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Review analysis of the leading universities of Ukraine by world and national rankings

At the present stage of Ukraine's integration into the European Union, the issue of raising the level of education has become relevant. Therefore, an important task of higher educational institutions (HEIs) is to try to occupy the highest position in their country, as well as to join the world rankings of leading universities. For this, monitoring of the achievements of higher educational institutions and their ratings are carried out in Ukraine.

The rapid changes in the market environment, caused by the intensification of technological globalization transformations, determine the dominant role of the higher education sphere in ensuring the formation of sustainable development of the economies of the countries of the world on innovative principles. As the experience of the leading countries of the world shows, competitive higher education provides not only the needs of the economy for highly qualified personnel, but is also the engine of the country's socio-economic development, acting as a system-forming factor in further transformations of the innovation and institutional environment of the post-industrial economy [1, p.16].

In the context of the rapid development of education, in order to enhance the competitiveness of higher educational institutions of Ukraine in the educational services market, it is necessary to include an action plan for the positioning of its activities in the international information space in the overall strategy of the university.

In our time, the issue of the quality of education is extremely relevant. The ZVO rating is considered one of the main mechanisms that determines the development and improvement of the quality of education of universities in Ukraine.

Let us first consider the ranking of the University according to the world ranking holdings QS World University Rankings and THE World University Rankings, which our national universities managed to get to.

The world ranking QS World University Rankings [4] 2020 includes six universities of Ukraine V. Karazin Kharkiv National University; Kiev National University. T. Shevchenko; NTU "Kharkiv Polytechnic Institute", NTU of Ukraine "Kiev Polytechnic Institute named after I. Sikorsky ", Sumy State University and National University" Lviv Polytechnic ".

According to the version of another rating holding "THE World University Rankings" [5] in 2019, four Ukrainian universities fell into the 1001+ category: Lviv National University named after I. Franko, National University "Lviv Polytechnic", Kiev National University. T. Shevchenko, Kharkiv National University V. Karazin.

In Ukraine, the ranking of higher education institutions takes place according to two main ratings Top-200 Ukraine and VNO Ball per contract. "Top-200 Ukraine" [6] is an academic rating created in partnership with the Center for International Projects "Euroobrazovanie" and the international group of experts IREG Observatory on Academic Ranking and Excellence.

The rating "VNO score per contract" includes the average score of the certificate and the average score of VNO of applicants, in 2018 they expressed a desire to study under a contract. Thus, this rating shows the leaders among the HEIs in which the applicants for education themselves finance higher education.

In order to have more objective data to determine the leading universities in Ukraine, we will use the consolidated rating. The educational resource "Osvita.ua" [9] carried out a consolidated rating of the Western Military District of Ukraine. It

is based on the indicators of the most influential national ratings "Top-200 Ukraine" and "VNO ball per contract" and the international rating "Scopus".

The consolidated ranking of the HEI of Ukraine 2019 includes 240 universities. The methodology of this rating is as follows: each university receives a point, which corresponds to the sum of its ratings "TOP 200 Ukraine", "Scopus" and "VNO point per contract". If an educational institution was not represented in any of the ratings, then it gets the place next to the last one in this rating [9].

The consolidated rating has 7 sub-ratings: "The best classical universities of Ukraine", "The best private university", "The best Kiev HEIs", "The best HEIs in the regions of Ukraine", "The best pedagogical HEIs", "The best medical universities in Ukraine", "The best educational institutions of the region Ukraine".

According to the consolidated rating, the five best universities in Ukraine include: Kiev National University named after T. Shevchenko, NTU "Kyiv Polytechnic Institute named after I. Sikorsky", Kharkiv National University. V. Karazin, Lviv National University. I. Franko and the fifth and sixth places were shared by the National Medical University. A. Bogomolets and the National University "Kiev-Mohyla Academy".

In order to find out the disadvantages and advantages of competing universities, we will develop perception maps. For the output data of the leading universities of Ukraine, let us take their place in the ranking in QS and the indicator of the global indicator "Quality of academic staff of the HEI", which was considered by us in previous studies, namely, the number of foreign scientific and pedagogical workers involved (Fig. 1); indicators of the global indicator "Quality of the academic staff of the HEI" - the number of students and the ratio of the teaching staff of the HEI and the number of students (Fig. 2).

So, in the context of the inclusion of national universities in the global scientific and pedagogical community, we have analyzed the statistical data of the leading universities of Ukraine, give reason to believe that the positioning strategies of HEIs should be improved and, based on the experience of the leaders of world rankings, pave their paths to prosperity.