

**ADVANTAGES OF KNOWLEDGE BASES AND METHODS OF
MANAGING THEM**

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Annotation. *This article analyzes the benefits of knowledge bases and their management methods. The article examines the main benefits of knowledge bases, including the ability to systematically store knowledge, support innovation, make effective decisions, and develop skills. The article emphasizes the important role of knowledge management in increasing the competitiveness of organizations and improving their operational efficiency.*

Key words: *Knowledge base, management methods, analysis, organizations, educational institutions, systematic storage of knowledge, support for innovation, effective decision-making, skills development, knowledge management methods, updating, practice.*

Аннотация. *В данной статье рассматривается искусственный интеллект (ИИ) как одно из центральных направлений развития технологий последних лет. Развитие технологий ИИ приводит к глубоким изменениям в различных сферах общества. Его главная цель — имитация мыслительной деятельности человека, а также помощь в решении сложных задач. Понимание роли систем ИИ в обществе, их задач и перспектив важно не только с технологической, но и с социальной, экономической и этической точки зрения.*

Ключевые слова: *База знаний, методы управления, анализ, организации, образовательные учреждения, систематическое хранение знаний, поддержка инноваций, эффективное принятие решений, развитие навыков, методы управления знаниями, обновление, практика.*



A knowledge base is created to collect, store, manage, and effectively apply existing knowledge in organizations and educational institutions. Knowledge management methods, such as methods for collecting, storing, distributing, updating, and applying knowledge in practice, are also analyzed in detail.

A knowledge base is a system designed to collect, store, manage and effectively use existing knowledge in an organization. It helps to systematically collect scientific, technical and practical knowledge, train, make decisions and implement innovations. The advantages of a knowledge base and methods of managing them are very important for ensuring effective work in modern organizations and educational institutions.

Effective storage and systematization of knowledge. With the help of a knowledge base, organizations and educational institutions have the opportunity to store knowledge in an orderly manner. This provides quick and easy access to knowledge, while preventing its loss and obsolescence.

Knowledge exchange and communication. Information and experience are easily exchanged within a knowledge base. Effective communication is established between different departments within the organization and mutual knowledge exchange develops.

Innovation and Improvement. The presence of a knowledge base helps organizations develop new ideas and innovations. It creates favorable conditions for learning new knowledge and improving existing knowledge.

Rapid decision-making. There is quick and easy access to the knowledge needed in the decision-making process. This helps the organization make quick and effective decisions.

Skill development. The organization and its members have the opportunity to develop their skills and learn new knowledge. This increases the skills of employees and increases their work efficiency.

Knowledge Acquisition. The first stage of the knowledge base is knowledge acquisition. In this process, information is collected from external and internal



sources. In organizations, information is collected through various methods, such as experience sharing, questionnaires, interviews, education and training.

Knowledge Storage. It is necessary to organize and store the collected knowledge. Knowledge can be collected and stored in various formats (text, video, diagrams, graphs). For this, special databases, electronic libraries or cloud systems are used.

Knowledge Evaluation. It is necessary to assess the quality and effectiveness of the information in the knowledge base. During the evaluation process, it is checked whether the knowledge is correct and up-to-date. This, in turn, ensures that the existing knowledge base is updated.

Knowledge Distribution. The information in the knowledge base should be distributed among all members of the organization. This process is carried out through internet platforms, intranet systems, online libraries, webinars and seminars. Knowledge is also distributed using presentations, textbooks and manuals.

Knowledge Updating. Knowledge should be constantly updated, as science and technology are developing. The updating process is carried out regularly, through which old knowledge is replaced by new ones.

Knowledge Application. The knowledge base serves not only to store knowledge, but also to ensure its practical application. Through this process, organizations integrate existing knowledge into their activities, which increases productivity.

Knowledge Feedback and Refinement. The knowledge base is constantly being processed and evaluated. This process allows the knowledge base to be improved in accordance with the changing needs of the organization.

Effective knowledge base management significantly improves the processes of accumulation, storage, exchange and application of scientific, technical and practical knowledge in organizations and educational institutions. The above-mentioned methods of knowledge management serve to increase the competitiveness of the organization, support innovation and improve the efficiency of decision-



making. Therefore, the introduction and development of a knowledge base and methods for its management is an important task for any organization.

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