Ministry of Education and Science of Ukraine





МІНІСТЕРСТВО ОСВІТИ І НАУКИ УКРАЇНИ

National University "Zaporizhzhia Polytechnic"



Department of Software Tools



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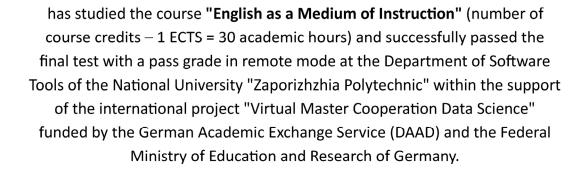




Nº VIMACS-IDEMI-2024-11

This is to certify that

Svitlana Loza



Course instructor:

Sergey Subbotin, Dr. hab. Sc., Professor, Head of the Department of Software Tools, National University "Zaporizhzhia Polytechnic"

26.05.2024

DATE





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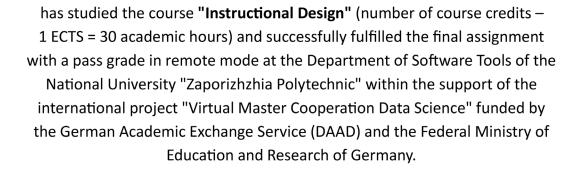




Nº VIMACS-IDEMI-2024-38

This is to certify that

Svitlana Loza



Course instructor:

Tetiana Kolpakova, Ph.D., Associate Professor, National University "Zaporizhzhia Polytechnic"

26.05.2024

DATE



