Application of innovative technologies for working with personnel reserve in higher education institutions of Russia and Indonesia

1. Introduction

At present, the sphere of education occupies an increasingly important place in the system of the development of society and economy, providing the dynamics of growth in the efficiency of the educational system and the competitive indicators. Personnel training requires effective management based on human resources and a modern material and technical base. At the same time, it is necessary to constantly develop the potential of the organization’s employees, to count on the most talented, capable and talented ones (Smilansky, 2005). It is important to continuously invest into the employees of organizations (Volchkova, & Rasskazov, 2009), predicting the order of profit gaining (Douglas et al., 2008), and also predicting the dividends that can be obtained in different areas of activity (Beloousova et al., 2016).

In different countries, there are different approaches and names of the activities of HR managers and line managers, the essence of which is to identify prospective employees, nominate them into a certain group, with which they work purposefully for its development and further more efficient use in the business process. In Russia, this is called working with the personnel reserve, in a number of European countries, talent management, in the universities of Indonesia, the assessment center. This activity is the formation, development and use of promising employees (Bazarova, & Eremina, 2007). Currently, there is no uniform understanding of this activity, and the relation between the concepts of personnel reserve and talent management is not clear (Sears, 2003; Bykova, 2010; Bednova, 2014; Chulanova, & Mokryanskaya, 2017). Nevertheless, the essence of the activity of HR managers and line managers in this matter is often similar.

At all stages of this activity, the most qualified managers use innovative technologies, including coaching, gamification, time management, etc. (Gureva et al., 2016; Werbach, & Hunter, 2015). Also, it is important to ensure the continuous development of personnel (Tsitskari et al., 2017; Azevedo et al., 2012), constantly increase motivation (van Loon et al., 2016; Kuhl, 1987; Vroom, 1964), ensure fairness in stimulating labor (Belle, & Cantarelli, 2015), the employees’ desire to reveal additional resources and talents. This is important for people working in the field of education, who constantly improve their knowledge and skills in scientific and pedagogical activities (Liu, & Perry, 2016; Cummings et al., 2016; Feinberg, 2012). A great potential for the development of the education sector and the use of the personnel reserve is in the regions. Therefore, the state’s task is to create conditions for attracting young people to small towns, regional higher education institutions, various organizations, agriculture with new ideas and innovative technologies (Androsova et al., 2016; Makushkin et al., 2016).

Positive experience of applying innovative technologies in improving the quality and effectiveness of educational activities is topical for higher education institutions. At RSSU, the use of innovative technologies in working with the personnel reserve has allowed significantly increasing the performance of personnel.
Within this framework, the study of the order of work with the personnel reserve (assessment center), the application of innovative technologies will help to identify the most appropriate forms and methods for developing the potential of managers and academic teaching staff of higher education institutions in different countries.

2. Methods
To identify the nature of application of innovative technologies in working with the personnel reserve at higher education institutions of Russia and Indonesia, a study was conducted involving two groups: one from Russian State Social University (RSSU), the other from State Islamic University Syarif Hidayatullah Jakarta – Indonesia (UINJKT). The main research tool was the author’s questionnaire, compiled on the basis of the approaches and principles of the All-Russian Center for the Study of Public Opinion (VTsIOM). The initiative survey was conducted during May-July 2017. At both universities, the questionnaire was sent to the management and academic teaching staff of all departments of the universities.

It was the university employees who participated in the survey: mainly the heads of chairs, deans of departments and their deputies, teachers; their average age was 48.3 in the case of RSSU and 47.5 in the case of State Islamic University Syarif Hidayatullah Jakarta, all with higher education. In terms of gender, the respondents were divided in favor of women (70% at RSSU).

To get more answers and increase the activity of teachers in the survey, volunteer interviewers were involved in the survey. The respondents were instructed on the procedure for completing the questionnaire.

The data obtained during the study were processed using such methods as comparative analysis, logical analysis and the methods of mathematical statistics.

As the main indicators of the use of innovative technologies in working with the personnel reserve in higher education institutions, the following ones were selected:

- whether innovative technologies were used in the higher education institution when working with the issue of inclusion into the personnel reserve (assessment center);
- whether game technologies were used in working with the personnel reserve (assessment center);
- what technologies were used in the development of the personnel reserve (assessment center);
- the nature of the application of time management in the higher education institution.

The obtained data were summarized, systematized and, on their basis, a comparative analysis was carried out of the state of work with the personnel reserve (assessment center) at RSSU and UINJKT, and of the nature of application of innovative technologies.

3. Results
In the course of the study, it was possible to establish that innovative technologies were used while including in the personnel reserve (assessment center) at UINJKT (Fig. 1).

In most cases, innovative technologies are the main ones (13%) or often used in working with succession candidates (60% of the respondents). In the same way, at RSSU, much attention is paid to innovative technologies. 20% of the respondents noted that such technologies were the main ones and 57%, that they were often used in the work with the personnel reserve.

Gamification of the processes at UINJKT is best suited for specialists (60% of the respondents) and youth (26%) (Fig. 2). At RSSU, there is a slightly different picture. The gamification of the work with the personnel reserve is relevant for both managers and youth alike (40% each). Employees with experience and of the pre-retirement age (pensioners) have a reserved attitude to gamification.

Gamification of the processes when working with the personnel reserve at UINJKT and RSSU
A comparative analysis of the list of innovative technologies used in the development of the personnel reserve made it possible to establish that coaching (40% of the respondents) took the leading place at UINJKT, while at RSSU, the leading place took mentoring (50% of the respondents) (Fig. 3).

The second place is also asymmetric in these universities. At UIN Jakarta, it is mentoring (33% of the respondents), and at RSSU, - gamification (37% of the respondents).

The optimization of time management when working with the personnel reserve is given a lot of attention. The opinions of Russian and Indonesian teachers and leaders in this matter are in agreement: 57% of the respondents believe that, in the course of development of the personnel reserve (assessment center), it is necessary to always improve one's time management. Also, none of the respondents at both universities expressed the opinion that there was no need to optimize the time management.

4. Discussion

The development of the university system involves the use in the educational process of advanced teaching methods, the introduction of innovative technologies. This is well understood by the management and academic teaching staff of Russian and Indonesian universities; so, the best practice in working with the personnel reserve (assessment center) is being introduced. In the course of the questionnaire, it was established that innovative technologies were actively used at both research institutes when working with the personnel reserve. At the same time, more than 70% at RSSU and UIN Jakarta noted that innovative technologies were the main ones or often used in working with succession candidates.

A study of the nature of the use of gaming techniques in working with the personnel reserve (assessment center) made it possible to establish that, along with the similarity at both universities of the priority of gamification of the processes for young people, there were differences in other indicators. The most significant difference is observed in the fact that it is managers who actively use gamification at RSSU, while at UINJKT there are specialists. A typical feature for the universities being studied is that the experienced employees, pre-retirement age employees and pensioners do not seek to introduce gaming methods into their professional activities. They prefer more stable labor processes, enabling them to smoothly carry out their employment duties. On the one hand, this is good and allows achieving stable, often decent results. On the other hand, in a rapidly developing competitive environment, it leads to a lag in the effective use of human potential. It is characteristic that at both universities no respondent noted cases when managers or academic teaching staff did not use innovative technologies. This indicates the creation of a promising, evolving system of the higher education institution based on increasing the capacity of the major part of the organization's personnel.

The study found that in Russia and Indonesia there were different approaches in the use of innovative technologies in the development of the personnel reserve (assessment center). At UINJKT, prevailed coaching and mentoring, while at RSSU, - tutorship and gamification.

As a result, we note that UINJKT gives priority to individual, pointwise identification and effective use of the potential of managers and faculty, while at RSSU more attention is paid to the established method of mentoring with the introduction of gaming techniques to a wide audience of succession candidates. Such technologies as secondment, shadowing and buddyng have not yet found wide application in the university environment.

The struggle for economical use of time in the performance of employment duties is typical for RSSU and UINJKT. All respondents are unanimous in assessing time management in the educational process. More than half of the respondents noted its importance.

This shows that, in the Russian and Indonesian pedagogical and management environments, time is valued very much, and people strive to make maximum use of working and personal time to increase the efficiency of their work and the activity of their students.

5. Conclusion

Increasing the efficiency of the organization is provided by many factors. One of them is skillful use of the human potential. Its assessment, development
and rational application occur during the formation, development and use of the personnel reserve (talent management, assessment center). Innovative technologies allow this process to become more organized, purposeful and effective. The results of the research show that in the sphere of education innovative technologies are actively used in Russian and Indonesian universities, the practice of which is shared with other participants in the educational process. The most popular are coaching, mentoring, tutorship and gamification. At the same time, significant differences in the development of personnel management in Russian and Indonesian universities have been revealed. Indonesian specialists give priority to individual work with personnel, using coaching and mentoring. In Russia, more attention is paid to group activities affecting the succession candidates in the course of their development with the use of mentoring and gamification. Both approaches have their strengths and weaknesses. However, their skillful use developing the potential of the managing and teaching staff of higher education institutions, which has a beneficial effect on the quality of personnel training for state structures and business. Gamification is actively introduced by young people in the educational process at the universities under consideration. A difference in attitude towards gamification is revealed: at RSSU, it is more often used by managers, while at UIN Jakarta, - by specialists. Time management is in demand in Russian and Indonesian higher education institutions. It is prioritized while dealing with the issues of increasing the efficiency of the work of the personnel and the organization as a whole. Thus, it is necessary to actively apply innovative technologies when working with the personnel reserve at universities in Russia and Indonesia, taking into account the mentality, national characteristics and specificity of introducing advanced technologies into the educational process. This will enable them to become "World Class Universities" in the near future.

Acknowledgments
The publication was prepared with the financial support of the Russian Foundation for Basic Research (RFBR), project No. 17-03-00059.

References

Revista ESPACIOS. ISSN 0798-1015 Vol. 38 (Nº 56) Year 2017

[Índice]

©2017 revistaESPACIOS.com • ®Rights Reserved

(In case you find any errors on this site, please send e-mail to webmaster)