ENHANCING TEACHING METHODS THROUGH THE DEVELOPMENT AND IMPLEMENTATION OF A SOFTWARE PRODUCT FOR TASK RESOLUTION AND IDENTIFICATION OF FORCES AND MEANS OF SPECIAL PROCESSING ON THE ANDROID OPERATING SYSTEM

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In the turbulent stream of the information age, where knowledge is updated at lightning speed, traditional teaching methods risk becoming obsolete. To capture the attention of the modern learner, immerse them in complex materials, and give them not only knowledge but also practical skills - this is the challenge that teachers face.

To improve the quality of education, it is proposed to use a software complex for determining the forces and means for conducting radiation and chemical reconnaissance in the process of training sessions with students of the block of tactical and special disciplines.

The software complex, developed on the basis of the presented algorithms, is designed for interactive work in real time and provides data display, calculation execution, and result display.

The complex allows you to perform the following actions: display, enter and edit information on the determination of forces and means of special processing on the Android operating system.

The software product does not just give dry knowledge, it immerses the learner in a dynamic learning process, making them a participant, not a passive listener.

Theory comes to life in the hands of the learner, as they have the opportunity to immediately apply the acquired knowledge to practice by solving real-world problems.

The positive aspects of using a software product for determining the forces and means for conducting full special processing of combat and other equipment on the Android platform are:

The efficiency of the software product can significantly facilitate and speed up the process of determining the forces and means for processing equipment, which allows for a faster response to needs and challenges.

The mobility and availability of the Android platform is widely used on various mobile devices, which makes the software product accessible and mobile for use in various locations.

Geolocation integration of using GPS and other geolocation technologies allows you to accurately determine the location of equipment, which is an important aspect when conducting special processing.

A user-friendly interface An intuitive and user-friendly interface allows you to quickly and efficiently interact with the software product, even without deep technical knowledge.

References:

1. Галак О.В., О.В. Стаховський Застосування мультимедійних технологій для блоку тактико-спеціальних дисциплін у підготовці фахівців військ РХБ захисту Системи обробки інформації. – Харків: ХУПС, 2015. – № 3 (128). – С. 158–161.