Abstract

Path planning has been a part of research from a decade and has been evolving with use of several heuristic as well as meta-heuristic techniques. In this paper, path planning is implemented using bee colony optimization algorithm which is self evolved with certain defined parameters. Artificial bee colony optimization algorithm is approached because of its efficiency, Performance and fewer parameters as compared with existing algorithms. It combines multiple objectives to solve complex strategies and further proves itself to be most prominent algorithm for navigation. Further it is compared with existing algorithms simultaneously.

References


Index Terms

Computer Science

Algorithms

Keywords

Path planning, artificial bee colony algorithm, Particle swarm optimization.