

IELA AWARD WINNER

# Santa María Academy: Shaping the Heroes of Today with Tomorrow's Technology

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## ABSTRACT

Santa María Academy has successfully integrated advanced technology into its educational framework to enhance the learning experience of its students, preparing them for future careers in law enforcement and the military. The academy's innovative approach includes personalized coaching, interactive resources, and smart tools that cater to individual student needs. By leveraging artificial intelligence and real-time performance monitoring, Santa María Academy has significantly improved student outcomes, motivation, and engagement. This case study explores the key elements of their success, including the implementation of personalized learning plans, interactive podcasts, a smart syllabus, and a real-time performance dashboard. The academy's model serves as a benchmark for educational institutions aiming to merge traditional values with cutting-edge technology to produce well-rounded and highly skilled graduates.

## KEYWORDS

personalized coaching, interactive resources, artificial intelligence, real-time performance monitoring, educational technology integration

## 1 INTRODUCTION

Santa María Academy has recently been honored with the prestigious International E-Learning Award (IELA) for its groundbreaking work in online education. This recognition highlights the academy's exceptional contributions to the field of digital learning and its status as a leader in Spain for training National Police officers, Civil Guards, and military personnel.

The academy's innovative approach to education combines traditional values with state-of-the-art technology, offering a comprehensive and personalized learning experience for its students. By integrating advanced tools such as artificial intelligence, real-time performance monitoring, and interactive resources, Santa María Academy has created an educational environment that not only prepares

Del Valle Mejías, M. E. (2024). Santa María Academy: Shaping the Heroes of Today with Tomorrow's Technology. *International Journal of Advanced Corporate Learning (iJAC)*, 17(4), pp. 109–118. <https://doi.org/10.3991/ijac.v17i4.50905>

Article submitted 2024-07-08. Revision uploaded 2024-09-04. Final acceptance 2024-09-11.

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students for their demanding careers but also sets a new standard for online education.

This article delves into the key elements that have contributed to Santa María Academy's success, examining how their unique blend of personalized coaching, smart syllabus, and interactive learning tools have transformed the educational landscape for future law enforcement and military professionals. Through this case study, we aim to showcase the strategies and innovations that have earned Santa María Academy its esteemed recognition and explore the potential for similar institutions to adopt these best practices in their own educational frameworks.

## **2 WHAT MAKES US UNIQUE**

Santa María Academy has distinguished itself through a suite of innovative products and services that have revolutionized online education for law enforcement and military training. Key offerings include personalized coaching sessions that provide tailored guidance and support for each student, ensuring they meet their individual goals. The academy also offers interactive podcasts that break down complex topics into easily digestible content, utilizing artificial intelligence to enhance learning efficiency. A standout feature is their smart syllabus, which transforms traditional study materials into dynamic, interactive experiences. Additionally, the real-time performance dashboard allows students to monitor their progress and adjust their study strategies accordingly. These cutting-edge tools and services have not only improved student engagement and outcomes but also positioned Santa María Academy as a leader in digital education, earning them the prestigious International E-Learning Award (IELA).

In the following lines, we will briefly describe the features of each e-learning product.

### **2.1 ECO Department**

The ECO Coaching Department in our institution guarantees personalized, close, and direct follow-up with each student. This team of experts is dedicated to providing individualized guidance, helping each student identify and achieve their educational and professional goals. Through coaching sessions, the ECO Coaching Department ensures that students receive the necessary support to overcome challenges, optimize their performance, and develop key skills. This personalized approach strengthens our students' motivation and commitment, ensuring that each one is fully prepared to succeed in their respective careers in the Civil Guard, the National Police, and the Armed Forces.

One of the greatest advantages is the direct contact between the Coaching team and the students. This personalized approach allows each student to receive individual attention tailored to their specific needs and goals. The Coaching team offers constant guidance, emotional support, and personalized strategies to overcome academic and personal challenges. This close relationship not only motivates students to reach their full potential but also creates an environment of trust and collaboration, ensuring that each student feels valued and supported on their path to success.

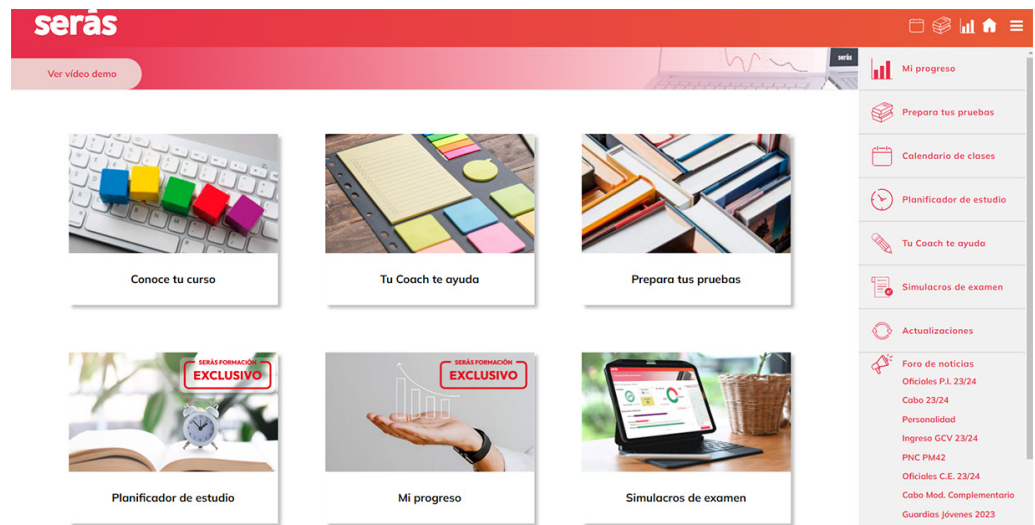


Fig. 1. Serás. 2024. <https://aulavirtual.serasformacion.es/?page=main&itinerary=gcvbs>

## 2.2 Podcasts

In our organization, we have developed an innovative podcast where each expert summarizes the fundamental concepts of each topic and the potential distractors in an engaging interview format, supported by artificial intelligence. This unique resource, subtitled and indexed, allows students to easily access crucial information and quickly return to specific sections. The subtitles ensure convenience for everyone, while the indexing optimizes study time by facilitating the search for specific topics. By combining human expertise with technological precision, this podcast not only informs but also motivates, offering an enriching and efficient learning experience.



Fig. 2. Serás. 2024. <https://aulavirtual.serasformacion.es/?page=main&itinerary=gcvbs>



Fig. 3. Serás. 2024. <https://aulavirtual.serasformacion.es/?page=main&itinerary=gcvbs>

### 2.3 Physical tests calendar

We have designed an interactive physical tests calendar that revolutionizes our students' preparation. This calendar, filled with links to explanatory videos by the coach, provides detailed instructions and practical demonstrations for each exercise. Additionally, email reminders ensure that students stay on track with their training, while the option to download the calendar directly to the student's personal device facilitates organization and tracking. This tool, which combines convenience and advanced technology, offers a personalized training experience, motivating and guiding future protectors of our society towards physical excellence.

### 2.4 Planner

We have developed a planner tailored to the student's available hours, designed to organize study time realistically and efficiently, adapting to each student's experience profile. This intelligent planner adjusts the study schedule according to individual needs, ensuring an optimal balance between learning time and rest. It includes direct links to live classes, recordings of past lessons, interactive resources, and topic quizzes. This comprehensive tool not only facilitates time management but also ensures that each student accesses all the necessary materials for their success, promoting organized and effective learning.



Fig. 4. Serás. 2024. <https://aulavirtual.serasformacion.es/?page=main&itinerary=gcvbs>

## 2.5 Dashboard

In our organization, we have created a real-time dashboard that transforms how students monitor their performance. This interactive board shows each student's progress in all subjects in detail, highlighting areas that require more attention. It also allows for individual performance comparison with peers, fostering healthy competition and motivation. The benefits of this dashboard are innumerable: it provides a clear and accurate view of academic progress, helps students quickly identify their strengths and weaknesses, and allows them to focus their efforts on areas needing improvement. This personalized and comparative approach ensures that each student can optimize their performance and reach their full potential.

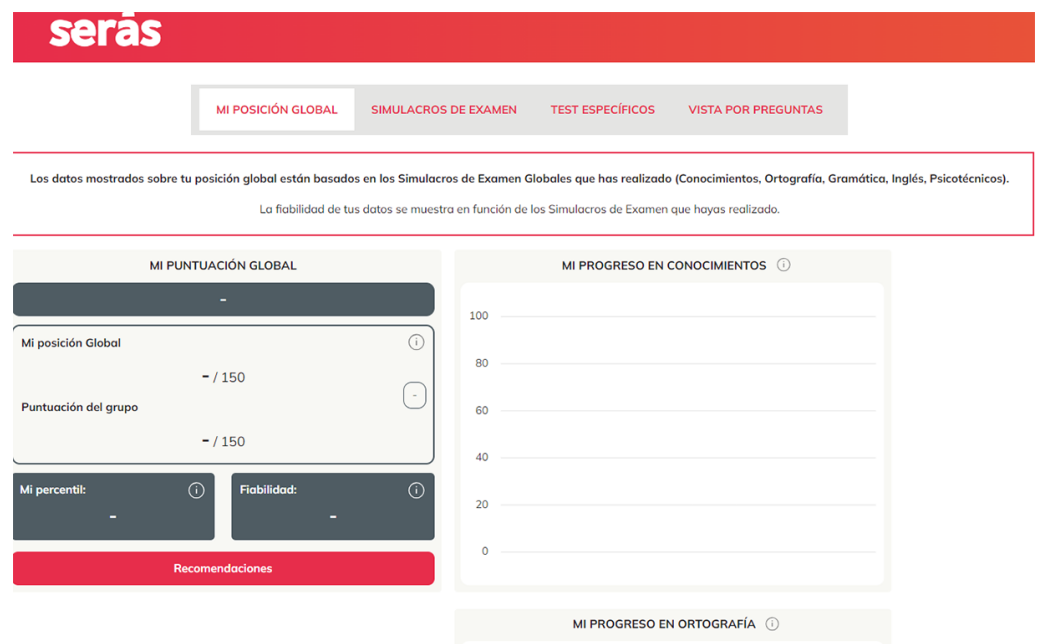


Fig. 5. Serás. 2024. <https://aulavirtual.serasformacion.es/?page=main&itinerary=gcvbs>

## 2.6 Smart syllabus

Another tool that sets us apart in the sector is our smart syllabus, which goes far beyond a simple PDF, transforming study material into an interactive and enriching experience. This syllabus includes links to interactive resources that facilitate the understanding of concepts, voice notes from expert teachers offering detailed explanations and practical advice, exam question examples to practice and evaluate acquired knowledge, and a study weight analysis that helps identify the most relevant areas for the exam. With these features, the smart syllabus provides a comprehensive and dynamic guide, tailored to each student's needs, ensuring thorough and effective preparation.



Fig. 6. Serás. 2024. <https://aulavirtual.serasformacion.es/?page=main&itinerary=gcvbs>



Fig. 7. Serás 2024. <https://aulavirtual.serasformacion.es/mod/page/view.php?id=364764>:  
Image of the interactive index



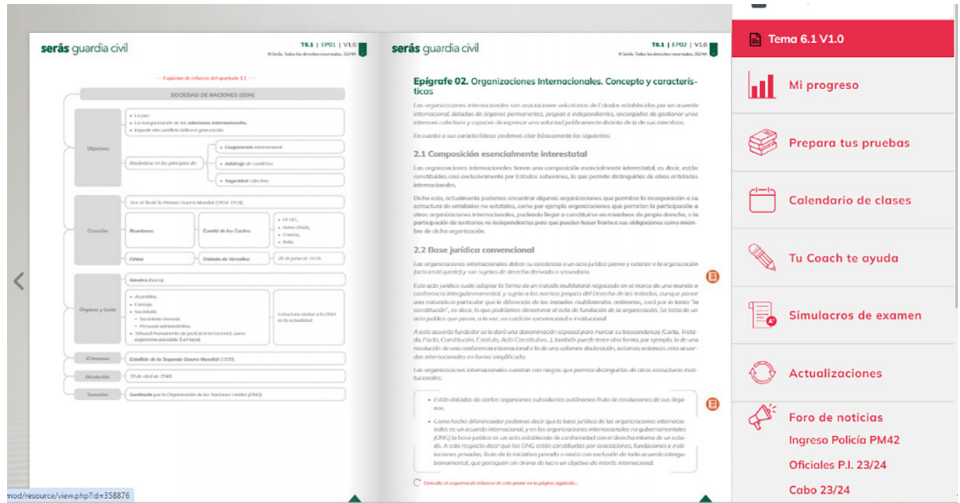


Fig. 8. Serás. 2024. <https://aulavirtual.serasformacion.es/mod/page/view.php?id=364764>: Image of the interactive icons that lead to resources on the topic

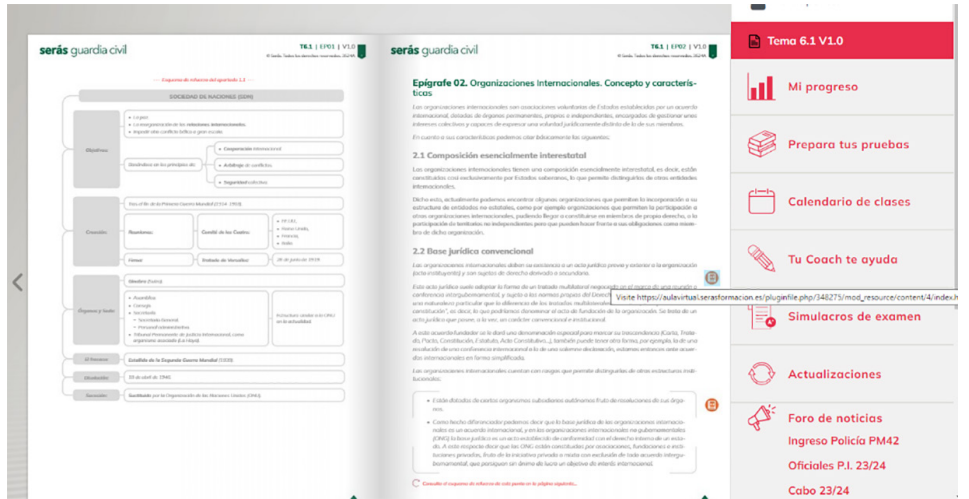


Fig. 9. Serás. 2024. <https://aulavirtual.serasformacion.es/mod/page/view.php?id=364764>: Glossary of terms that may cause confusion, defined in context

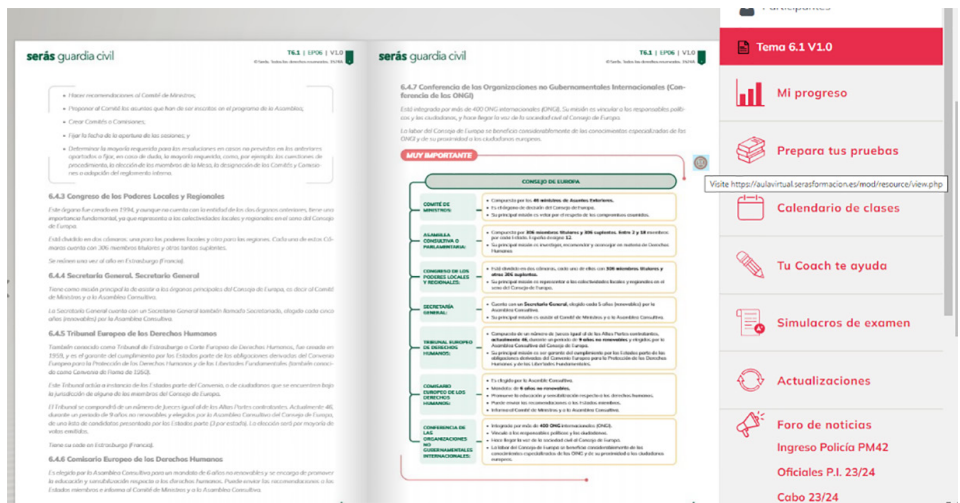


Fig. 10. Serás. 2024. <https://aulavirtual.serasformacion.es/mod/page/view.php?id=364764>: Link to questions that have appeared on the exam in previous sessions with a detailed explanation by the expert

## 2.7 Interactive resources

We have created interactive resources that go beyond simple memorization, fostering comprehension and internalization of what is studied. These resources include detailed infographics, clear mind maps, and explanatory diagrams that help visualize and understand key concepts effectively. By presenting information in a visual and organized manner, we facilitate students' connection of ideas and meaningful knowledge retention. These resources not only make learning more engaging and participatory but also ensure comprehensive and robust training, allowing students to apply their knowledge with confidence.

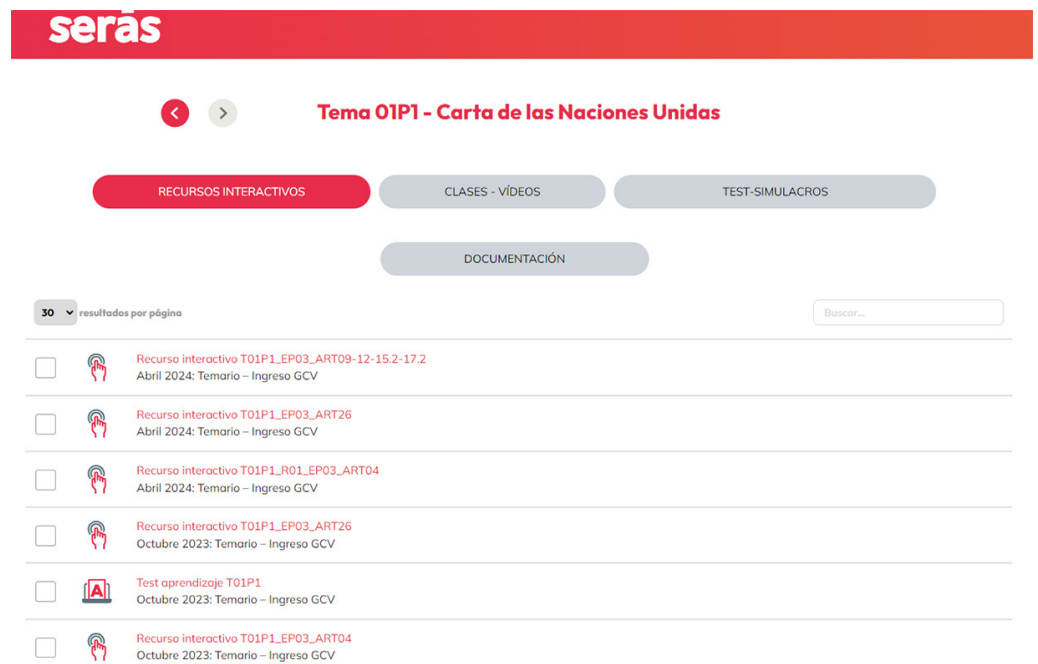


Fig. 11. Serás. 2024. <https://aulavirtual.serasformacion.es/?page=main&itinerary=gcvbs>

## 2.8 Score calculation

We offer a score calculation guidance service designed to help members of the Civil Guard, National Police, and Armed Forces understand and optimize their chances of promotion and access to specialized positions. This service provides an accurate and objective evaluation of our students' merits and performance. Our service strengthens transparency and trust in the promotion process, providing professionals with a clear and fair guide to advance their careers. With our score calculation service, we promote equity and motivation, facilitating a comprehensive understanding of the promotion system within institutions and guiding each student on the strategy to follow to improve their chances of success.

## 2.9 Study of vicissitudes

We offer a comprehensive vicissitudes study service designed to provide members of the Civil Guard, National Police, and Armed Forces with a detailed understanding



of their professional trajectory. This service covers the specific scoring of each call, promotion possibilities, geographic mobility, and analysis of disciplinary sanctions and their consequences. Together with our dedicated Coaching team, we meticulously analyze each case, offering personalized and precise guidance. This detailed approach allows our professionals to plan their careers with clarity and confidence, ensuring they are well-informed about the opportunities and challenges they will face. With our vicissitudes study, we promote proactive and strategic career management, strengthening our students' preparation and success in their respective institutions.

## 2.10 Official Contact Point (POC)

In our center, we have the valuable collaboration of specialists, members of the Law Enforcement and Security Forces, and leaders from their respective corps, who are dedicated to motivating and guiding students to achieve their goals. Additionally, we have established a military Official Contact Point (POC), whose main function is to clarify all the aspirants' doubts, providing comprehensive and specialized support that ensures complete and effective preparation.

## 3 NEXT CHALLENGES

As Santa María Academy continues to lead in the field of online education for law enforcement and military training, one of the primary challenges we face is staying ahead of the rapidly evolving technological landscape. With advancements in artificial intelligence, virtual reality, and other educational technologies, it is crucial for the academy to continuously update its tools and methodologies. This requires a robust commitment to research and development, ensuring that our offerings remain cutting-edge and effective in preparing students for their future careers [2], [9].

Another significant challenge lies in addressing the diverse learning needs of our students. As we expand our reach to a broader audience, the academy must ensure that our personalized coaching and interactive resources are adaptable to various learning styles and backgrounds. This entails ongoing research into educational psychology and the implementation of inclusive teaching practices that cater to the unique requirements of each student [1], [5]. By doing so, we can maintain high levels of student engagement and success, which are essential for our continued recognition and accolades [3], [8].

Moreover, the integration of new technologies into our curriculum poses logistical and operational challenges. Ensuring that all students and faculty are proficient with the latest tools and platforms requires continuous training and support. The academy must invest in professional development programs for our educators and provide comprehensive tutorials and resources for students. By fostering a culture of continuous learning and adaptability, we can overcome these operational hurdles and maintain our position as a leader in online education [4], [12].

Finally, staying competitive in a global market means consistently demonstrating the impact and effectiveness of our educational programs. This involves rigorous data collection and analysis to measure student outcomes and program success. Through ongoing research and the publication of our findings, Santa María Academy can showcase its achievements and innovations to the broader educational community [6], [11]. This commitment to evidence-based practice not only enhances

our reputation but also positions us as a strong contender for future awards and recognitions [7], [10].

By addressing these challenges through continuous research, technological updates, and a commitment to excellence, Santa María Academy is well-positioned to achieve new milestones and garner further accolades. Our dedication to providing high-quality, innovative education will ensure that we remain at the forefront of our field, consistently earning the recognition and awards that reflect our efforts and successes.

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