



## CURRENT PROBLEMS OF INTRODUCING INNOVATIVE TECHNOLOGIES INTO THE MILITARY EDUCATION SYSTEM

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**Abstract:** This article discusses the role of military psychology in preparing military personnel for service, as well as issues of modern technologies and methods of psychology.

**Key words:** military psychology, modern approaches, stress, leadership, development, psychological assessment, mental, stigma, combat, stress.

**Annotatsiya:** Ushbu maqolada harbiy xizmatchilarni xizmat faoliyatiga tayyorlashda harbiy psixologiyaning o'rnini hamda psixologiya fanining zamonaviy texnologiyalari, metodlari masalalari to'g'risida so'z yuritiladi.

**Kalit so'zlar:** harbiy psixologiya, zamonaviy yondashuvlar, stress, yetakchilikni, rivojlantirish, psixologik baholash, ruhiy, stigmasi, jangovar, stress.

**Аннотация:** В статье рассматривается роль военной психологии в подготовке военнослужащих к службе, а также вопросы современных технологий и методов психологии.

**Ключевые слова:** военная психология, современные подходы, стресс, лидерство, развитие, психологическая оценка, психика, стигма, боевой, стресс.

**Introduction.** Military psychology lies at the intersection of psychological science and military operations, focusing on understanding and optimizing the psychological factors that influence the effectiveness and well-being of military personnel. In this article, we will explore the essence of military psychology, the integration of modern psychological science in the training of military personnel, and current issues that require attention and solutions in this field. Military psychology includes a multifaceted approach to understanding and supporting military personnel during their service activities.

Analysis of literature on the subject. Gary A. Klein is the author of the theory of Naturalistic Decision Making (NDM) and studied decision-making especially under stress and real conditions. His Recognition Primed Decision (RPD) model is widely used in military combat and decision training. Introduced expert mental model training through an interactive platform called ShadowBox, which is a modern technological approach to military psychology training. Carol G. Ross Operates in the fields of simulation and distance learning. Which developed and evaluated training such as IED Defeat cognitive skills training for the US Army and other military entities [1]. One of the scholars who integrated technological approaches in military training and decision-making. Eduardo Salas an expert on training technologies is the head of the Training Technology Development Branch in the US Navy. Conducted research on simulation training and interactive





educational systems in military psychology Harold F. O'Neill Researched computer-assisted instruction, interactive simulators, and intelligent tutoring systems at DARPA and the US Army Research Institute. In the 1970s and 1980s, based on the PLATO system, modern military psychology was a leader in creating educational models.

Prosvetova (Tatyana S. Prosvetova). Scientific works such as «Modern Educational Technologies as Effective Means of Psychological and Pedagogical Training...» describe modern pedagogical technologies for teachers and researchers at military-technical universities.

Uzbek scientists and methodologies H.U. Khafizov developed methodical approaches to measures of professional psychological selection of military personnel in the Eastern Military District, where psychodiagnostic methods, knowledge and theoretical principles were analyzed [2].

Abduhakimov Muslima in the article "Today's requirements for the training of military psychologists of Uzbekistan" the issues of integration between personal skills, ethical and psychological training and information and communication technologies in the training of military psychologists were considered.

Usmonaliyev Jahangir and Jorakholov Khurshid the research led by Jahangir Usmonaliyev, a student of Gulistan State University, analyzed approaches to processing psychological data based on computerized psychodiagnostics and information and communication technologies.

Nematov Rikhsitilla and Tashpolatov Abdulhamid in his articles, he defined the methods of diagnosing psychological activity based on statistical and modern methods in the study of the psychology of the military community .Husan Ghaziyev and Z. Elov proposed social psychological methods for aspects such as the development of competence, adaptation, loyalty to duty in military personnel, and studied the formation of organizational and leadership components through modern methodologies.

In her article, F. Kadirova analyzed pedagogical technologies, interactive methods, as well as ways to develop speech and communication skills of cadets in the training of military personnel. B. Bekpulatov explained the methods of using modern information and communication technologies to improve the quality of the educational process in higher military educational institutions. In this article, he made concrete suggestions on improving the effectiveness of training cadets based on ICT. M.Komilov analyzed the process of formation of consciousness and psyche of cadets through simulators, interactive tests and communicative training in the scientific article on the topic "Pedagogical-psychological factors in the formation of military-professional competences of the military personnel of the Military Academy" [3].

The main and effective methods used in the teaching of military psychology are the following.

Main technological approaches used

Simulations and virtual/mixed reality (VR/XR/AR): analogy for decision making, teamwork, performance under stress training.





Intelligent tutors, such as ShadowBox, allow you to practice based on expert decisions.

Online platforms and LMS (Moodle, Google Classroom), problem-based learning, volunteer approaches and independent study techniques

Biofeedback and EEG systems: for example, attention and stress control through Mind Train and Power Dreaming technologies that train the mind to work with itself.

**Methods and materials.** It involves the application of psychological principles to various aspects of military life, including recruitment, selection, training, leadership development, combat operations, and post-deployment adjustment. Basically, military psychology seeks to improve the performance, resilience, and general well-being of military personnel in dealing with the unique challenges they face in their roles. Integration of modern psychology. Advances in the science of psychology have made a significant contribution to the development of innovative methods of training military personnel for service activities.

Modern psychology offers many knowledge and techniques that can be used to optimize training, improve decision-making, relieve stress and increase the psychological resilience of military personnel. The main areas of integration include.

can be used to increase endurance. The main areas of integration include: Using the principles of cognitive psychology to develop training programs that develop attention, memory, decision-making, and problem-solving skills, thereby improving performance in complex and high-stress environments. use of stress and coping theories to develop resilience-building interventions to facilitate adaptation and effective management of the stressors inherent in military operations, including combat exposure and deployment challenges.

Apply organizational psychology principles to develop effective leadership skills among military leaders, including communication, team building, conflict resolution, and decision-making skills critical to mission success and unit cohesion. Use evidence-based assessment tools and techniques to assess psychological characteristics, abilities, and vulnerabilities of military personnel during recruitment, selection, and throughout their careers, making informed decisions, and implementing targeted interventions

Results and discussion. Actual problems of military psychology. Despite significant progress, there are still a number of problems that require attention and solutions in the field of military psychology. The stigma associated with mental health remains a significant barrier to the help-seeking behavior of military personnel, which prevents the use of help and leads to negative consequences such as untreated mental illness, drug abuse and suicide. The prevalence of combat stress and post-traumatic stress disorder (PTSD) among military personnel highlights the need for improved prevention, early intervention, and evidence-based treatments to mitigate the psychological effects of military service.

Challenges associated with the transition from military to civilian life, including unemployment, homelessness, and difficulties accessing health and support services, underscore the importance of comprehensive transition assistance





programs for veterans. Ethical dilemmas arising from the intersection of military operations and psychological practice, such as interrogations, psychological warfare, and the use of psychological tactics in combat, require ongoing communication, research, and ethical guidance to ensure the responsible and ethical use of psychological counseling.

**Conclusion.** Suggestions for solving current problems The following suggestions are offered for solving the current problems facing the science of military psychology:

1. Combat stigma: implement education and awareness campaigns to reduce mental health stigma, promote a culture of psychological well-being, and promote help-seeking behavior among military personnel.

2.Improving mental health services: increasing access to evidence-based mental health services, including counseling, therapy, and peer support programs, and integrating mental health screening and assessment into routine health care practices in the military.

Improving Transition Assistance: Expand and improve transition assistance programs to meet the unique needs of veterans, including employment, housing, health care, and social integration services.

Ethical standards and training: develop and disseminate ethical standards and training programs for military psychologists and personnel involved in psychological operations, interrogation and other sensitive contexts, and ensure compliance with ethical principles and professional standards. Military psychology plays an important role in optimizing the performance, well-being and readiness of military personnel. By integrating modern psychological science into military training efforts and addressing pressing issues through targeted interventions and initiatives, we can better support the psychological health and resilience of military personnel throughout their military careers and beyond.

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