

Scientific supervisor's review on Graduate Qualification Work
«Development of intelligent tools for evaluating software development tasks within the
SCRUM framework»

by Bogdana Gerasimets

Master's thesis by Gerasimets B. is devoted to the research of software development tasks estimation within the framework of SCRUM framework in Fibonacci numbers. The direction of the research is relevant for developers and managers in the field of software development around the world.

The aim of the graduate qualification work was to create a program that will automatically estimate development tasks in Fibonacci numbers, which in turn will affect the accuracy and transparency of forecasting and planning work on software development. To achieve the goal Gerasimets B. systematized and reviewed the foreign literature, which allowed her to conduct her own empirical research together with the test team, collect a data set of development tasks, analyze patterns of development task evaluation and explore similar practical methods.

As a result of this work, Gerasimets B. presented a program based on the collected data set, which automatically scores development tasks in Fibonacci numbers and can also learn from the data that is entered into it. This program meets the research goal and can be used in development teams.


During the performance of graduate qualification work its author showed a sufficient level of theoretical knowledge, obtained during the training, to fully apply them in practice, the ability to independently set and solve applied problems, good preparation in the field of modern computer technology.

Based on the above, I believe that the Graduate Qualification Work by Gerasimets B. is made in accordance with the requirements and deserves an "excellent" grade.

Scientific supervisor,

Professor of the Department of Mathematical Modeling of Energy systems,

Dr. Sc. (Phys.-Math.) Krylatov Alexander

 / Krylatov

25 May 2021