

SUCCESS STORY

Empowering the Academic System

Software Factory
(UX/UI, DEV, QA, DBA, DevOps, Support and Maintenance)



Ministerio de Educación
Argentina



Challenges

Enhancing Argentina National Academic Management System

The Ministry of Modernization in Argentina, responsible for improving the service quality and incorporating new technologies, expressed the requirement for an academic management system to **centralize all professional development courses**. The goal was a solution that employees across various public institutions could utilize.

The platform should integrate seamlessly with existing sites while offering an improved user experience compared to the current one.



Challenges

Defining the objectives to improve the user experience

As part of the challenge, we had to **increase the number of public institutions** with access to the platform and expand educational offerings without compromising access speed and user rates.

End users must visualize important information to decompress the process, speed up website navigability, and improve training program attendance **prioritizing user experience**.



Proposal

Expanding the boundaries of the system and streamlining content

After interviewing the client and analyzing flows from the previous application, we helped define and design the screens and system navigability using clickable frameworks.

An architectural strategy was outlined to manage users, courses, stakeholders registration and categorization, pre-enrollment management, annual budget planning and management, student follow-up and records, workflows, submitting forms and tasks collaboratively, and managing providers.

As part of the plan, we set up an ARSAT environment. The system would also be capable of integrating with Moodle portables for Virtual Campus functionalities and with WordPress for the Students' Portal through web Services.

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Proposal

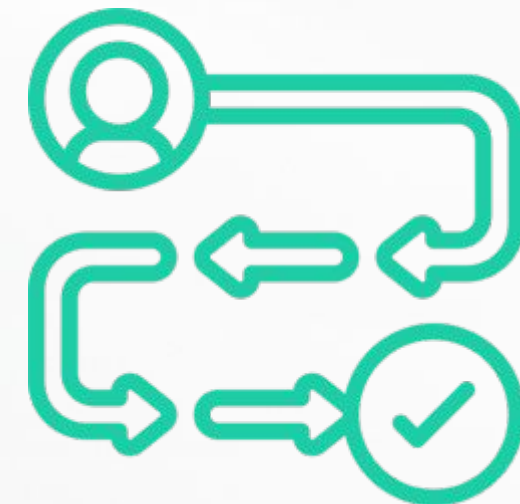
Remodeling the application to push its limits

As part of the plan, we set up an ARSAT environment. The system would also be capable of integrating with Moodle portables for Virtual Campus functionalities and with WordPress for the **Students' Portal** through web Services.

In addition, we proposed a data migration plan from the existing system to the new one.

We implemented a hybrid work methodology by applying **Scrum and Kanban** for the teams participating in the project.

Open source technologies were applied to minimize costs and define the appropriate infrastructure for productive environments. We are currently providing support and maintenance while also developing new functionalities.



Results



Upgrade

Development of a centralized application leaving behind the use of spreadsheets



Centralización / Integration

Total integration of different academic modules in a single point of access



Accesibilidad / Accessibility

Access to the application anytime and anywhere without needing an internal network.



Expansión / Expansion

Allows expanding the number of users and data traffic within the system's functionalities.



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