Hello, my name is Vika. I am an engineering student at MIPT and I’d like to present smart HVAC system, that could be implemented in out university.

Traditional HVAC systems are often inefficient, they consume a lot of energy and their performance is often unsatisfactory for users.

I can see how these systems struggle to adapt to changing conditions and user preferences. This was my inspiration.

HVAC system consist of various sensors, AI-driven analytics, and internet connection to continuously monitor and adjust indoor climate conditions. This system learns from user behavior to optimize comfort while minimizing energy consumption. The system can be controlled remotely via a smartphone app, allowing users to adjust settings from anywhere.

during the creation of the project, I’ve studied existing HVAC sytems and then produced and tested a protype. This allowed me to collect performance data and to improve my project in final version.

Unlike traditional heating systems, my solution allows to save considerable amount of energy and uses AI technologies to learn and adapt to user preferences

Looking ahead, I’m planning to spread the use of this system throughout the campus and develop more advanced AI algorithms for even greater effiviency.