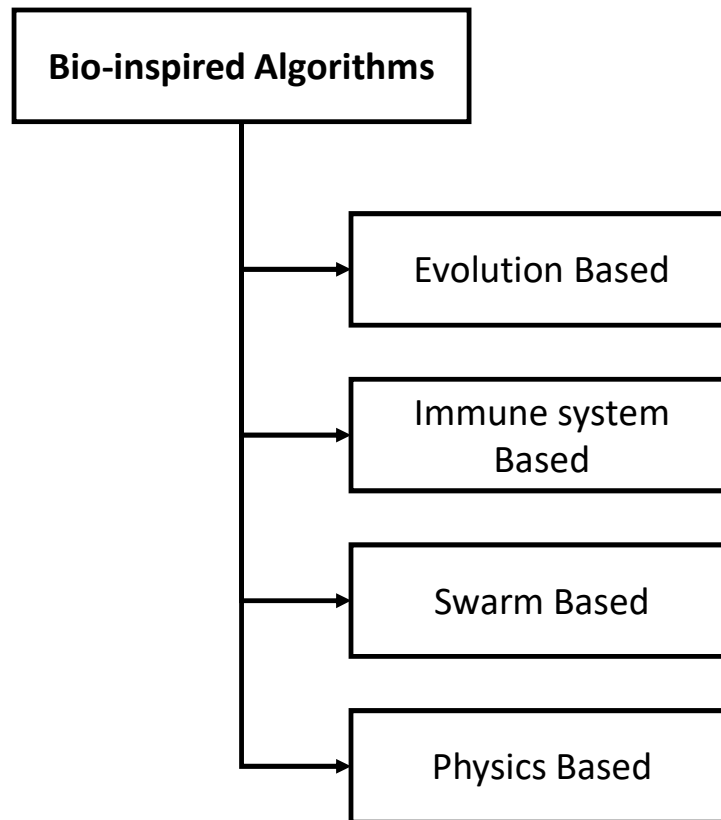# Bio-inspired Algorithms

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Bio-inspired Algorithms

Bio-inspired optimization algorithms are techniques that are inspired from nature such as :

• physical principles,

• evolution theory and

• behaviors of living beings

to efficiently solve optimization problems in different application areas.

Bio-inspired algorithms taxonomy

Bio-inspired Algorithms

In this Course, we are going to present two types of bio-inspired algorithms.

- In part1, we will focus on algorithms inspired by evolutionary theory called evolutionary algorithms.

- In part 2, we are going to understand the artificial immune systems which are techniques inspired by immune systems theory.