



Scienxt Journal of Mechanical Engineering & Technology
Volume-2 || Issue-2 || May-Aug || Year-2024 || pp. 1-17

Study of genetic algorithm

***¹Dr. Shweta Chourasia, ²Bittu Yadhuwanshi, ³Bipin Chandra Pal,
⁴Bheem Chouriya, ⁵Ashish Kumar Verma**

^{*1}Associate Professor, Department of Electrical Engineering, Bhopal Institute of Technology Bhopal
^{2,3,4,5} Mtech Scholar, Department of Electrical Engineering, Bhopal Institute of Technology Bhopal

**Corresponding Author: Dr. Shweta Chourasia
Email: chourasia3012@gmail.com*

Abstract:

Optimization become a huge problem among researchers in years of 60's, it take the researchers attention in the developing the powerful algorithm which can remove this problem. I the years of 60's-70's of 19th century, the three basic approaches were proposed as an evolutionary algorithm in order to get rid of the problem of optimization. These approaches are, evolutionary programming (EP), evolutionary strategies and genetic algorithm. In this paper we will discuss the application of Genetic Algorithm, advantages etc.

Keywords:

GA, EP, Global Optimization, mutation