

network without a correct response. The math problem in each block is extremely complex, but confirms that the solution is correct. There are several valid solutions for any given block. To solve a block, you need to find only one of the solutions [3, p. 270].

Along with all benefits that this area of engineering offers, there are some drawbacks, which should be taken into account. They are the following:

- Rate of Cryptocurrency is very flexible.
- The loss of the secret key is equivalent to the withdrawing money from your electronic wallet.
- The security and complex mathematical devices of the entire system slows down the speed of the operation.
- The profitability of mining process becomes more complicated due to the increase in the number of coins mined.

In conclusion, it should be noted that due to the popularity of cryptocurrencies, blockchain technology would become more and more widespread all over the world. Now it is implementing very fast in different areas of our life because of rapidly developing information society.

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### **The teacher's roles in the contemporary educational process**

The article attempts to examine the transformation of the teacher's role in the education process. The description of modern trends in Higher Education has been provided. The roles of teachers have been listed. The model illustrating the roles of a contemporary teacher in correlation with the lesson format and the skills to be trained has been presented.

Keywords: the teacher's roles; contemporary education; tertiary education; trends; lesson formats; skills.

Education has traditionally been considered as a very conservative field, however, the development of technology has made a significant impact on our perception of teaching methods and strategies of acquiring knowledge. It seriously makes us change our approach to the educational process on the whole, which means that specialists in the field of education will become rather popular in the future. It could be caused by the following reasons: firstly, education has begun to integrate communication and information technology much into the process of study, with help of which the delivery of the academic content occurs. Today's learner is a person who is already familiar with open online courses, simulators, trainers, online virtual worlds and etc. In fact, education is influenced by the overall digitalization trend in terms of teaching environment, content delivery, course materials format. We agree with the opinion of O. Machekhina [3, p. 27] that «all information types such as texts, sounds, visuals, video and other data from various sources have been converted into the digital language». Secondly, beyond any shadow of doubt, it provides new opportunities for the learners to acquire content knowledge they need according to their major, and also to enhance the skills such as «the ability to work with information and to enter productive states of consciousness that allow the learners to better concentrate and solve complex creative and analytical tasks» [1, p. 173]. Also, with help of new technology education is getting more targeted and customized. The learners do not need to adapt to general timetables, the wishes of the whole group. One can rather easily adapt the study to his/her individual needs, choose the format of training and the comfortable pace, focus on a desired topic or pursue an interdisciplinary course.

It is assumed that the world is changing so fast and it is a luxury to spend four or six years learning theory and then to develop and improve practical skills at the workplace just after graduation from the university. This is why education is becoming increasingly practice-focused, and the concept of comprehensive universities is being discussed in the academic community more often. These new trends impose new roles that the teacher at the tertiary level should take to facilitate active learning. J.P. McCarthy and L. Anderson described traditional classroom teaching as «lecturing being the centerpiece of instruction, where students passively absorb pre-processed information» [3, p. 279] and the major role of a teacher is to transmit information and assess knowledge. It is no longer the reality of today's world.

Nowadays, the teacher's roles could be listed as follows: «a motivator, an authority, a controller, a trainer, a moderator, a facilitator and a leader who

stimulates students to reflect on their progress» [2, p. 463]. The table describes the roles of a modern teacher, the types of lessons / activities when this role could be realized and the skills of learners to be trained in this setting.

Table 1

*The Teacher's Roles*

| Role                                 | Skills to be trained  | Lesson format  |
|--------------------------------------|---|--|
| Game educator                        | system thinking, problem-solving, multilingualism and multiculturalism, collaboration, creativity, artistic skills  | hackathon, agile command training, business game   |
| Educational track designer           | system thinking, cross-industry communication, project management, programming, interaction with other people   | design session, aquarium   |
| Trainer in the field of mind-fitness | systems thinking, ability to work under the tough conditions, development of cognitive abilities (memory, concentration)  | hackathon, world cafe  |
| Project training organizer           | teamwork, problem-solving, critical thinking, cross-discipline communication, project management, leadership, research skills   | world cafe, foresight  |
| Tutor                                | active learning that involves «learning when doing», analyze, synthesize and evaluate information, creativity, critical thinking  | aquarium, foresight, project work  |
| Moderator                            | ability to debate, ability to structure and organize thoughts, public speaking, to provide strong argumentation.  | foresight, debates   |
| Startup mentor                       | system thinking, time management, financial literacy, creativity, communicate effectively, sales experience, data analysis  | strategic sessions, visualized lectures, pools, meetings with change practitioners, social leaders |
| Ecopracher                           | critical thinking, innovative green ideas, sustainability, researches on the reduction of great amount of consumption, abilities to separate waste disposal, environmentally friendly lifestyle, reflection | workshops, conferences, foresights   |

Summing it up, the following inferences could be made: the role of teachers in the modern world is obviously changing and requires additional skills and competencies. New formats of activities and organizational forms of the lessons could foster the system of tertiary education to change the vision of a teacher from being a transmitter to becoming a multi-role trainer who is

able to inspire students to acquire knowledge. In addition, the joint efforts of university authorities together with teachers' commitment and personal motivation could make it happen, as new institutional organizations or training centers are needed. Also, it is recommended to introduce extra-curricular apprenticeship for the students of pedagogical universities to provide the opportunity for them to train the skills, needed for emerging roles of a teacher, and experience new formats of activities. It will help the latter become progressive instructors upon graduation from university.

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### **Виды аббревиатур в англоязычной социальной сети Twitter**

В настоящей статье рассматриваются вопросы использования аббревиатур в английском языке в социальной сети Твиттер. В исследовании описываются тенденции современной виртуальной коммуникации, а также изучаются способы образования аббревиатур и рассматриваются некоторые особенности употребления этих сокращений в англоязычной соцсети.

Ключевые слова: социальная сеть Твиттер; аббревиатура; сложносокращённое слово; Интернет; виртуальная коммуникация.

Активно развивающиеся в последние годы цифровые технологии