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| **LESSON PLAN** |
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| **Discipline :** Computer Science & Engineering |
| **Semester:** 6th |
| **Subject :** Expert System Practical |
| **Lesson Plan Duration**: 15 weeks (from August 2022 to December 2022) |
| Work Load (Practical) per week (in hours): **Practical 02 hours** |
| **Week** | **Practical** |
| 1st | Study of Prolog |
| 2nd |  Write simple fact for the statements using PROLOG. |
| 3rd | Write predicates One converts centigrade temperatures to Fahrenheit. |
| 4th | Write predicates One converts centigrade temperatures to Fahrenheit, the other checks if a temperature is below freezing. |
| 5th | Write a program to solve the Monkey Banana problem. |
| 6th |  WAP to implement factorial. |
| 7th | Minor Test |
| 8th | WAP to implement Fibonacci of a given number. |
| 9th | Write a program to solve 4-Queen problem. |
| 10th | Write a program to solve traveling salesman problem. |
| 11th | Write a program to solve water jug problem using LISP |
| 12th | Solve any problem using depth first search. |
| 13th | Solve any problem using best first search |
| 14th | Minor Test |
| 15th | Study of various trends and issues related to AI and expert system. |