University	:	UzSWLU
Country	:	Uzbekistan
Web Address	:	https://www.uzswlu.uz/en#

[2] Energy and Climate Change (EC)

Smart air purification systems in the university premises play an important role in creating a healthy and comfortable environment for students, teachers and staff. They help to improve air quality, which is especially important in crowded conditions.
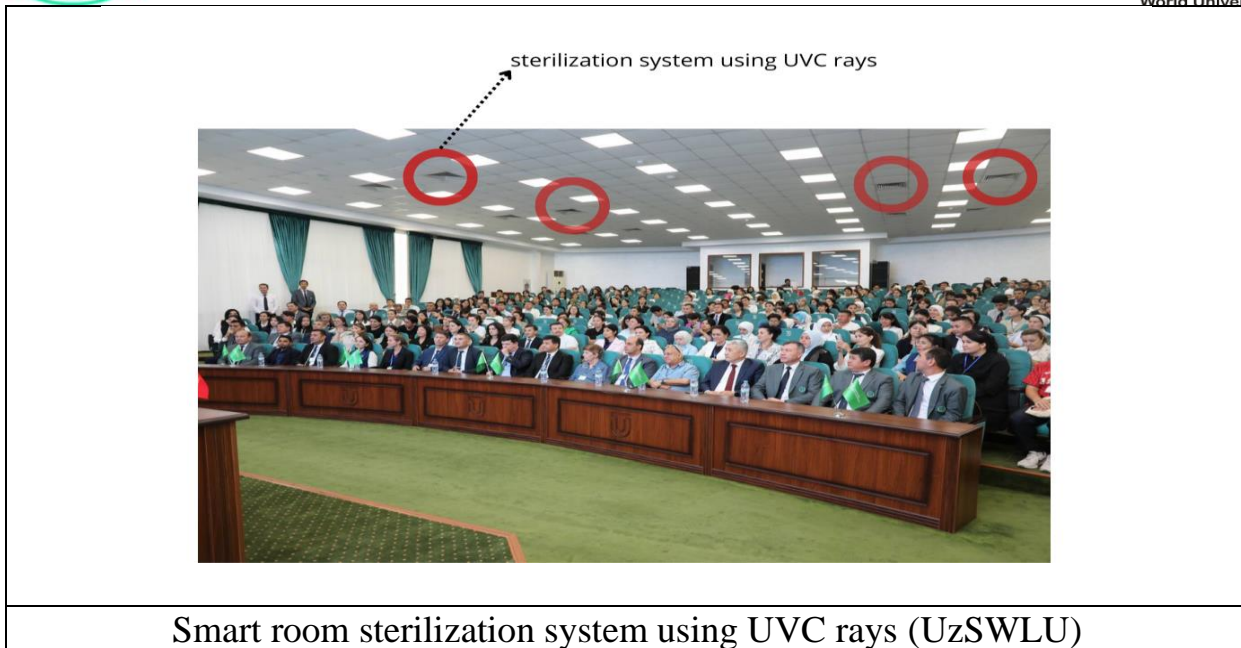
Modern air purification systems can effectively remove dust, allergens, bacteria, viruses, and other harmful substances from the air. This helps to reduce the risk of spreading infections and diseases, as well as improve the overall well-being of people indoors.

In addition, smart systems allow you to automatically control the level of air pollution and adjust the operation of filters depending on the data received. This ensures more efficient and economical use of resources, as well as simplifies the system maintenance process.

In general, the introduction of smart air purification systems contributes to the creation of a favorable atmosphere at the university, which has a positive effect on the educational process and the general well-being of all participants in the educational process.

[2.13] Number of innovative program(s) in energy and climate change

Smart room sterilization system using UVC rays (UzSWLU)

Description:

An ultraviolet ray (UVA) sterilization system at a university can be part of safety and hygiene measures. The use of UVC rays makes it possible to destroy bacteria, viruses, and other microorganisms that can cause diseases or worsen indoor air quality. This is especially important for crowded places such as universities.

The system can automatically turn on in the absence of people in the room and work according to the set parameters. It can be integrated with other building systems such as motion sensors and lighting controls.

The use of UVC sterilization requires taking precautions to avoid harmful effects on human eyes and skin. It is also necessary to take into account possible side effects, such as potential effects on materials and surfaces in the room.

Additional evidence link (i.e., for videos, more images, or other files that are not included in this file):