISHA TIR RAAZIA**

**17K-3730**

**SECTION C**

# GENETIC ALGORITHM

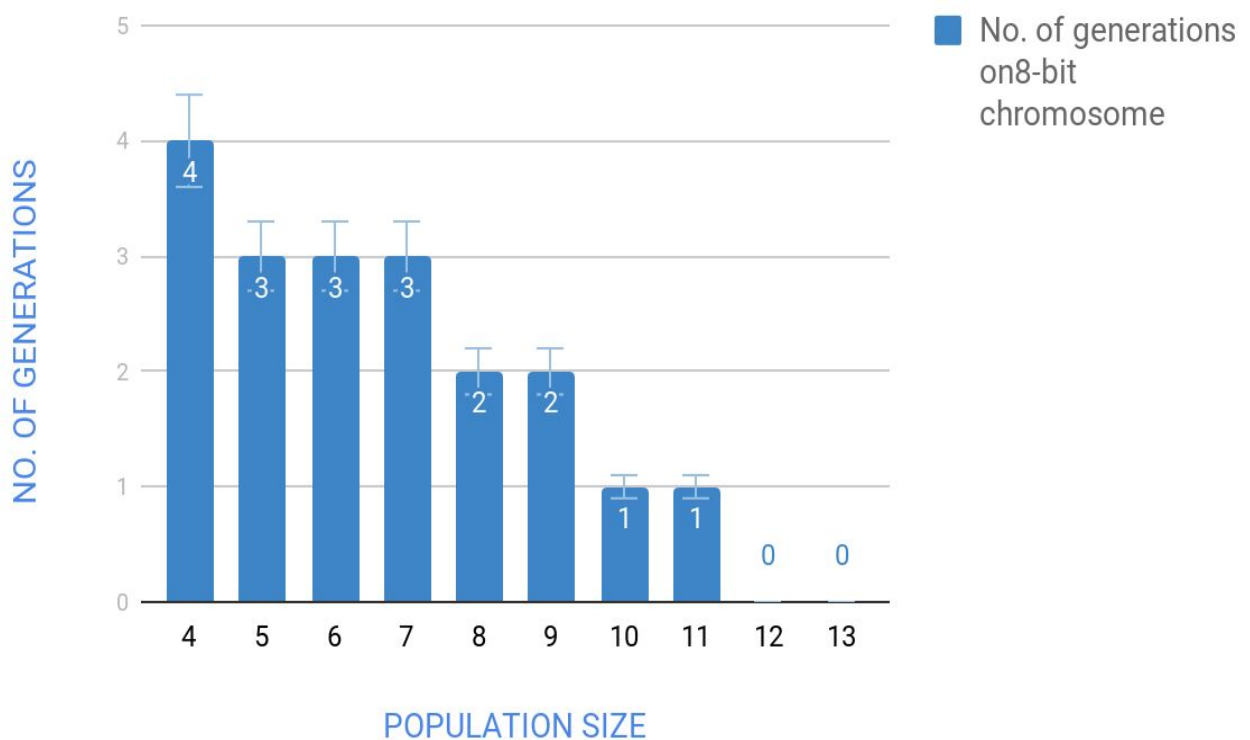Five phases are considered in a genetic algorithm.

- Initial population
- Fitness function
- Selection
- Crossover
- Mutation

**(CODE SUBMITTED)**
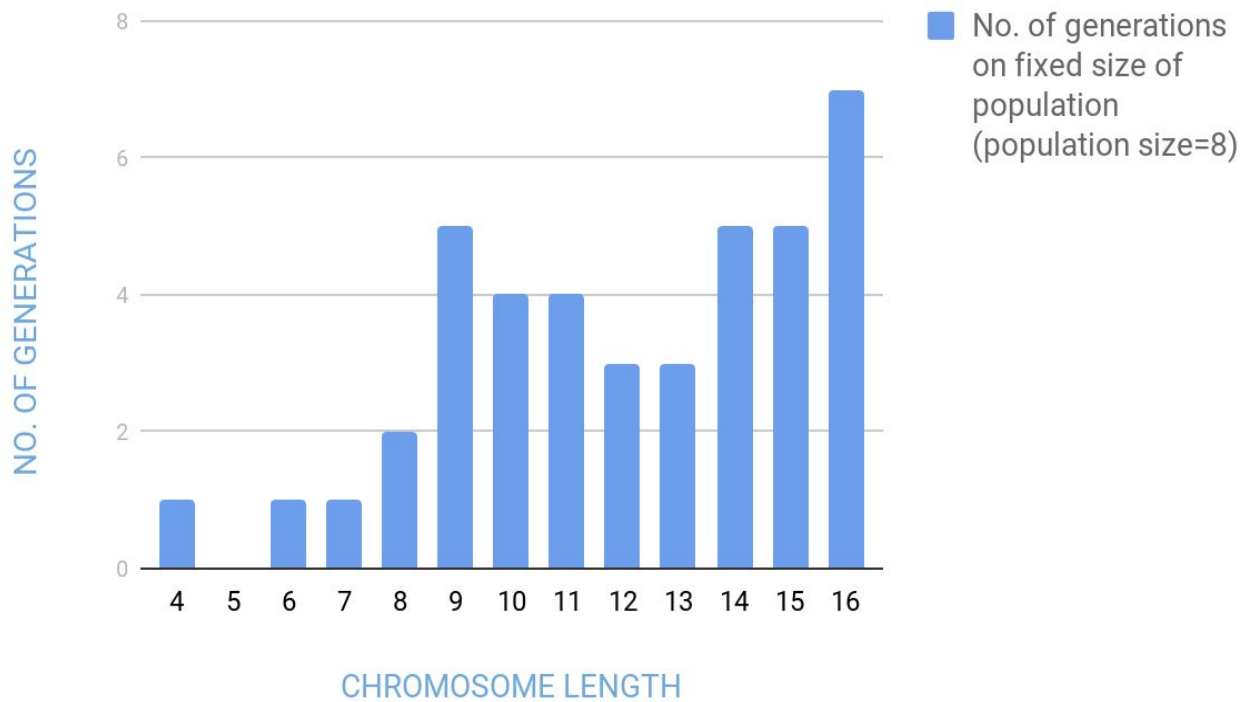

## GRAPHICAL REPRESENTATION

## GRAPH-1

### VARIED NUMBER OF POPULATION

**GRAPH-2**

## VARIED CHROMOSOME BITS



# N-QUEENS PROBLEM

**(CODE SUBMITTED)**