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## Routing in Computer Networks

**R. Rajalakshmi**

**Abstract** - Literature reported, a novel approach in designing a routing protocol for finding the shortest distance between two nodes using Genetic Algorithms ( GA ). Genetic Algorithm is a random search technique used to solve large scale optimization problems . It is a stochastic search technique based on the principle of biological evolution used for problem solving strategy. It uses payoff function to quantitatively evaluate the candidate through ( guide ) random search . Its advantage lies in the robustness of search and problem independence . This operates on a population of individual which represents points in the search space .