



**EXCEL**  
INTERNATIONAL

## **Course Name: Creative Problem Solving**

### **1. Course Module Structure**

This course is divided into 10 structured modules designed to enhance creativity, analytical thinking, and practical problem-solving skills. Each module focuses on developing the ability to generate innovative solutions, overcome obstacles, and apply creative strategies in both academic and real-world scenarios. Learners progress from understanding basic concepts to mastering advanced problem-solving techniques through practical exercises, case studies, and hands-on activities.

### **2. Module, 3. Topic & 4. Module for 10**

#### **Module 1: Introduction to Creative Problem Solving**

Topics:

- What is creative problem solving?
- Importance in everyday life
- Characteristics of creative thinkers
- Common challenges in problem-solving

#### **Module 2: Problem Identification**

Topics:

- Recognizing problems accurately
- Breaking down complex problems
- Root cause analysis
- Defining clear problem statements

#### **Module 3: Idea Generation Techniques**

Topics:

- Brainstorming methods
- Mind mapping
- SCAMPER technique
- Divergent thinking exercises

#### **Module 4: Evaluating Solutions**

Topics:

- Criteria for solution assessment
- Weighing pros and cons

- Risk evaluation
- Feasibility analysis

### **Module 5: Decision Making in Problem Solving**

Topics:

- Decision-making frameworks
- Prioritizing options
- Handling uncertainty
- Making informed choices

### **Module 6: Lateral Thinking and Innovation**

Topics:

- Thinking outside the box
- Challenging assumptions
- Creative thinking exercises
- Encouraging unconventional ideas

### **Module 7: Collaboration and Team Problem Solving**

Topics:

- Working effectively in teams
- Group brainstorming
- Conflict resolution
- Leveraging diverse perspectives

### **Module 8: Tools and Techniques for Creative Solutions**

Topics:

- Design thinking principles
- SWOT analysis for ideas
- Prototyping and testing
- Using creative software tools

### **Module 9: Applying Creative Problem Solving**

Topics:

- Real-world case studies
- Academic and professional scenarios
- Problem-solving simulations
- Reflection and learning

### **Module 10: Practice and Assessment**

Topics:

- Scenario-based problem-solving exercises
- Feedback and improvement
- Creative challenges and competitions
- Final evaluation and skill consolidation