

УДК 519.2:658

Формирование концепции проекта внедрения преакселератора путем построения бизнес-модели / Р. В. Фещур, Б. Б. Янивский, Г. Я. Янивская // Вісник НТУ «ХПІ». Серія: Стратегічне управління, управління портфелями, програмами та проектами. – Харків : НТУ «ХПІ», 2016. – № 1 (1173). – С. 101–105. – Библиогр.: 9 назв. – ISSN 2311-4738.

Разработана концепция проекта функционирования предприятия-оператора преакселератора. Сформирована гибкая бизнес-модель предприятия, ориентированного на поддержку и коммерциализацию креативных идей на прединвестиционной стадии проектной деятельности. Построено дерево проблем аутсорсинговых IT-компаний. Раскрыта сущность ценностного предложения преакселератора. Описано взаимодействие предприятия с клиентами. Отмечено особую роль в бизнес-модели человеческих ресурсов, которые призваны создавать и доносить до клиентов ценностные предложения. Установлены риски проекта и приведены их количественные оценки.

Ключевые слова: преакселератор, бизнес-модель, стартап-проект, стартап-компания, ценностное предложение.

УДК 005.8: 004.052.42

Планирование процессов контроля качества в крупных, географически распределенных гибридных IT-проектах / С. А. Муравецкий, С. А. Крамской // Вісник НТУ «ХПІ». Серія: Стратегічне управління, управління портфелями, програмами та проектами. – Харків : НТУ «ХПІ», 2016. – № 1 (1173). – С. 106–109. – Библиогр.: 9 назв. – ISSN 2311-4738.

Раскрыты особенности операционно-проектной деятельности в крупных, географически распределенных IT-проектах. Обозначена структура процессов обеспечения контроля качества конечного продукта. Рассмотрены современные методы интеграции процессов тестирования в процессы разработки программного обеспечения. Рассмотрены группы существующих моделей планирования и разработки программных продуктов. Дана сжатая характеристика процессов контроля качества в каждой группе. Предложены рекомендации по адаптации необходимых процессов контроля качества в гибридном проекте.

Ключевые слова: IT-проект, качество, метод, процесс, программное обеспечение, операционно-проектная деятельность.

ABSTRACTS

UDC 519.2

Non-linear dynamics of organization development / D. Bushuyev, S. Bushuyev // Bulletin of NTU "KhPI". Series: Strategic management, portfolio, program and project management. – Kharkiv : NTU "KhPI", 2016. – No 1 (1173). – P. 3–8. – Bibliogr.: 10. – ISSN 2311-4738.

The nonlinear behaviour of organizations in development projects is considered. The nonlinear behaviour is initiated in the growth of organizations and requires a restructuring of governance in identifying dysfunctions. Such a restructuring is needed in the area of soft components, determining the organizational levels of competence in the management of projects, programs, portfolios and heads of the Project Management Office. An important component of the strategic development of the organization is the proposed concept for formation and management of development programs in the context according their life cycle. It should take into account the non-linear behaviour of the soft components of the system and violation of functional processes of the organization. The specific management syndromes of projects and programs are considered. Such as syndromes time management project linked to the singular points of the project. This syndromes are "shift to the right", "point of no return", "braking at the end of the project" and others.

Keywords: dynamics, nonlinear, development, complex systems, organizations.

UDC 519.2

Model and method for synthesis of project management methodology with fuzzy input data / I. V. Kononenko, A. Aghaee // Bulletin of NTU "KhPI". Series: Strategic management, portfolio, program and project management. – Kharkiv: NTU "KhPI", 2016. – No 1 (1173). – P. 9–13. – Bibliogr.: 13. – ISSN 2311-4738.

Literature analysis concerning the selection or creation a project management methodology is performed. Creating a "complete" methodology is proposed which can be applied for managing projects with any complexity, various degrees of responsibility for results and different predictability of the requirements. For the formation of a "complete" methodology, it is proposed to take the PMBOK standard as the basis, which would be supplemented by processes of the most demanding plan driven and flexible Agile Methodologies. For each knowledge area of the PMBOK standard, the following groups of processes should be provided: initiation, planning, execution, reporting and forecasting, controlling, analysis, decision making and closing. The method for generating a methodology for the specific project is presented. The multiple criteria mathematical model and method are developed for synthesis of methodology when initial data about the project and its environment are fuzzy.

Keywords: project management methodology, Fuzzy multiple criteria decision making, synthesis method.

UDC 005.8

General mechanisms of citation system of scientific articles / V. D. Gogunsky, V. O. Yakovenko, T. O. Lyaschenko, T. V. Otradska // Bulletin of NTU "KhPI". Series: Strategic management, portfolio, program and project management. – Kharkiv : NTU "KhPI", 2016. – No 1 (1173). – P. 14–18. – Bibliogr.: 22. – ISSN 2311-4738.

Transformation competitive environment of higher education in the creation of effective mechanisms of management research encourages research teams and individual researchers to analyze their activity Publication search methods for improvement of citations of scientific publications. The paper analyzed the life cycle of scientific publications and show that the way to promote scientific articles in the world community inherent properties of Markov processes. Application of Markov chains allows obhrunuvaty need for active participation of the authors in the distribution of its publications in different scientometric databases, repositories of scientific and social networks.. Markov model to describe decomposition of scientists made certain discrete states and proposed a schematic diagram of transitions between them. The model's 5A fully reflect the properties of the system. Communication influences the probability of changing system states with consistent movement along the trajectory from a lack of information about the publication to familiarize with it because of the positive attitude to state its citation. This is a must as well as a negative attitude to the publications. Proved that improve performance citation of scientific publications in the case of using Google Scholar, ORCID, Mendeley, Academia, ResearchGate and others. The active participation of authors in their publications available in these systems leads to an increase in the proportion of articles that are available to colleagues in the global scientific community that is becoming one of the factors of increase in citations.

Keywords: publications, activity, the authors, citing the probability, Markov chain, model.

UDC 338.24

Information technology of giving definition of the complex index of quality in creating a trip route in the projects of urban passenger transport / N. V. Davidich, D. N. Bugas, N. P. Pan, I. V. Chumachenko // Bulletin of NTU "KhPI". Series: Strategic management, portfolio, program and project management. – Kharkiv : NTU "KhPI", 2016. – No 1 (1173). – P. 19–23. – Bibliogr.: 12. – ISSN 2311-4738.

It is discussed the use of an integrated index of quality in the planning of management the quality in projects of urban passenger transport in the article. It is shown some results of our research in this area. The main purpose of the study is to develop a method for determining the complex index of quality in creating a trip route in the projects of urban passenger transport. Using of statistical methods to assess complex objects allows take into account the interests of both carriers and passengers in the developing urban transport projects. In this article it is discussed a way to assess the quality

of the urban passenger transport services by defining a comprehensive index of quality. The results of processing of field studies have allowed establishing the importance of quality index for passengers in the trip route. It is valued individual index of the quality of routing tripelements.

The developed method of determining the complex index of quality in the projects of urban public transport is based on the subjective assessment of passengers, and includes the determination of individual quality index: the pedestrian component of movement, waiting time, travel time, dynamic utilization of capacity in creating the route of the trip. This makes it possible to assess the various options for urban transport projects in the interests of transport companies and passengers. The research results can be applied to project management specialists in the field of passenger transportation in the city reported.

Keywords: passenger, transportation, quality, of weighing, method, project, transport.

UDC 004.9

The synthesis and analysis Information Technology of Interactive Regulations Functional Models / V. A. Timofeev, O. N. Guca, E. A. Shherbina // Bulletin of NTU "KhPI". Series: Strategic management, portfolio, program and project management. – Kharkiv : NTU "KhPI", 2016. – No 1 (1173). – P. 24–29. – Bibliogr.: 6. – ISSN 2311-4738.

A person has no ability to capture entirely and to estimate correctly the logical coherence and consistency of Regulations in the Text Form. It leads to mistakes in a work of an Enterprise Staff and to impossibility of mastering of the Regulations with considerable volume. Presented Information Technology allows the Regulations Executor to receive on-line proper information of the Optimum Actions in any possible Situation, which can arise in the course of the work. Leading Experts of any Enterprise may create the full-fledged Expert System by themselves with the help of Specialized Software. Such a System will contain the knowledge in the Functional Model of Regulations (the Optimum Business Process). Stages of realization of the represented Information Technology and the peculiarities of on-line data displaying for the Regulations Executor are illustrated by the Pharmacy Customer Service Regulations.

Keywords: BPMN, business process, DSL, expert system, interactive (on-line) regulations, functional model, knowledge base, visual modeling regulations language, VMRL.

UDC 005.8: 37.09

Project-oriented approach to the educational process / O. M. Telizhenko, V. O. Lukianykhin, N. O. Baistriuchenko // Bulletin of NTU "KhPI". Series: Strategic management, portfolio, program and project management. – Kharkiv : NTU "KhPI", 2016. – No 1 (1173). – P. 30–35. – Bibliogr.: 13. – ISSN 2311-4738.

In the article proposed the approach to the organization of independent work of students in the university. Analyzed constraints introduction of a new system of independent work of students in project-based approach. So, traditional educational technology reveal the student's level of knowledge but not the level of competence. It is crucial to note that independent work at that - minor, auxiliary element. The student can actually qualify for the discipline and without strenuous extracurricular independent work. In turn, new educational technology is based on the opposite postulate - not to make the lecture lesson material that the student previously worked independently and did not confirm the input (previous) audits at least a minimum level of assimilation, which enables active participation in discussions, competitive in solving problems in conscious laboratory work, etc. Substantiates the use of project-based approach for traditional nobility shortcomings of the educational process. The result of the concept of project-oriented training in educational and poliprofessional project teams should be staffing companies and organizations in the form of project-oriented teams of various specialists capable of solving the entire complex tasks. The paper considered organizational and methodological base implementation approach, the advantages and disadvantages of the new method.

Key words: organization, educational process, the project team, effectiveness, training and project bureau, management.

UDC 005.8: 378.33

Using of the project-oriented approach in the innovative activity management / V. M. Pitserskaya // Bulletin of NTU "KhPI". Series: Strategic management, portfolio, program and project management. – Kharkiv : NTU "KhPI", 2016. – No 1 (1173). – P. 35–42. – Bibliogr.: 11. – ISSN 2311-4738.

The article describes the current state of science in Ukraine, indicated the main directions of research funding. The methodological approach of working out of the project-oriented strategy of innovative development of scientific activity, including the implementation of international trends and support of research is proposed. Using of project-oriented approach of research activities due to the need of reducing of the research cycle and strengthen expenditure control capabilities due to restrictions of funding research projects from the state. It should be noted that the structuring of research, given the project approach, allows engaging of the implementation of the research project professionals with good knowledge and skills and create a team activity focused on quality results. Innovations aren't still properly means the improvement of competitiveness in Ukraine. Thus the problem of transition to an innovative development model retains its relevance, that significantly enhanced in the light of current external and internal trends. Using of the project-oriented innovation management due to the need to shorten the cycle of research and to strengthen the control over the expenditure of funds in connection with the limited funding of scientific research by the state.

Keywords: project management, project-oriented approach, scientific activities, innovative development.

УДК 005.8:334

Indicative model of deviations in project / O. B. Danchenko // Bulletin of NTU "KhPI". Series: Strategic management, portfolio, program and project management. – Kharkiv : NTU "KhPI", 2016. – No 1 (1173). – P. 43–46. – Bibliogr.: 10. – ISSN 2311-4738.

The article shows the process of constructing the project deviations indicator model. It based on a conceptual model of project deviations integrated management (PDIM). During the project different causes (such as risks, changes, problems, crises, conflicts, stress) lead to deviations of integrated project indicators - time, cost, quality and content. For a more detailed definition of where in the project deviations occur and how they are dangerous for the whole project it is need to develop indicative model of project deviations. It allows to identify the most dangerous deviations that require PDIM.

As a basis for evaluation of project success has been taken famous model IPMA Delta. During the evaluation IPMA Delta estimated project management competence of organization in three modules: I-Module ("Individuals") - a self-assessment personnel, P-module ("Projects") - self-assessment of projects and/or programs, and O-module ("Organization") - used to conduct interviews with selected people during auditing company. In the process of building a indicative model of deviations in the project the first step is the assessment of project management in the organization by IPMA Delta.

In the future, built cognitive map and matrix of system interconnections of the project, which conducted simulations and built a scale of deviations for the selected project. They determined a size and place of deviations. To identify the detailed causes of deviations in the project management has been proposed to use the extended system of indicators, which is based on indicators of project management model Project Excellence.

The proposed indicative model of deviations in projects allows to estimate the size of variation and more accurately identify the place of negative deviations in the project and provides the project manager information for operational decision making for the management of deviations in the implementation of the project.

Keywords: deviations in projects, model IRMA Delta, indicators, deviations, system of indicators, cognitive map, cognitive model.

UDC 351.82:336.5

Monitoring and optimization of costs in the process of management of state programs and projects / N. V. Pavlikha, I. V. Kytsyuk // Bulletin of NTU "KhPI". Series: Strategic management, portfolio, program and project management. – Kharkiv : NTU "KhPI", 2016. – No 1 (1173). – P. 47–51. – Bibliogr.: 18. – ISSN 2311-4738.

Analysis of implementation of the most state programs or projects shows that contracting authorities (program coordinators) don't conduct a monitoring of the realization of relevant programs and projects. Successful implementation in practice of monitoring of realization of state programs and projects primarily depends on a clear understanding of the notion of "monitoring", its tasks and place in the system of management of state programs and projects. The authors note that monitoring in the system of management of state programs and projects, in the narrow sense, it is a modern kind of analysis of these programs implementation and evaluation of effectiveness of raising and use of investment funds; in a broad sense it is a formation (tracking, collection and data processing) of integrated information system on the state of implementation of programs and / or projects and use of raised funds and the data in the system are constantly updated through continuous tracking. It is noted that the establishment of a clear relationship between all of the functions of process of management of realization of state programs and projects effective their implementation will provide achieving of the goal and obtaining the anticipated results and benefits, and will allow to make the optimization of investment costs.

Keywords: state programs, projects, management, monitoring, optimization, investment costs.

UDC 338.28:338.45:620.9

Energy project management system: benefits, principles and risks / K. Y. Dedelyuk // Bulletin of NTU "KhPI". Series: Strategic management, portfolio, program and project management. – Kharkiv : NTU "KhPI", 2016. – No 1 (1173). – P. 52–55. – Bibliogr.: 7. – ISSN 2311-4738.

The essence of an effective energy project management system was described, as well as the main benefits of its implementation at the company level were characterized. Such outcomes as possible savings unlocking, improving risk management, reliability and productivity, reputational issues were described as key results from realization of an energy project management system. Among the main principles according to which an effective energy project management should be implemented the following aspects were discussed: leadership and responsibility, energy policy and energy performance, communication and continuity of energy policy. The conclusions about the main risks that may occur during implementation of an effective energy project management system were also systematized in this article.

Keywords: energy project, management system, benefits, improvement, principle, energy efficiency.

UDC 658

Coordination levels of configuration for systems and products, and projects / P. P. Savchuk, M. A. Demudyk, O. M. Sivakovs'ka // Bulletin of NTU "KhPI". Series: Strategic management, portfolio, program and project management. – Kharkiv : NTU "KhPI", 2016. – No 1 (1173). – P. 56–60. – Bibliogr.: 17. – ISSN 2311-4738.

Systems and products, and projects, which are created with the help of these systems, are characterized by appropriate configurations. Processes of these configurations management are regulated by corresponding standards. The problem of approval configurations for systems and products, and their projects is not solved in these standards. The analysis of the last achievements and publications demonstrate the responsibility of creating management process for approval configurations. The aim of the research is to reveal the place of this process and to determine levels of its research. Methods of the research are induction and deduction, system analysis and synthesis, method of analogy and modeling. The structure of the process of configurations system managements for systems and products, and their projects is solved in the research. This structure consists of two processes of configuration management, which provide the creating systems and products, and project and technological modeling. There have been proposed the creating of configurations managements of systems and products, and their projects for the abundance of project and technological process, and process of project configuration management for systems and products with creating processes of these systems and management of their configuration. There have been determined the place of this process in the structure of the process of configurations system management for systems and products, and their projects. Coordination levels of configurations are based on the system analysis of the identification of the configuration results for systems and products, management regulations of their creation, project and technological structures and regulations of projects management configuration. There have been determined four levels researches of the process for approval configurations.

Keywords: projects, systems and products, configurations, management, processes, coordination.

UDC 005.8

Development of a model representation of competencies in education projects / K. E. Kolesnikov, D. V. Lykianov, V. Yu. Vasilieva // Bulletin of NTU "KhPI". Series: Strategic management, portfolio, program and project management. – Kharkiv : NTU "KhPI", 2016. – № 1 (1173). – P. 61–65. – Bibliogr.: 22. – ISSN 2311-4738.

Value orientation of education is to expand its accessibility and the creation of a system of continuous education in the form of automated learning systems. Solution of the problem of individualization of learning is only possible in the case of kompetentsnostnogo approach allows you to structure the courses in the form of a minimum set of educational elements that form the basic knowledge and skills of students. To form the competences necessary to make a set of disciplines, with mandatory release of interdisciplinary connections. Formation of competences takes place on the basis of not only the relationship between the disciplines, and the general knowledge of the subject area. The paper deals with the structural model of relations between the competences of the national standard in Ukraine. It is shown that the relationship between the competencies objectively exist and can be used for the formation of a set of competences for which all the elements are interconnected and thus form a set of interrelated elements - the core of competences.

Keywords: projects, training model, knowledge, competence, competence matrix.

UDC 005+614.8

Managing the interaction of resource distribution in project management of implementation and functioning of emergency call systems / D. S. Kobylkin, Yu. P. Rak // Bulletin of NTU "KhPI". Series: Strategic management, portfolio, program and project management. – Kharkiv : NTU "KhPI", 2016. – No 1 (1173). – P. 66–69. – Bibliogr.: 7. – ISSN 2311-4738.

There have been proposed to use a mobile module "Resources manager" and its component model – scheme for managing the distribution of resources during the project management of implementation and functioning of System 112 in Ukraine. Are described the formalized tasks of performance the processes of managing the model – scheme at all stages of the projects life cycle. Also is developed the model – scheme interaction the blocks of mobile module of resource management at the System 112 project. It describes the step by step interaction of blocks project management with the project data for successful project implementation and obtaining a product of the project, pointing out the environmental impact of the project on each of the project blocks. The conclusions about the expediency and efficiency of implementation of model – scheme in conditions of managing the emergency call systems at a single number were made.

Keywords: System 112, resource distribution, optimization, project - oriented management, a project, mobile module.

UDC 005.8

Analysis of approaches to risk management in projects of developing complex technical products / A. Chenarani, E. A. Druzhinin, O. K. Pahudina // Bulletin of NTU "KhPI". Series: Strategic management, portfolio, program and project management. – Kharkiv : NTU "KhPI", 2016. – No 1 (1173). – P. 70–75. – Bibliogr.: 27. – ISSN 2311-4738.

The importance of complex technical products and the role of design phase in developing these products are stated. Some specific features which indicate the high degree of uncertainty and risk in this phase (preliminary design of aviation engines as a more specific case) are mentioned. Considering the importance of risk management in these situations, literature review and analysis in the field of risk management approaches and standards are performed in order to evaluate the possibility of using or developing them in further research. Differences and similarities between these approaches and standards as well as different tools and solutions are investigated. Some new approaches and trends for managing risk and uncertainty in projects are presented.

Keywords: project management, risk management, uncertainty, complex machinery, aircraft engine, preliminary design, risk management standards.

UDC 658.511.4

Methods of selecting the effective models of buildings reprofiling projects / A. Menelyuk, L. Lobakova // Bulletin of NTU "KhPI". Series: Strategic management, portfolio, program and project management. – Kharkiv : NTU "KhPI", 2016. – No 1 (1173). – P. 76–81. – Bibliogr.: 7. – ISSN 2311-4738.

The article highlights the important task of project management in reprofiling of buildings. It is expedient to pay attention of selecting effective engineering solutions to reduce the duration and cost reduction at the project management in the construction industry. This article presents a methodology for the selection of efficient organizational and technical solutions for the reconstruction of buildings reprofiling. The method is based on compilation of project variants in the program Microsoft Project and experimental statistical analysis using the program COMPEX. The introduction of this technique in the realigning of buildings allows choosing efficient models of projects, depending on the given constraints. Also, this technique can be used for various construction projects.

Keywords: process modeling, selection of effective model, experimental statistical modeling, reprofiling.

UDC 338.24

A conceptual model of the life cycle of the program / M. K. Sukhonos, A. Y. Starostina, A. O. Bohoslavets // Bulletin of NTU "KhPI". Series: Strategic management, portfolio, program and project management. – Kharkiv : NTU "KhPI", 2016. – No 1 (1173). – P. 82–86. – Bibliogr.: 5. – ISSN 2311-4738.

A conceptual model of the life cycle of the program is proposed. This model is based on the value approach. As a resulting index it uses a category of complex structural value. This model renders the process of the life cycle of the program in the context of time/result. It assumes the presence of four basic phases of the life cycle, namely, initiation, planning, executing and closing. Also, this model formalizes interconnection of management processes of integration of program and management of its community and subprocesses.

Selection of a value approach for the forming of a resulting index of a program determines by a variety of results of program. This is a result of its variety and complexity in the process of finding a criterion for evaluation. Worked out a mechanism for assessing the value of the program. It consists of four steps and involves using of conventional methods (decomposition and expert estimates). As a unit of measurement assumes to use points and rating scale with the maximum score a hundred points. A complex value, which is evaluated at one hundred points, is a result of program. It is critically important in the process of current and final evaluation of the program.

Keywords : life cycle, program, model, community, value, algorithm.

UDC 005.8:615.478

Features of the life cycle of medical projects / K. V. Koshkin, O. V. Gaydayenko, A. V. Gaydayenko // Bulletin of NTU "KhPI". Series: Strategic management, portfolio, program and project management. – Kharkiv : NTU "KhPI", 2016. – No 1 (1173). – P. 87–90. – Bibliogr.: 10. – ISSN 2311-4738.

The scheme to move the patient between the levels of care, after the reform of the health care system, the circuit has two input state of each of which is treated as a draft. A model of the life cycle of the treatment process, which is represented by a helical pattern. Presented Project Network hypothetical medical project provides an opportunity to see different paths of treatment predicted its effectiveness, as well as the time and cost to achieve it. The presented model can effectively manage the content of medical projects, make decisions in the process of determination of therapeutic projects.

Keywords: medical services, medical management of the organization, the healing process, the planning of the treatment process, the network model.

UDC 005.8

Model of the quality management system machine tool company/ K. V. Kolesnikova, A. O. Negri, H. S. Olekh, B. O. Lebedenko // Bulletin of NTU "KhPI". Series: Strategic management, portfolio, program and project management. – Kharkiv : NTU "KhPI", 2016. – No 1 (1173). – P. 91–96. – Bibliogr.: 12. – ISSN 2311-4738.

Development of models and methods such that would improve the competitive position of enterprises by improving management processes is an important task of project management. Lack of project management within the information technology and continuous improvement of methods for the management of the environment, interaction, community, value and trust, based on the strategic objectives of enterprises and based on models that take into account the relationship of the system, resulting in significant material and resource costs. In the current work the improvement of the quality management system machine-tool company HC MIKRON® and proved that the introduction of new processes critical analysis requirements for products, support processes of the products to consumers and enterprises in the formation of a system of responsibility, division of responsibilities and reporting (according to ISO 9001: 2009) is an important scientific and reasonable step to improve the level of technological maturity and structural modernization of enterprise management. For improved structure of the analysis model and test the properties of ergodicity, as a condition of efficiency, a new quality management system.

Keywords: probability, adjacency matrix, the matrix of superposition, ergodicity, Markov chain, quality management system.

UDC 005.8:502.171:620.9

Project approach to energy management / I. B. Semko, D. I. Bedrii, M. I. Babych // Bulletin of NTU "KhPI". Series: Strategic management, portfolio, program and project management. – Kharkiv : NTU "KhPI", 2016. – No 1 (1173). – P. 97–100. – Bibliogr.: 10. – ISSN 2311-4738.

Project management is widely used around the world as a tool to improve business performance. Correct implementation of the program of implementation of energy efficiency is accompanied by the adoption of an appropriate legislative framework, support programs, the approval of market-based instruments. Currently it is paying enough attention to the effective application of market-based instruments, although most of the activities in the field of energy efficiency from the economic side are quite profitable. The authors suggested the use of the methodology of project management to the management of energy-saving measures, new approaches to the place and role of project management in the hierarchy of guidance.

As a result of this innovation can improve the competitiveness of enterprises. The conclusions that the energy-saving project management allows you to get the best results for their implementation by reducing the time, resources, risk reduction.

Keywords: project approach, energy management, energy, energy efficiency projects, competitiveness, energy efficiency.

UDC 519.2:658

Formation of the project concept of start pre accelerator by way of business model building / R. V. Feshchur, B. B. Ianivskiy, G. I. Ianivska // Bulletin of NTU "KhPI". Series: Strategic management, portfolio, program and project management. – Kharkiv : NTU "KhPI", 2016. – No 1 (1173). – P. 101–105. – Bibliogr.: 9. – ISSN 2311-4738.

We have described the concept of the project of enterprise functioning, the main activity of which is the creation and implementation of training programs at the pre-investment stage and commercialize creative startups to represent them in the form attractive to investors. We also formed a flexible business model of enterprise-operator pre-accelerator at the base of Template A. Osterwalder.

We have discovered the essence of value proposition of enterprise-pre-accelerator. The company interaction with customers, among the main ones are: holders of startups, coworkings, outsourcing companies, universities, "business angels" and sponsors were described. We have disclosed the role of human resources that create and convey to customers information about developed valuable suggestions. The basic activities of created business - production, customer satisfaction and building a platform (network) were given. The risks of the project were found and their quantitative assessment was given. We noted that the successful implementation of each startup provides the appearance of not only economic but also social impact - creating new jobs, workers are provided with decent wages.

Keywords: pre accelerator, business model, project startup, startup company, value proposition.

UDC 005.8: 004.052.42

Planning Quality Assurance processes in a large scale geographically spread hybrid software development project / S. A. Muravetskiy, S. O. Kramskiy // Bulletin of NTU "KhPI". Series: Strategic management, portfolio, program and project management. – Kharkiv: NTU "KhPI", 2016. – No 1 (1173). – P. 106–109. – Bibliogr.: 9. – ISSN 2311-4738.

There have been discussed key points of operational activates in a large scale geographically spread software development projects. A look taken at required QA processes structure in such project. There have been given up to date methods of integration quality assurance processes into software development processes. There have been reviewed existing groups of software development methodologies. Such as sequential, agile and based on RPINCE2. There have been given a condensed overview of quality assurance processes in each group. There have been given a review of common challenges that sequential and agile models are having in case of large geographically spread hybrid software development project. A recommendations were given in order to tackle those challenges.

The conclusions about the best methodology choice and appliance to particular project have been made.

Keywords: software development, project, process, methodology, model, operational.