Evaluation of the framework and internal functioning of virtual assistants

Provider service

University of Cordoba (UCO)

Link to content

https://agrifoodtef.eu/catalogue-of-services/evaluation-framework-and-internal-functioning-virtual-assistants

Type of Sector

Arable farming, Food processing, Greenhouse, Horticulture, Livestock farming, Tree Crops, Viticulture

Accepted type of products

Data, Physical system, Software or AI model

Type of service

Data analysis, Performance evaluation, Test design, Test execution, Test setup

Description

Technical evaluation of frameworks developed for the creation of virtual assistants, focusing on elements such as the underlying architecture, natural language processing methods, and interactions with databases. Tests will include measuring response times, the ability to handle simultaneous queries, and overall system efficiency. Potential security vulnerabilities will also be identified, with recommendations proposed to strengthen data protection.

How can the service help you

This service helps ensure your virtual assistant frameworks are efficient, reliable, and secure. It evaluates response times, query handling, and system architecture while identifying potential security risks. By addressing these aspects, it helps the customer improve the overall performance and robustness of their virtual assistants.

How the service will be delivered

The service can be tailored to evaluate specific aspects, such as natural language processing, database interactions, or security features. Clients can choose to focus on particular use cases or operational environments, ensuring the evaluation meets their unique needs and priorities.

Service customisation

The service will be delivered by analysing the frameworks and internal processes of the virtual assistants. Companies can provide technical specifications and sample data for evaluation, or collaborative sessions can be arranged to assess functionality and security in real-time scenarios.