



# **SNS COLLEGE OF ENGINEERING**

**Kurumbapalayam(Po), Coimbatore – 641 107**

**Accredited by NAAC-UGC with 'A' Grade**

**Approved by AICTE, Recognized by UGC & Affiliated to Anna  
University, Chennai**

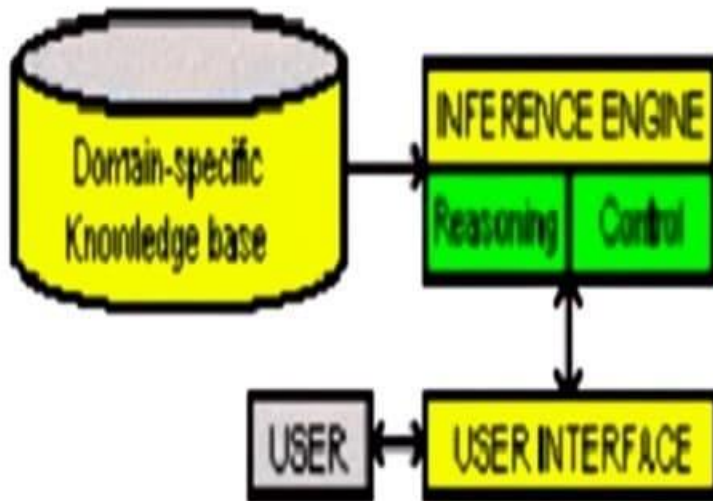
**Department of Artificial Intelligence and Data Science  
Course Name – Introduction to Artificial Intelligence**

**II Year / III Semester**

**Unit 5 Expert System and Application**



# Typical Expert System



# Typical Expert System

1. In a rule-based expert system, **the knowledge base** includes the if-then rules and additional specifications that control the course of the interview.
2. **An inference engine** is a set of rules for making deductions from the data and that implements the reasoning mechanism and controls the interview process.

The inference engine might be generalized so that the same software is able to process many different knowledge bases.

3. **The user interface** requests information from the user and outputs intermediate and final results