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Review for MSc Systems and Software Engineering Program of National Research University Higher School of Economics

The Master program in Systems and Software Engineering belongs to a new educational field of software engineering and is of interest for the modern IT business. Employers currently face a shortage of highly qualified specialists and skilled workers in industrial development, maintenance and support of large software systems.

Documents presented for review include an outline of the Master program, a research workshop concept, educational curricula, descriptions of disciplines and subjects, CVs of academic staff, and certify a high potential of National Research University Higher School of Economics (HSE) as a platform for the program implementation. The curriculum is in line with international software engineering educational standards. The wide range of available disciplines facilitates the development of students' professional competencies in accordance with their personal expectations. The program covers not only theoretical aspects but also best practices of software engineering, management, and economics. Graduates of the program will be able to adjust to the changing environment of the market and identify the most efficient solutions to the problems at hand.

This is important to emphasize the large experience of European universities in this area. The joint Master program with Eindhoven University of Technology (TU/e) will contribute to the growth of academic mobility and professional skills of the HSE faculty, improve the quality of education in formal software development methods, and help students acquire practical skills in project management.

Master of Systems and Software Engineering Program at HSE has a leading position compared to other educational programs in this area. Carrier language is English, so graduates are smoothly integrated into the world software engineering community where most of professional literature and communication is in English. Also, the academic staff has made a large contribution in the body of knowledge by formulation of software engineering theoretical problems and principles.

Graduates of the Master program will be in high demand in current job market both in Russia and abroad because of the high quality of education provided by the joint efforts of HSE and TU/e.

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