

COMPLEMENTARY TRAINING MANUAL FOR USERS

SKILL DEVELOPER: APSU

NAME OF THE SKILL: System Analysis

According to the WEF report, System Analysis is a skill in demand for the 21st century. System Analysis is the process of collecting data and after interpreting and studying that data having in mind the identification of possible problems. In order to achieve that is necessary to decompose the system into its components and understand each part individually. Another way to explain System analysis is it's the evaluation of a particular system to identify the areas of improvement and make any necessary enhancements, if required.

COMPETENCES:

- Better understanding of complex problems
- Looking into small parts of complex problems
- Identifying weak spots
- Improving and correcting

OBJECTIVES:

- Improves in building design systems.
- Understanding of complex structures
- Gives advantages in understanding and comparing the subsystems functions with complete system.

OUTCOMES:

- Better chances of job promotion
- Understanding the reasons for problems
- Applying analysis to daily life issues
- Being able to assess the consequences of things
- Being able to tackle bigger problems and issues in the future

INFO ABOUT THE EXPERT:

Name: Raquel Amaral

Short bio: Raquel Amaral has a degree in Informatics and Computing Engineering from the Faculty of Engineering of the University of Porto. She is a professor with professional qualification in service certified by the Universidade Aberta. Worked with Information Systems Analysis at CICA as a student at FEUP. Right now she still does some work in Systems Analysis as a freelancer for several companies. As a teacher she has taught at several institutions, both in higher and secondary education. Between 2006 and 2007 she taught at ISMAI, from 2013 to 2015 she taught at EPROFCOR, in 2018 she trained in game programming, and has been working as a teacher since 2004 at Escola Profissional de Espinho and Externato Oliveira Martins.

Position: ICT teacher at ESPE and EOM.

HOW TO IMPROVE THIS SPECIFIC SKILL:

- **Link to the podcast:**
 - <http://lacjum.8p.pl/fs2022/IO1/pod/10/1.mp3>
- **Videography:**
 - UML Tutorial
<https://www.youtube.com/watch?v=UI6lqHOVHic>
 - UML Use Case Diagram Tutorial
 - <https://www.youtube.com/watch?v=zid-MVo7M-E>

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