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COURSE CODE: COM 423

COURES TITTLE: EXPERT SYSTEM AND MACHINE LEARNING (ES & ML)

LEVEL: HND 2

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ASSIGNMENT ON COM 422

PICK ONE AREA OF APPLICATION OF EXPERT SYSTEM AND THINK OUT NEW AREA IT CAN BE APPLIED

AREA OF APPLICATION (LAND LEASING)

Land leasing involves renting out land to an individual or business for a specified period. The lease agreement typically outlines terms such as the lease duration, payment schedule, permitted uses of the land, and responsibilities of both parties.

Common uses for leased land include:

Agricultural purposes

Commercial development

Residential development

Recreational purposes

Here is a new areas where expert systems can be applied in land leasing, along with detailed example:

LEASE AGREEMENT OPTIMIZATION

Lease agreement optimization aims to enhance the terms and conditions of lease agreements to maximize benefits for all parties involved while minimizing risks and costs. This process can be complex, involving various legal, financial, and operational considerations.

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conditions are included, reducing the likelihood of disputes and enhancing clarity.

EXAMPLE OF LEASE AGREEMENT OPTIMIZATION

A real estate firm uses an expert system to draft lease agreements for multiple land parcels. The system considers factors like lease duration, renewal options, rent escalation clauses, maintenance responsibilities, and dispute resolution mechanisms. It ensures that each agreement is tailored to the specific needs of the lessor and lessee, minimizing the risk of future conflicts and ensuring legal compliance.

By implementing an expert system for lease agreement optimization, organizations can achieve greater efficiency, reduce risks, and ensure compliance with legal standards, ultimately leading to better decision-making, enhanced value from their lease agreements and provide better services to landowners and tenants. These systems offer valuable insights, automate complex tasks, and support sustainable land use practices, ultimately contributing to the overall growth and success of the industry.