

FRI-2G.404-1-EM-07

A PRIORI RESEARCH ON LEAN TOOLS IN BUSINESS

Adriana Simeonova, PhD Candidate

Department of Management and Business Development,
Angel Kanchev University of Ruse, Bulgaria
Tel.: +359883437295
E-mail: asimeonova@uni-ruse.bg

Assoc. Prof. Dr. Anton Nedyalkov

Department of Management and Business Development,
Angel Kanchev University of Ruse, Bulgaria
Phone: +359886934819
E-mail: anedyalkov@uni-ruse.bg

***Abstract:** This a priori research of Lean tools in business is expected to help companies, researchers and business consultants to identify the key steps in organizations applying lean business model. The purpose of this paper is to discuss the common used lean tools as part of company management and possibility for organizations to apply these instruments, including Six Sigma, TPS, TQM, Toyota style, Kaizen, Kanban, etc. The concept is to find which of them are industry applicable and how management could invest as least as possible resources to obtain as much as possible customer satisfaction including covering their demands. In most of companies mistakes are done through applying the Lean model. The conclusions drawn from the conducted research, the presented arguments, methodology, results and guidelines can be structured in the following main directions per the objective and tasks set: 1) theoretical features of 25 Lean tools are analysed; 2) opportunities to improve production system using lean tools are discussed; 3) some preliminary benefits and misunderstandings of Lean tools are demonstrated.*

***Keywords:** Lean Tools, Operations Management.*

***JEL Codes:** L23, M11.*

The paper is awarded with "Best Paper" Crystal Prize - 57th Science Conference of Ruse University, Bulgaria, 2019, ISBN 978-954-712-793-7.