The INNOTEK – Innovations from automation technology -project responds to society’s need for more future oriented technological skills and innovation learning. The project supports the implementation of the new basic education curriculum (2016) concerning the aims of technology education, especially automation technology, robotics and programming as cooperation between craft subject and mathematics and natural sciences. The project aims to enforce the phenomenon-based learning in technology education. The automation technology learning environment, which is not bound to certain facilities and is easily movable, offers the possibility to familiarise and explore electrical technology, electronics, pneumatics and material handling automation. The complete package will include structures, which enable user-friendliness for both students and teachers and programmes and a learning platform, which will enable the concrete combination of distance learning with the physical structures of technology education. The project will develop and research pedagogical models for phenomenon-based learning and teaching of technology. The project will advance the allocation of expertise of students, teachers, teacher students and teacher trainers.

The project will be coordinated by the Rauma unit of the Department of Teacher Education, University of Turku. Collaborating institutions in the project are the Turku of the Department of Teacher Education, Rauma Teacher Training School, City of Rauma Education division and Festo Didactics Inc. Festo Didactics Inc. will be responsible for delivering the physical learning environment with distance learning materials. The project is funded by the Technology Industries of Finland Centennial Foundation.


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