

Sardar Patel College of Engineering, Bakrol

Assignment 3

SUBMISSION DATE :10/04/2021

1. Explain non-monotonic reasoning in detail.
2. Explain difference between forwards reasoning and backward reasoning
3. Discuss Bay's theorem
4. Discuss Cut and Fail in Prolog.
5. Discuss Bayesian network and its application.

Prolog programs asked in previous paper

1. Write following prolog programs:

- i. To find the sum of first n natural numbers.
- ii. To append List2 to List1 and bind the result to List3

2. Write following prolog programs:

- i. To find the factorial of a positive integer number.
- ii. To find the nth element of a given list.

3. Write a prolog program to find the sum of first N natural numbers

4. Write a PROLOG program Checking for Password. 1. Give an opportunity to user to re-enter the password 'n' no. of times, on entering wrong password using Repeat predicate. 2. Give an opportunity to user to re-enter the password three (03) times, on entering wrong password.

5. Write a PROLOG program to count total occurrence of a character in a given list of characters.

Subject Coordinator

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NOTE: Write in notebook