

Module 2: Heuristics and Metaheuristics

Session 2.1: Concept of Heuristics and Metaheuristics

Students learn about approaches for discrete combinatorial optimization problem that students should give examples of industrial problems. Also, students learn what is metaheuristic? students should divide types of metaheuristics.

Questions:

What are advantages and disadvantages of the heuristic approaches?

Answer:

Advantage	Disadvantage
It can provide some quick and relatively inexpensive feedback to designers.	It requires knowledge and experience to apply the heuristics effectively.
You can obtain feedback early in the design process.	Trained usability experts are sometimes hard to find and can be expensive.
Assigning the correct heuristic can help suggest the best corrective measures to designers.	You should use multiple experts and aggregate their results.
You can use it together with other usability testing methodologies.	The evaluation may identify more minor issues and fewer major issues.
You can conduct usability testing to further examine potential issues	