

## Task 1

- Every subject Must Contain

- Definition
- Mechanism
- Types and comparison
- Mathematical Formulation & Example
- Flowchart
- Pseudo code
- Advantages & Disadvantages
- Conclusion
- References

## Task 2

- How to generate initial population in genetic algorithm
- Compare Between Different GA Strategies
  - Simple Genetic Algorithm (SGA)
  - Steady State Genetic Algorithm (SSGA)
  - Messy Genetic Algorithm (MGA)