**KARNATAK LAW SOCIETY'S**

**GOGTE INSTITUTE OF TECHNOLOGY**

“Jnana Ganga”, Udyambag, Belagavi – 590 008, Karnataka, India

**Department of Information Science & Engineering**

Estd. : 1979

Estd. : 1939

**\_18ISL67\_\_\_\_\_\_\_\_\_\_\_\_**

**Semester : 6** **Subject Name**: Artificial Intelligence lab **course code:**

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| **Sl No.** | **Date** | **Expt Title** | **Attendance / Conduct of lab**  **(10 marks)** | **Journal**  **(10marks)** | **Sign of Staff** |
| 1 | / / | Study PROLOG standards and syntaxes. |  |  |  |
| 2 | / / | Write a PROLOG PROGRAM to FIND PERMUTATION OF TWO A SET, CONCATENATE TWO SETS and to FIND MEMBER OF A SET. |  |  |  |
| 3 | / / | Write a PROLOG to PERFORM INTERSECTION OF TWO LISTS, INTERSECTION OF TWO LIST and UNION OF TWO LISTS. |  |  |  |
| 4 | / / | Write a PROLOG for a MENUDRIVEN PROGRAM FOR MEMBER CONCATENATION, ADD, DELETE AND PERMUTATION FUNCTIONS. |  |  |  |
| 5 | / / | Design an algorithm for TO SLOVE EIGHT QUEENS PROBLEM  and develop a PROLOG program for the same. |  |  |  |
| 6 | / / | Design an algorithm for TO IMPLEMENT DEPTH FIRST SEARCH and develop a PROLOG program for the same |  |  |  |
| 7 | / / | Design an algorithm for TO IMPLEMENT BREADTH FIRST SEARCH and develop a PROLOG program for the same |  |  |  |
| 8 | / / | Design an algorithm for TO SLOVE MONKEY BANANA PROBLEM and develop a PROLOG program for the same. |  |  |  |
| Average marks | | |  |  |  |

**Lab Index Sheet**

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| **Date** | **Title of Lab Project/ Open ended problem statement** | **Marks (5 marks)** |
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| Total Marks (25) | Signature of the staff |
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