Search Based Software Engineering (SBSE) is the field of Software Engineering that helps in solving the problems using metaheuristic approach rather than solving the problems manually i.e. it helps in providing the automated solution for the complex problems of Software Engineering. Search Based Optimization is used by SBSE to solve the problems in Software Engineering. It is important because this approach is applied to all phases of SDLC (Software Development Life Cycle Model) i.e. from requirements specification to operation and maintenance. The problems are considered as search problem in SBSE. The search problems are finding solution of SE problems in search space which means finding optimal solution in the
area. This paper explains the basic of SBSE already applied and also signifies the future development in same field.

References

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Index Terms

Computer Science

Software Engineering

Keywords

Search Based Software Engineering (sbse)  Software Engineering (se)  Search Based Optimization (sbo)

Genetic Algorithm (ga)

Stimulated Annealing (sa)

Hill Climbing (hc).