

## **Cardano Smart Students DApp**

### **EUROPEAN EDUCATION THROUGH **Smart Students** PLATFORM**

The dream of many young people is to study in the best European colleges and universities. But they also know that it is not at all easy to be accepted in these universities.

Well, if you have a **Smart Students** platform, nothing will stop you from achieving those dreams. **Smart Students** platform will offers these schools at your fingertips.

One can learn everything in the field of IT technologies from the **Smart Students** platform. There are more than 3000 IT courses of the best teachers in informatics and computer science, artificial intelligence, cyber security, cloud technologies, analytical skills, programming and much more.

#### **Benefits of the **Smart Students** platform:**

- Communication channel, providing quick and easy connection with teachers and fellow students;
- Meaningful reviews (with added photos, videos, reviews) about subjects, teachers, fellow students, etc.;
- Information on costs of the educational process and bonuses;
- Experience gained from fellow students in college or university

The **Smart Students** platform purpose is to manage user profiles, store, organize learning materials and feed content to the mobile Smart Student App. It is designed to be scalable and to easily process huge databases, using the principles of parallel information processing. The platform will be built in modules, which will allow the following actions without any problems: adding, removing or editing individual parts of it without affecting its overall functionality. During its development, the highest security standards are set for both the profiles and the available data. The platform has algorithms for **Artificial Intelligence (AI)**, which will be for a more complete user experience, analysis of the usage of the platform and predictions for future actions.

In addition to managing the content of the Smart Students App, a "light" Web user interface will be created for the platform, which will facilitate the use of the platform by desktops, laptops, embedded devices, smart TVs and more. Technologically, the Smart Students Platform will be written in Python with the ability to provide an API. With the API, the information from the platform can be provided to other partners and organizations.

The development of the Educational Platforms in the project is based on a study of world experience and the formation of a vision for an e-learning environment (ELE). The fourth generation for development is based on the intellectualization, personalization and adaptation of the learning material to the needs of the specific user, who is at the center of global educational resources, not the teacher and local resources, i.e. technologies - cognitive, multiagent and linguistic.

The created virtual learning technology will provide unlimited access to learning resources to individual information data through integrated applications, shared data warehouses for reusable learning resources. Students and learners will be able to store training courses on their computer. Teachers will have the opportunity to publish the course

content on CD, DVD, USB, etc. for review by students who do not have the access to good internet.

The objective will be to put students and learners at the center of the learning process. In this way, all aspects of student life will be integrated, improving not only learning, but also the retention and attraction of students. With the help of the platform, students can receive their degree while working full time or while caring for their families.

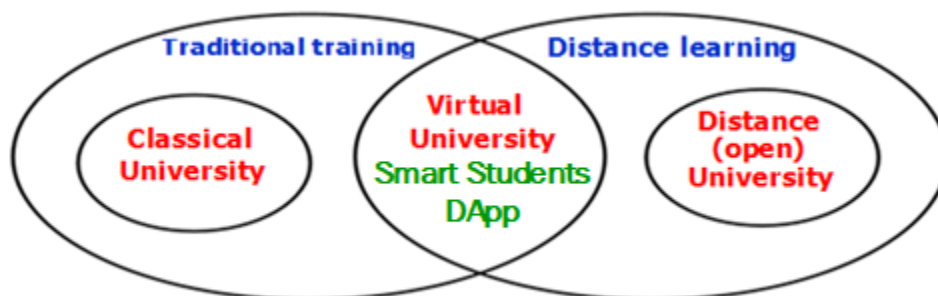
Educational communities can communicate by e-mail, both teachers with one student and groups of students.

Open source methods will also be applied, allowing teachers to combine standard-based teaching materials created by various universities into learning organizations. In the training course, in addition to a description of the training materials, a plan for training of a specific user, use of test questions in tasks, course projects, etc. will be developed. There will also be all sorts of other ways for social contacts and digital detoxification, music, art, games, ultra-fast computing projects, thinking clouds and more. The roles in the learning process are defined - guest, student, teacher and administrator for the formation of society.

Thus, the **Smart Students DApp** project enables a huge number of people around the world – Latin America, Africa and Asia (over 600 million in India and China) to obtain a higher education degree with a legitimate "European diploma" without leaving the family and work environment. Or this is an evolution from "bricks" (buildings) to a virtual electronic university (VeU).

VeU is a web-based environment that models the learning process in the **Smart Students DApp**, which has many advantages over traditional universities:

- Saving costs for transport, accommodation, visas, etc.
- Virtual E-library, access to E-resources, articles, etc.
- Bringing education closer to the student, instead of practice
- Adaptation of the student to the university.



By adhering to the concept of VeU and E-Library in the **Smart Students DApp**, the potential users of educational services will be:

- People who have not had the opportunity to study so far;
- People who need to master Informatics and Computer Science in order to keep their jobs and income at the moment;
- People who have difficulties in obtaining a visa to study in a member state of the European Union;
- Progressive educational institutions with a view to the future development of the world and the imposition of blockchain in the educational process.