

Training On Problem Solving Skills

Overview:

“The program teaches that problem behaviors arise because students lack constructive ways to deal with thoughts and feelings and instead resort to dysfunctional ones. It is designed to help students learn to slow down, stop and think and generate multiple solutions to any given problem. Problem solving is important both to individuals and organizations because it enables us to exert control over our environment. Problem solving gives us the mechanism for identifying these things, figuring out why they are broken and determining a course of action to fix them. The process of working through details of a problem to reach a solution, Problem solving may include mathematical or systematic operations and can be gauge of an individual’s critical thinking skills. Problem solving training is employed to help the students to learn how to become more adept at utilizing constructive coping skills. Students are taught to use multistep process to inform the way in which they respond to a challenging situation.”

Objective of Training on Problem Solving Skills

- Students will learn valuable techniques and methodologies to expend their critical thinking abilities.
- Students will discover techniques to enable them accurately define a problem so they will be sure they are working on the problem itself and not the symptoms.
- They will mind the gap between the problem and procrastination and recognize the common pitfalls encountered when problem solving.
- Recognize when to consult and involve others in the process of problem solving and decision making.
- Utilizing appropriate and useful techniques such as Mind Mapping, Brainstorming, Diagrams, Lateral Thinking Techniques, Evaluation Techniques and SWOT Analysis.
- Overcome barrier to effective problem solving and utilize group problem solving techniques.

Prerequisites to learn Problem Solving Skills Training

- Engineering students can learn Problem Solving Skills.
- Person having eagerness to solve a problem/complex problem can learn Problem Solving Skills.
- Active mindset of a person who can involve himself in the problem solving process.

What you will learn in this course

- **Make the impossible possible.** Knowledge alone is not the key to solving problems but rather, complimenting it with systematic problem solving approaches makes the difference. This helps individuals and organizations overcome perilous challenges.
- **Makes you a stand out.** People are trained to do the usual. They have acquired skills and knowledge in what they do. However, people can hardly solve problems when they are unexpected or unprecedented ones. If you become a regular problem solver at your institute/workplace, you are easily noticed, recognized, and appreciated.
- **Increased confidence.** No matter where you study or work or what your branch or profession is, having the ability to solve problems will boost your confidence level. Because you are sure of your ability to solve problems, you don't spend time worrying about what you will do if a problem should arise.

Who this course is for?

- Anyone who wants to learn Problem Solving Process.
- Individual who wants to learn Problem Solving Techniques.
- All the students (B.Tech or Management) who are interested in problem solving.
- Working professionals who want to enhance their skills on problem solving.

- Individuals wanting to add on a skill in their professional pursuits.

Course Outline:

No.	Modules	Methodology	Assistance	No. of hours
01	Introduction Defining the problem/Creating awareness on the nature of the problem.	Presentation	Pictures, Video clips Multimedia, Computers.	2
02	What is a problem? Give instructions for the activity. Listing problems, discussing about problems and arriving at conclusions.	Presentation Individual activities Group activities	Zoop card. Zoop card board. Flip chart paper. Marker pen. Multimedia. Computers	4
03	What are the causes of problems? Provide instructions on conducting activities to explain problematic situations, discussion and arriving at conclusions.	Presentations Group activities Role plays	Flip chart paper. Flip chart board. Multimedia. Computers.	4
04	Building alternatives for problematic situations Identifying the nature of the problem and create alternatives. Assess all alternatives and use the best selected alternative.	Presentations Group activities	A4 Papers Glue/ Sellotape Flip chart paper, Board, Multimedia, Computers.	4
05	Analyzing the problem Identifying the nature of the problem Listing the	Presentations Case study Brain storming	Flip chart paper. Flip chart board,	3

	solutions to the problem Executing the solutions.	Acting out Group activities	Multimedia. Computer, Marker pen.	
06	Importance of using strategies in solving problems	Assessing ideas and group suggestions	Flip chart paper, Flip chart board. Marker pen	5
07	Positive impact in solving problems (Advantages & Disadvantages) Importance of using problem solving techniques	Presenting discussions	Flip chart paper. Flip chart board. Multimedia. Computers.	4
08	Summarizing	Presentations	Flip chart paper. Flip chart board.	4