Department of Computer Engineering

Academic Year: 2020-21
SUBJECT:
ASSIGNMENT NO.: OCW. SEMESTER: TV DATE OF SUBMISSION: 21 St Tune 2004
ASSIGNMENT NO.: OCW. DATE OF SUBMISSION: 21 St Tune, 2021.
MAINE OF STODENT: KAUSTUCK Ahrikant Kalpa
TOPIC: Logic Programming: Prolog: ROLL NO: 34 Mans-20
WEBSITE URL REFERRED: https://www.youtube.com/watch?v=jySpg72Vbc4
Summary/Abstract/Review:
Prolog is a logic programming language. It has important.
role in Artificial Intelligence. Unlike many other programming
languages, Prolog is intended primarily as a declarative progra-
- roming larguage. In prolog, logic expressed as relations lose
heart of prolog lies at the logic being applied. Formulation
or lomputation is carried out by running a query over
the relations.
Kley Features:
1. Unification - The basic idea is, can the given
terms be made to represent the same structure.
2. Backtracking-When a task fails, plorley traces
2. Backtracking-Uhen a task fails, plorby traces backwards and tries to satisfy previous task.

3. Recursion-Recursion in the hair Now in south
in program. Recursion is the basic for any search
Advantages:-
1. Ease to build database Dasso't and a lot more wine whilet
1. Easy to build database. Doesn't need a let programming explose. 2. Pattern matching is easy. Search is recursion based. 3. It has build in list handling. Makes it easier to play
3 It has Avild in list handling Make it wine to al.
with any alamithm invaluing list.
with any algorithm involving lists. Disadvantages:
1.LISP dominates over prolog with respect to I/O features.
2. Sometimes input and output is not that easy.
Application:
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Prolog is also used for pattern matching over natural.
trolog is also used for pattern matching over natural.
language parse trees.
Conclusion: In the tell the minute is milliment to
Therefore, we have stuided and work with force
programming language: Prolog.
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Name & Sign of Subject In-charge: Dr. K. S. Wash
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