Abstract

So many techniques are used in the software testing environment and in this paper we survey the ABC algorithmic approach and its advantages over the GA (Genetic Algorithms). Artificial bee colony (ABC) algorithm is one of the most recently introduced swarm–based algorithms. These optimization approaches helps in memorization and also support the global optima. This algorithm is based on colony size and the maximum number of cycles per number. In this algorithm we know that it is a optimization tool which provides the population based search procedure which is known as Food Sources and these food sources are searched by Employee Bees ABC as an optimization tool which provides a population-based search procedure in which individuals food positions are modified by different bees with time.

References

An Approach in the Software Testing Environment using Artificial Bee Colony (ABC) Optimization


Index Terms

Computer Science
Algorithms

Keywords

ABC (Artificial Bee Colony) SUT (Software under test) Software Testing GA (Genetic Algorithm)