



EXCEL
INTERNATIONAL

Course Name: Innovation Thinking for Students

1. Course Module Structure

This course is divided into 10 structured modules designed to develop creative problem-solving, innovative thinking, and idea implementation skills. Each module builds progressively, helping learners generate new ideas, evaluate possibilities, and apply innovative solutions in academic, professional, and real-life contexts.

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

Module 1: Introduction to Innovation Thinking

Topics:

- What is innovation thinking?
- Importance in personal and professional life
- Characteristics of innovative thinkers
- Barriers to creativity

Module 2: Observation and Idea Generation

Topics:

- Observation skills for innovation
- Identifying opportunities
- Brainstorming techniques
- Asking insightful questions

Module 3: Creative Problem-Solving

Topics:

- Basics of creative problem-solving
- Approaches: lateral vs linear thinking
- Overcoming mental blocks
- Solution-oriented mindset

Module 4: Understanding Challenges and Needs

Topics:

- Identifying problems clearly
- User-centric thinking
- Mapping needs and opportunities
- Evaluating challenges critically

Module 5: Identifying Assumptions and Constraints

Topics:

- Hidden assumptions in ideas
- Recognizing limitations
- Fact vs perception
- Avoiding bias in ideation

Module 6: Decision-Making for Innovation

Topics:

- Steps in innovative decision-making
- Prioritizing ideas
- Assessing risk and feasibility
- Making informed creative choices

Module 7: Implementing Ideas

Topics:

- Prototyping concepts
- Testing and iteration
- Resource management for innovation
- Bringing ideas to life

Module 8: Evaluating and Improving Ideas

Topics:

- Feedback collection and analysis
- Identifying strengths and weaknesses
- Enhancing ideas
- Continuous improvement

Module 9: Applying Innovation Thinking

Topics:

- Real-life innovation case studies
- Academic and project applications
- Group ideation and collaboration
- Practical exercises

Module 10: Practice and Assessment

Topics:

- Creative thinking exercises
- Scenario-based innovation challenges
- Peer and mentor feedback

- Final evaluation and reflection