

Using Problem-Solving Techniques, cont.

2020-04-21

Course(s) Used:

- Team and Small Group Communication

Goals and Objectives:

- Students can describe tools commonly used for testing and implementing solutions

Rationale:

Testing and refining are neglected phases in many projects, especially in student projects.

Materials Needed

Materials:

- None

Technology:

- Classroom computer and projector

Outline of the Lesson

1. Review of previous session's content
2. Reflective Thinking uses 5 steps
 - A. Identify and define the problem¹
 - B. Analyze the problem
 - C. Generate several possible solutions²
 - D. Evaluate options and select the best solution or combination of solutions³
 - E. Test and implement the solution
 1. Prototyping
 2. Flowcharts
 3. Action chart
 4. Gantt chart
3. Lesson closing

¹ A detailed discussion of this step is included in other lessons

² A detailed discussion of this step is included in other lessons

³ A detailed discussion of this step is included in other lessons

Variations and Accommodations

Follow guidance from local accommodation authorities.