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COURSE CODE :COM 423

COURSE TITLE:EXPERT SYSTEM AND MACHINE LEARNING

LEVEL :HND2

ASSIGNMENT ON COM 422

* **Find out 2 different practical expert system ,interact with the expert system . Put input and give out the output on it and their website.**

(ANSWER)

▪︎**CYC (Common-sense Reasoning)**

CYC is Machine Reasoning AI that uses codified human common sense and knowledge (not patterns and statistics) for human-like cognitive processing.

Input

"Can a human live without oxygen?"

Output:

"No, humans need oxygen to survive."

Website; cyc.com.

(2) **XCON/R1 (Computer System Configuration )**

is an expert system designed to configure computer systems based on user requirements.

Input

A customer needs a computer system designed for 3D animation and rendering. This requires robust processing power, significant memory, and a powerful graphics card.

Output:

XCON/R1 suggests the following configuration:

**CPU**: Intel Core i9-12900K or AMD Ryzen 9 5950X for high processing power.

**RAM**: 64GB of RAM to handle large animation files and multitasking.

**Storage**: 2TB NVMe SSD for fast read/write speeds and additional 4TB HDD for bulk storage.

**GPU**: NVIDIA Quadro RTX 6000 for professional-grade graphics rendering.

**Motherboard**: A high-end motherboard that supports multiple GPUs and high RAM capacity. Cooling System: Advanced liquid cooling to maintain performance during intensive tasks.

**Power Supply**: 850W power supply to ensure stable power delivery to all components.

**Peripherals**: Dual 4K monitors for an expansive workspace, a professional drawing tablet, ergonomic keyboard, and mouse

Website: Wikipedia Page on XCON