

II INTERNATIONAL CONFERENCE
Krasnoyarsk-St Petersburg, RUSSIA
19-21 May 2021



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Economic and Social Trends
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ICEST-II 2021:
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«Lean technologies in the management of Russian universities»

Anna N. Chelombitko

Problem statement

- The practice of using lean technologies in the management of Russian universities, in particular, the work of the Association of Lean Universities, has not been sufficiently studied by researchers of university management
- what is the frequency of using various lean manufacturing tools in Russian universities?
- in what areas are Lean methods most commonly used?
- what are the prospects for using lean manufacturing methods?



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Solution methods

- The research strategy is a qualitative comparative analysis of materials about lean production projects at universities that are members of the Association of Lean Universities (11 universities). The analysis was carried out in such areas as the tools used in lean manufacturing and the scope of lean manufacturing. The research materials are reporting, presentation documents, publications and public statements of these universities and their representatives, as well as search results on the official websites of universities for the keywords “lean”, “lean manufacturing”, “lean technologies”



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Conclusions

Results, implementation

- Russian universities are in the early stages of implementing the lean manufacturing methodology. The most commonly used lean tools are Mapping, Continuous Flow, Gemba, Kaizen, Visual Factory, and standardized work, which are objectively needed at the outset. Andon, Bottleneck analysis, Hoshin Kanri, Kanban, Poka-Yoke, Heijunka are used much less frequently. However, in the future, we can recommend the introduction of at least Poka-Yoke, Bottleneck analysis and Hoshin Kanri, since they can solve many problems of university management
- In 2018-2020, lean technologies were introduced mainly in the auxiliary and service processes of universities (personnel work, paperwork, activities of admissions committees). At the next stage of implementation of lean manufacturing, universities will need to create work standards, change the organization of workplaces, and use lean tools in educational and scientific activities



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