Abstract

Research in software testing has experienced a significant growth in recent years. One topic of special interest is fault detection techniques to reduce human interference and detect maximum faults. Priority is given to these techniques so that only higher priority techniques should be used instead of using individual techniques of lower priority. Bee Colony Optimization based upon natural phenomena algorithm is used in it to find out the best results. The work presented in this paper expresses the idea of implementing of fault detection techniques to provide them priority using bee colony optimization and ant colony optimization and then compare their results with ant colony optimization. The results shows bee colony optimization is better than ant colony optimization and consume less time as compare to manual process.

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Fault Detection Techniques Prioritization using Bee Colony Optimization and then Comparison with Ant Colony Optimization

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Index Terms

Computer Science Software Engineering

Keywords

Bee Colony Optimization Ant Colony Optimization Fault Detection techniques