

**NTUU “Igor Sikorsky Kyiv Polytechnic Institute”**

**Faculty of Physics and Mathematics**

**Annotation report of the practice**

**Topic: Applying of information and communication technologies for effective teaching of physics**

**(for example, the theme: "Mechanics")**

Practice Leader: Assoc. Gareeva F. M.

Prepared by: 5<sup>th</sup> year student,

gr. OF-61c

Hudzovska S. M.

The advantage of information and communication technologies in the classroom as a source of knowledge is that through a documentary persuasiveness actually correctly and concentrated presentation, students learn a large amount of educational information in a relatively short period of time, which frees the teacher from the long, sometimes quite unconvincing explanation leads to formal and superficial learning.

During the internship was chosen a film library of mechanics.

In this work was presented such mechanical concepts: the laws of kinematics, Newtonian dynamics, conservation of momentum and energy, gravity, Hooke, Pascal, Archimedes, equilibrium conditions and swimming bodies, principles of Galilean relativity, fundamentals of classical mechanics and more.

Each example was shown pictures, animation and video. The use of such a film library in teaching mechanics to expand and diversify material subject to assimilation.

The method is a modern multimedia computer and information technology, which provides the opportunity to combine the computer program animation, audio, text, graphics and video.