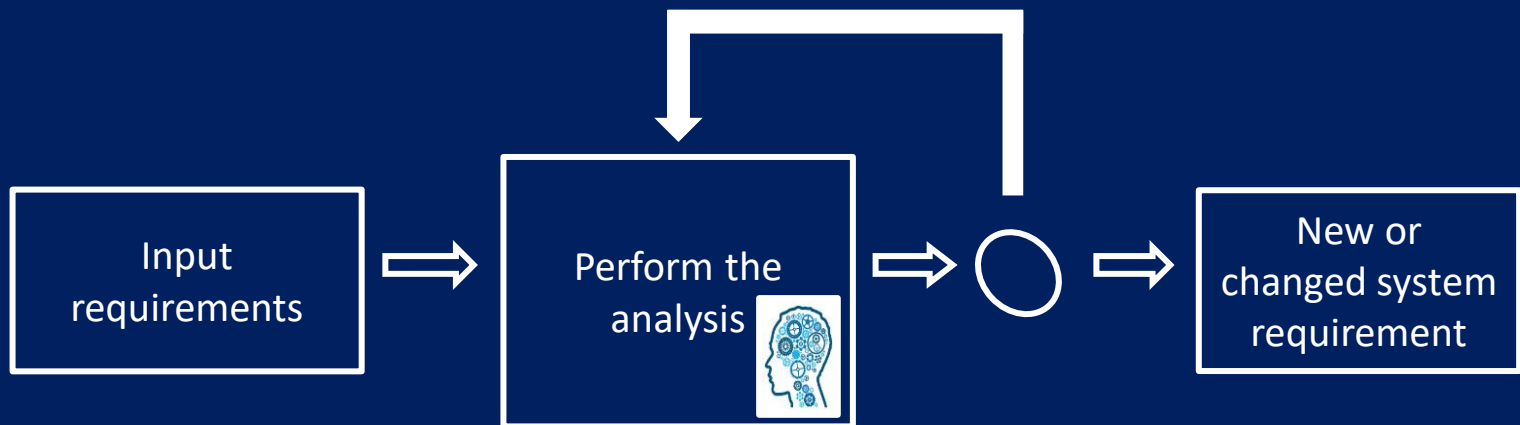# Performing the Analysis of Requirements

SOPHIST

Requirements analysis is the process of specifying the user's expectations of a system to be developed. It is the enclosure of all the tasks that are performed to identify the needs of the different stakeholders.

Input requirements → Perform the analysis → ◯ → New or changed system requirement

What to do when analyzing?

- ✓ Identify the right requirements
- ✓ Separate requirements
- ✓ Derive abstract requirements
- ✓ Refine requirement
- ✓ Define missing requirements
- ✓ Improve the requirement's quality (unambiguous, consistent specification, …)

Definition

Identify the right requirements	Search for the correct subject in the input requirement and derive the requirements for your considered system.
Separate requirements	Write a separate requirement for every functionality on your system and each non-functional property.
Derive abstract requirements	Define for each detailed functional and non-functional input requirement a requirement that is more abstract.
Refine requirement	Describe the process of a functional and the impacts of a non-functional requirement.
Define missing requirements	Inspect the conditions, properties and interfaces. Complete the requirement at the highest level of abstraction.
Improve the requirement's quality	Increase the quality of each input requirement. Ensure completeness, consistency and unambiguity for each system requirement.

To learn how to use these activities in the context, check out our SE training.