



DOI: **10.5958/2249-7137.2021.02332.6**

PRINCIPLES AND METHODOLOGY OF CREATING A KNOWLEDGE BASE IN AUTOMATED VARIANT DESIGN

Abdukhamidov A.Ya*; Abdukadyrova Kh. A;**

*Associate Docent,
Candidate of Economic Sciences,
Samarkand State Architectural and Construction Institute,
UZBEKISTAN
Email id: abilqosim.abduxamidov@bk.ru

**Associate Docent,
Candidate of Economic Sciences,
Samarkand State Architectural and Construction Institute,
UZBEKISTAN
Email id: hola44@mail.ru

ABSTRACT

It is proposed to create a knowledge base in automated variant architectural and construction design. Logical-linguistic models of variant design of industrial buildings, which are a complex set of groups of evaluation criteria for the quality of design solutions, can be taken as a basis.

KEYWORDS: *Expert System "VARIANT", Knowledge Base, Subject Image, Logical Model.*

LITERATURE

1. Artificial Intelligence: What Everyone Needs to Know Today About Our Future. 2018
2. Jones M.T. Programming artificial intelligence in applications. Translated from English. Osipov A.I.- M: DMK Press, 2006. 312 p.
3. Kloksin U., Mellish K. Programming in the PROLOGUE language. Translated from English by M. Mir, 1987. 336 p.
4. McConnell J. Fundamentals of modern algorithms: Textbook. Stipend. - Moscow: Technosphere, 2004. 366 p.

5. Pospelov D.A. Logical-linguistic models in control systems. - Moscow: Energoizdat, 1981. 231 p.
6. Russell S. Artificial intelligence. - M: Williams, 2007. 1410 p.