DASARAN EDUCATIONAL PROGRAM

OVERVIEW

Dasaran ("Classroom" in translation from Armenian) is an internationally award-winning Software-as-a-Service (SaaS) organization based in Armenia that builds technology designed to help countries around the world not just meet their educational and technological development goals, but improve student performance, teacher capacity, and educational decision-making.

Dasaran's mission is to provide the structures that help promote and deliver quality and equal-access education, advancing student growth and empowering educational authorities with data for evidence-based policy-making. With its sustainable product, Dasaran helps build infrastructural capacity through low-cost, yet high-quality innovative technologies for more efficient educational policymaking that addresses UN Sustainable Development Goals (SDGs) 4 (Quality Education) and 9 (technology, innovation, and infrastructure).

One of the recent achievements of Dasaran is its recognition by the UNDP as **one of the best technological solutions** in the education field in Armenia.

In September 2016 Dasaran was recognized as **one of the best five innovative enterprises in the world** in the UNDP's Accelerate2030 initiative, aimed at supporting impact-driven ventures that contribute towards the achievement of the SDGs. As an enterprise which has built an innovative and unique educational solution and which has proven experience in policy intervention mechanisms for the achievement of target educational SDGs, Dasaran was also selected to partake in the UNDP's ImpactAim Venture Accelerator program in December 2017.

STRUCTURE AND MAIN COMPONENTS

Learning Management and Information System - An online tool-set for effective learning management and student performance monitoring that provides insights to all stakeholders in the education sector and promotes transparency in schools.

Data Analytics for Decision-Making / E-Stat Diagnostic Tool on Public Education - An advanced online statistical-analytical tool that provides comprehensive insights into the education system. It allows for effective monitoring of schools and more accurate measurement of education indicators across the country.

The system compiles real-time statistical data and provides accurate comparative analysis of aspects such as school management efficiency, student enrollment numbers, and student performance using various indicators, including teacher, student, and parent demographics, age and gender distribution, average student grades and absence rates, student transfer rates, teacher workload vs. teacher/student ratios in class, and the respective shift projection by years, etc.

E-Learning Environment / Gamified Education - A rich virtual repository comprised of around 60 educational games that encompass a wide knowledge base and combine interactive and alternative education with equal learning opportunities for all users.

OUTCOMES: THE ARMENIAN EXPERIENCE

The product has been tested and proven its concept in Armenia, since its founding in 2009 ensuring a 100% penetration into the public education system, connecting all public schools in the country to a unified platform, engaging 1,214,409 registered users. The following major outcomes have been achieved:

- Improved student academic performance by **39.6%**

- Decreased student absences by **83.78%**

- Increased computer literacy level among teachers from **5% to 81%**

- Influenced **data-driven policy-making** among various government agencies

- Lowered corruption risks and **increased transparency** at schools

COMPETITIVE ADVANTAGES

The Program functions in the field of innovative educational technologies, with a large focus on big data analysis to support educational decision-making ranging from school level up to state level.

Market research has been conducted of similar educational technologies available on an international level (such as Google Classroom, Edmodo, Moodle, eKool et al.), offering communication, collaboration, and coaching tools to K-12 schools, students and teachers, and the findings revealed the following competitive advantages of Dasaran. The software of Dasaran is unique in a sense that it:

- Has built an **easy-to-use/user-friendly e-platform tailored to the needs** of its diverse groups of beneficiaries and stakeholders (no advanced or complex technical skills are required), incorporating e-tools and features of primary usage and importance to the latter

- Is vested with a **high level of flexibility and quick-response mechanisms** to adapt the platform and its e-tools to the needs and requirements of the beneficiaries following their feedback and suggestions

- Provides **easily customizable and localized services** to client governments, adapting the program features to the language and specifics of state educational system

- Combines Learning Management and Information System, Data Analytics for Policy-Making, E-learning and Gamified Education Platform into a **single portal**

- Enabled the **time of data collection and processing cut to seconds** and correspondingly improved **resource management**

- Is the **only such software in the world (based on our research), which combines all schools of the country** in a single platform, thus building up the big school-related data and respective analytics for data-driven and informed decision-making

- Has **proven experience in policy intervention mechanisms for the achievement of target educational SDGs** and leverages the power of user data to inform state policies and resource allocation

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PHASED INCORPORATION AND PRICING STRUCTURE

The Program offers to pilot the project free of charge in a select number of schools for a half academic year to produce preliminary outcomes and demonstrate local value.

The pilot project will be followed by a full-scale phased implementation of Dasaran in the country, covering the entire public education system.

Client governments pay a one-time implementation fee and annual subscription fee (on a per-school basis depending on the number of students and teachers).

INTERNATIONAL RECOGNITION AND PARTNERSHIPS

Dasaran has established a wide array of international partnerships, including with:

- World Bank Group

- United Nations (UN) agencies (majorly with UNDP,UNICEF)

- European Union (EU) Delegation

- United States (US) Embassy

- Save the Children, et al

Dasaran has also formed close cooperation with relevant state authorities, such as the President's Apparatus, Ministry of Education and Science, Ministry of Culture, et al.

Throughout its activities Dasaran has also received various national and international awards for the social impact it creates in the field.

- **ONE OF THE WORLD'S 5 BEST INNOVATIVE ENTERPRISES**
  UNDP's Accelerate 2030 Initiative

- **ONE OF THE BEST TECHNOLOGICAL SOLUTIONS IN THE EDUCATION FIELD IN ARMENIA**
  Recognition by the UNDP

- **BEST STARTUP AWARD**
  Copenhagen Euroscience Open Forum

- **PRESIDENTIAL AWARD**
  High state award by the President of the Republic of Armenia

- **GOLDEN COMMEMORATIVE MEDAL**
  Highest award of the Republic of Armenia Ministry of Education and Science

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