

COMPLEMENTARY TRAINING MANUAL FOR USERS

SKILL DEVELOPER: APSU

NAME OF THE SKILL: Programming and Technology Design

According to the WEF report, Programming and Technology Design are skills in demand for the 21st century. Those skills represent the ability to create programmes from the beginning to end and to develop a technology from scratch. Design technology is the study, design, development, application, implementation, support and management of computer and non-computer-based technologies.

COMPETENCES:

- Understanding the importance of programming and Technology Design
- Use different software's to design technologies

OBJECTIVES:

- To know each programming language is appropriated for each technology
- To know each technologies can be develop in order to simplify daily life problems
- To know how to interact with the different software used to design a technology.

OUTCOMES:

- Face the new challenges in the workplace
- Be a more useful employ and evolve in the workplace
- Improve skills
- Understand how to create new technologies
- Understand how to tackle fastidious daily live tasks

INFO ABOUT THE EXPERT:

Name: Lino Ferreira

Short bio: Lino studied mechatronics in ESPE. After the completion of his studies he went to CENFIM to take another training in the same area, mechatronics, in order to develop in depth. Lino's professional competencies are: Mechatronics technician, CNC technician, Mechatronics specialist, and mechatronics teacher. He won the Robotic National Competition in 2014, and had the opportunity to go to the Robotic World Competition in Brazil. In 2015, he did not win the national competition, however his good performance let him go again to the Robotic World Competition in China. In 2019 Lino participated in the project Robo@Factory.

Position: Electronics developer in the company Systems4You

HOW TO IMPROVE THIS SPECIFIC SKILL:

- **Link to the podcast:**
- <http://lacjum.8p.pl/fs2022/IO1/pod/4/1.mp3>

- **Videography:**
 - Fusion 360 Tutorial
<https://www.youtube.com/watch?v=A5bc9c3S12g>
 - KiCAD Tutorial
<https://www.youtube.com/watch?v=-tN14xIWWmA>

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