**Subject: Artificial Intelligence (DJ19DSC502)**

**AY: 2023-24**

**Experiment 4**

**(Solution Space)**

**Aim:** Find the solution of a SAT (Satisfiability) problem using Variable Neighborhood Descent.

**Theory:**

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**Lab Assignment to do:**

Solve the following SAT problems using VND

1. F = (A V ~B) ^ (B V ~C) ^ (~B) ^ (~C V E) ^ (A V C) ^ (~C V ~D)
2. F = ( A V B) ^ ( A ^ ~C) ^ ( B ^ D ) ^ ( A V ~E)