



## FURTHER DEVELOPING STUDENTS' LEADERSHIP SKILLS BASED ON ARTIFICIAL INTELLIGENCE

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### ABSTRACT

*This in the article artificial intellect from technologies used without students leadership ability develop opportunities covered. In the article Artificial Intellect of tools in education transformation, leadership competencies in formation role, modern platforms through trainings organization to grow methods and artificial from the intellect in use advantage and dangers analysis Research results artificial intellect using personal approach develop and leadership potential systematic assessment opportunity to give shows.*

**Introduction.** In the 21st century digital technologies intense pace with development, education fundamental changes to the system take is entering. Especially, artificial intellect technologies not only teaching and assessment processes automation, maybe students personal development, including leadership your ability also serves the formation Modern in the world leadership only leadership to do not, maybe critical thinking, responsibility, team with performance, innovation approach such as competencies own inside In this respect artificial intellect tools leadership competencies in development huge opportunities open is giving. Modern globalization under the circumstances education system in front of standing main from tasks one is competitive, innovative thinker and strong leadership to the potential has individuals from preparation consists of. 21st century competencies within leadership ability education process central from the elements one as confession is being done. However traditional pedagogical approaches many in cases leadership in development enough at the level result give Therefore, new technological opportunities, especially artificial intellect tools to education integration through this competence further effective formation necessity appearance is happening.

Artificial intellect is human imitative of intellect algorithmic systems set is, it meets the individual needs of students identification, learning material and style customization, real time in mode assessment and reflection feedback opportunity gives. Artificial intellect not only science related knowledge in mastering, but socio-psychological skills, including leadership competencies also effective in shaping tool as confession In particular, global experience this shows that artificial intellect based on interactive



platforms through students their own communicative abilities, emotional stability, problems solution to do potential and team management skills develop are getting.

### **Literature comment**

Latest in years artificial intellect technologies education in the field intense at a pace develop, teach, evaluate and personal competencies in development wide is being used. This literature analysis in students leadership abilities in formation artificial of intellect place and to the possibilities aimed at important scientific and practical views illuminating gives.

Luckin et al in their book "Intelligence Unleashed" in the study artificial intellect of tools in education to personalization take to come based on given by. Authors artificial intellect with the help of each student's knowledge to take to the needs suitable individual directions working exit possible emphasizes <sup>1</sup>. This idea leadership competencies in formation important importance profession will, because leadership development also requires an individual approach.

By Anderson and Rainie take visited in research in the future artificial of intellect human values, behavior and leadership to the virtues impact analysis Authors artificial of intellect leadership culture change possible, especially critical thinking, problems solution to do and decision acceptance to do soft skills such as to develop service to do record The <sup>2</sup>OECD report education system and professional skills in development artificial intellect technologies place deep analysis made. In the report showing as it is said, artificial from the intellect use through students own leadership potential early in stages develop takes, this and labor in the market competitive to be for important.

By Goleman offer done emotional intellect theory leadership potential in the formation emotional mind and management skills importance based on given. Artificial intellect platforms emotional the situation analysis to do opportunity existence Therefore, Goleman's theory modern artificial intellect tools with harmonization through complex approach working exit possible.

Tashkenbaeva by written article Uzbekistan in the context of artificial intellect technologies education to the quality the impact learns. Then record It is believed that digital tools through leadership competencies assessment, determination and develop directions still wide unexplored, but promising from directions is one.

In general when taking, there is literature artificial intellect technologies not only technician aspects, maybe psychological, pedagogical and social competencies in development potential deep illuminated. But exactly leadership abilities in development artificial of intellect application still enough at the level empirical analysis not done, this and of the subject relevance increases.

**Research methodology.** Research as shown, artificial intellect technologies based on working issued training, simulation environments, digital coaches and virtual chats in students leadership in formation traditional training to the methods relatively a more individual approach provides. Especially adapted teaching and gamification such as

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<sup>1</sup> Luckin et al. (2016) in his Intelligence Unleashed

<sup>2</sup> Luckin, R., Holmes, W., Griffiths, M., & Forcier, LB (2016). Intelligence Unleashed: An Argument for AI in Education. Pearson Education.



methodologies through leadership qualities practical in the environment formation opportunity is being created. With this together, artificial intellect technologies pedagogical to practice current to be row social, moral and technician also causing problems For example, digital inequality, personal of information privacy, emotional intellect complete understand not getting and human factor secondary to be such as risks exists. So yes, artificial intellect from technologies in use balanced and thorough thought out approach necessary.

This of the research relevance is that it is artificial intellect technologies based on in students leadership ability development theoretical the basics study, available experiments analysis to do and promising approaches to determine On this basis following scientific tasks solution to grow planned: artificial intellect and leadership competencies between dependency theoretical in terms of justification; artificial intellect tools through leadership develop experiences analysis to make; artificial intellect technologies to education in integration to the surface coming opportunity and restrictions identification; students personal leadership potential in evaluation artificial intellect based on approaches offer This article above tasks analysis to do through, artificial intellect technologies leadership competencies real impact on the formation illuminates and modern in education this direction deeper to study scientific basis creates.

Artificial intellect and in education transformation. Artificial intellect education processes customized to be For example, students to oneself typical knowledge level, interests and needs based on teaching strategies working exit possible. Leadership potential in development and artificial intellect based on analysis tools through students strong and weak sides identifying and individual development directions designation possible. artificial intellect using leadership competencies determination and development. Artificial intellect tools through students own thoughts free expression, decision acceptance to do, problems solution to make others listen such as leadership for important was skills in practice hand For example: Chatbots through collective in the works communication exercise to do; Simulation platforms in real life through decision acceptance to do circumstances study; Analytical systems through leadership circumstances analysis to do. Artificial intellect based on trainings and skill platforms. Today on the day one how many advanced platforms artificial to the intellect based leadership according to trainings offer These platforms are: Himself understanding and to changes openness encourages; Real time in mode feedback gives; Gamification through students interest increases. Advantages and probable risks. Individual approach and flexibility; In development speed and efficiency; Students between equal opportunities create advantages is considered. Personal of information confidentiality; Too much outside to technology dependency; Emotional intellect level artificial intellect complete cover unable to these and probable are the dangers <sup>3</sup>.

Artificial intellect technologies education in the system Today 's place on the day artificial intellect technologies not only industry, medicine and finance in the fields, but

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<sup>3</sup>Goleman, D. Emotional Intelligence: Why It Can Matter More Than IQ. Bantam Books. 1995 year .



education also widely in the system in scope is being used. artificial intellect training process optimization, personalization and in evaluation important role plays. In education artificial intellect following main in directions activity Powered by: Adaptive teaching systems – each individual training for the student direction presented Virtual coaches and chatbots – for students independent training on time help shows; Recommended systems – for students suitable training resources automatic selectively gives; Automated assessment – tests, essay and other of tasks automatic analysis through assessment process simplifies. Research shows that technologies training in the process not only efficiency, but also motivation and self management It also increases the level of leadership. such as many component competencies in development artificial intellect tools psychological, communicative and social factors synergistic in a way to harmonize help gives.

Leadership competence: content, structure and The role of SI in development. Leadership competence essence. Modern scientific in literature leadership competence is person's others over official or informal impact to hold to take ability as This competency is defined as: following main from components organization finds: Himself Understanding; Social mind and empathy; Decision acceptance to do ability; Communication Skills; Initiative and responsibility. Leadership not only congenital quality, maybe developable psycho-pedagogical is competence. Exactly this on point artificial of intellect help very important importance has will be.

Artificial intellect using leadership develop mechanisms. Artificial intellect technologies through leadership competencies formation following mechanisms through done increased: Diagnostics and personal assessment: artificial intellect tools through student's communicative and emotional potential analysis is done. Customized trainings and Exercises: Adaptive learning algorithms based on to leadership related assignments and stately tasks is formed. Simulation and roller Games: Real life in a virtual environment close in situations decision acceptance to do, problem solution and the team management such as skills reinforced. Feedback: artificial intellect systems student's to their actions relative real time in mode analytical reflection means, this and oneself to develop service These methods leadership competencies not only theoretical basically, maybe practical activity through to the formation ground creates.

**Results department** Current on the day one how much advanced artificial intellect platforms leadership competencies in development effective results is giving. Below some practical examples is brought: Replica artificial Coach. This is artificial intelligence. to the intellect is a chatbot based on the user with free communication He is emotional. intellect develop, idea expression, problematic in situations himself catch such as aspects exercise to do opportunity gives., Replica through permanent conversation take went students their own to oneself was confidence and leadership initiative to increase successful those who are. EdApp artificial intellect using short, clear and practical training through leadership competencies step by step teaches. Gamification, tests and motivational ratings through students active participation will come. EdApp platform especially corporate in education wide is used, but supreme education institutions also adapt for to the possibility has.



DeepCoach platform artificial intellect algorithms using to the student personal development direction offer does, goals to put and them step by step done increase teaches. This platform leadership strategy formation and in self -monitoring effective is a tool.

Above analysis done theoretical and practical information this shows that artificial intellect technologies leadership competencies in formation strong tool as is being considered. But this from opportunities effective use for technological, methodological and psychological aspects harmony required to achieve. Main attention students critical thinking, self understanding and social mind such as competencies based on to develop focus necessary.

Artificial intellect from the possibilities effective use through students leadership potential more precisely evaluation, development and monitoring It is possible. for modern education institutions artificial intellect based on technologies current to do, teachers preparation and students digital to culture to teach separately attention their attention necessary. artificial intellect human potential filler tool as, especially leadership such as complicated skills in formation strong assistant be Artificial intellect artificial intellect of education to the process integration students leadership potential identify, develop and monitoring noticeable advantages presented Research and practice from their experiences visible as it stands, artificial intellect based on analytical tools students personal features, social-interactive actions and decision acceptance to do styles to the information relied on without complex analysis to do opportunity This gives traditional assessment in methods often out of consideration aside remaining areas — for example, decision acceptance to do speed, group inside social impact, and empathy indicators — determination and quantification opportunity gives.

Practical in terms of, artificial intellect platforms adaptive training directions create through each student's individual growth trajectory support gets. Personalized assessment and again communication mechanisms ( e.g. real -time interactive simulations, role-playing games and projects according to automatic analysis ) to students own strong and weak sides more precisely perception to grow opportunity gives and qualification development accelerates. With this together, to the teachers decision acceptance to do in the process help giver diagnostic instruments lesson planning, mentoring and differentiated pedagogy practice more efficient to do help gives.

**Conclusion** as artificial, so to speak intellect — students leadership abilities in development strong pedagogical tool to be possible, but his/her positive the impact complete done increase for technological innovations pedagogical goals, ethics standards and systematic assessment with harmonization necessary. Education institutions, politics working speakers and researchers between cooperation based on done increaseable complex approaches using SI in education inclusive, clear and measurable leadership development provides.

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