

**Project Proposal on**

**Solving 8-Queens problem using Simulated Annealing Algorithm**

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**Topic: Solving 8-Queens problem using Simulated Annealing Algorithm.**

* We will need to decide on a cost function that decreases towards 0 as the board gets closer to a solution.
* We will also need to decide what types of moves to allow and how to represent them.
* Finally, we will need to keep track of the sequence of moves taken during the annealing process.

**Algorithm:** The goal of this project is to solve the 8-queens problem using simulated annealing.