



**Fund “Nauka” Project № 24003 Resume – Special Competition-based Session  
2024:**

“Development of a database for analyses and optimization of simulation training at  
MU-Varna”

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Simulation centers play a key role in modern medical education, providing a controlled environment for students to hone their skills. Despite the potential of these structures, numerous management challenges limit their effective use. Recent years have seen the development of management tools, including software products offering software assurance for operational processes in simulation centers. The significant financial costs associated with these platforms are unreasonable for start-up simulation centers such as the Center for Simulation Technology and Medical Equipment at MU-Varna, which is characterized by a limited number of simulators, trainers and staff. In order to overcome this challenge, we propose the development of our own platform for the needs of MU-Varna.

The **goal** of the project is to develop a database for the simulators of MU-Varna, which will allow the extraction of reports based on the searches and choices of the faculty - users of the platform.

**The main tasks are:**

1. Research the faculty level of simulators awareness;
2. Systematization of the available simulation equipment;
3. Design and development of the database;
4. Database testing and improvement;
5. Data analysis, shaping and dissemination of the results.

**The expected results** include a new infrastructure with systematized and accessible information about the available simulation equipment. Additionally, the database will deliver reports for competitive analyses and studies of:

1. Faculty preferences regarding the simulation technique;
2. The possibilities of applying the available simulators in different academic disciplines;
3. The need for new simulators/ mouldages.

The studies will contribute to the development of more effective methods for managing a simulation center in a medical university, which will have educational and economic significance.