

**K. D. K. COLLEGE OF ENGINEERING, NAGPUR  
DEPARTMENT OF COMPUTER TECHNOLOGY**

**B. E SEVENTH SEMESTER.**

**BECT402P : ARTIFICIAL INTELLIGENCE LAB**

**LIST OF EXPERIMENTS**

1. WRITE A PROGRAM TO IMPLEMENT BREADTH FIRST SEARCH ALGORITHM.
2. WRITE A PROGRAM TO IMPLEMENT DEPTH FIRST SEARCH ALGORITHM.
3. WRITE A PROGRAM TO IMPLEMENT TRAVELLING SALESMAN PROBLEM.
4. WRITE AN ITERATIVE PROGRAM TO IMPLEMENT N-QUEEN PROBLEM.
5. WRITE A RECURSIVE PROGRAM TO IMPLEMENT N-QUEEN PROBLEM.
6. WRITE A PROGRAM TO IMPLEMENT HILL CLIMBING ALGORITHM.
7. WRITE A PROGRAM TO IMPLEMENT MIN-MAX SEARCH ALGORITHM.
8. WRITE A PROGRAM TO IMPLEMENT HAMILTONIAN CYCLE.
9. WRITE A PROGRAM TO IMPLEMENT TOWER OF HANOI.
10. WRITE A STUDY PRACTICAL ON JESS EXPERT SYSTEM.
11. WRITE A STUDY PRACTICAL ON RVD EXPERT SYSTEM.
12. WRITE A PROGRAM TO IMPLEMENT TIC-TAC-TOE GAME PROBLEM.
13. WRITE A PROGRAM TO IMPLEMENT A\* ALGORITHM.
14. CONVERT THE PROLOG PREDICATE INTO SEMANTIC NET USING EXAMPLE.