GENERATOR OF PROJECTS OF SYSTEM TRANSFORMATIONS OF EDUCATIONAL COMPLEXES, TARGETED TO CHILDREN WITH SPECIAL NEEDS

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The paper describes the principles of designing and building of intellectual information system to generate prognosis, plans and recommendations as to provide high-quality conditions of education of children with special needs in comprehensive school. The analysis of open sources showed that there is no existing similar systems publicly available – both paid or free.

The need of such development is conditioned due to the fact that under the current legislation of Ukraine, The Head teacher can not forbid the student with special needs to go to school, if it does not harm other children, but in many cases, most of the heads of educational institutions do not know how to provide the necessary facilities for students with special needs. One way to ensure education of people with disabilities is to establish various support software and hardware to the workplace of the student. But most existing software tools (tools for distance learning) can provide only studying for people with disabilities of the musculoskeletal system, while people with disabilities of hand movements, of vision and hearing will still need the help of other people or hardware. The computer voice control and voice typing software are developed for people with defects of vision. The paper describes the authors' intelligent information systems to generating projects of inclusive education of students with disabilities in general educational establishments designed for directors, head teachers, teachers and schools, high schools and other educational institutions of secondary education.

Classes of potential users and their roles are proposed and justified according to the structure of the system. Specified requirements for the construction and operation of machine logical algorithms output sequence of actions in the process of installation, verification, integration and administration of Intelligent Information Systems. The system provides the opportunity to provide detail recommendations of the construction of school and further education of teachers in the case study in ordinary schools for children with special needs. The system is implemented means CLIPS.

Keywords – education, children, special needs, expert systems.