

Project name: Development and testing of Fischertechnik TXT robots for WRO competitions

Grant recipient: didacta advance d.o.o.

Short description of the project:

The project proposal "Development and testing of Fischertechnik TXT robots for WRO competitions" addresses the challenges in the development of educational robotics, with an emphasis on the integration of advanced technologies such as computer vision, artificial intelligence and programming in Python. The aim of the project is to develop and test innovative robot models adapted to World Robot Olympiad (WRO) competitions, thus ensuring their practical application in educational institutions and STEM associations. Target groups include schools, mentors and students preparing for competitions, enabling them to use advanced technologies and improve STEM competences.

Project objective and expected results:

The project "Development and testing of Fischertechnik TXT robots for WRO competitions" aims to advance educational robotics through the development of robots that use computer vision, artificial intelligence and the Python programming language. Through collaboration with FER, the project enables the transfer of expertise and the development of advanced robotic models adapted for international competitions. It is expected that the project results will enable the application of new technologies in education, stimulate the commercialization of innovative products, and strengthen the market position of the applicants in the field of STEM education.

Total project value: 14.375,00 EUR.

Total eligible cost: 11.500,00 EUR.

Grants: 9.775,00 EUR.

Project implementation period: 12 May – 9 September 2025.

Contact for more information:

Darinka Bistrović

Direktorica/Voditeljica projekta

Email: darinka@didacta.hr

Contact relevant institutions:

Competitiveness and Cohesion Operational Programme:

<https://eufondovi.gov.hr/eu-fondovi/program-konkurentnost-i-kohezija-2021-2027/>



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