€TRAINING

Breakthrough Innovation with Systematic Inventive Thinking

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Introduction:

This training program provides participants with structured methodologies for generating innovative solutions to complex challenges. It equips individuals and teams with the tools and mindset needed to systematically approach problem-solving and unlock new opportunities for creative breakthroughs.

Program Objectives:

At the end of this program, participants will be able to:

- Understand the principles and fundamentals of Systematic Inventive Thinking.
- Apply SIT methodologies to identify and define innovation opportunities.
- Generate creative ideas and solutions using structured ideation techniques.
- Evaluate and select the most promising ideas for implementation.
- Implement SIT strategies to drive continuous innovation within their organizations.

Targeted Audience:

- Innovation managers and leaders seeking to enhance their organization's innovation capabilities.
- Product development teams aiming to generate breakthrough ideas and solutions.
- Entrepreneurs and business owners looking to differentiate their products or services in the market.
- Creativity and innovation enthusiasts interested in learning systematic approaches to problem-solving.
- Employees and teams committed to fostering a culture of innovation and continuous improvement within their organizations.

Program Outlines:

Unit 1:

Introduction to Systematic Inventive Thinking:

- Understanding the principles of Systematic Inventive Thinking SIT.
- Exploring the history and evolution of innovative thinking methodologies.

- Learning about the five techniques of SIT: Subtraction, Division, Multiplication, Task Unification, and Attribute Dependency.
- Examining real-world examples of breakthrough innovations achieved through SIT.
- Setting expectations and objectives for applying SIT in problem-solving and innovation.

Unit 2:

Subtraction Technique:

- Understanding how the Subtraction technique works to generate innovative ideas.
- Learning how to apply Subtraction to products, services, and processes.
- Practicing Subtraction exercises to remove essential components and identify new opportunities.
- Analyzing case studies of successful innovations derived from Subtraction.
- Brainstorming and ideating using Subtraction to solve specific challenges.

Unit 3:

Division Technique:

- Exploring the Division technique and its role in promoting innovation.
- Understanding how Division breaks a system into parts to generate new ideas.
- Applying Division to break down products, services, and processes into constituent elements.
- Generating novel concepts by rearranging or recombining divided elements.
- Evaluating case studies to illustrate the effectiveness of Division in creating breakthrough innovations.

Unit 4:

Multiplication Technique:

- Delving into the Multiplication technique and its applications in fostering innovation.
- Learning how Multiplication creates variations of existing elements to generate new possibilities.
- Identifying opportunities to multiply elements within products, services, and processes.
- Generating innovative ideas by duplicating or modifying existing components.
- Reviewing examples of successful innovations achieved through Multiplication.

Unit 5:

Task Unification and Attribute Dependency Techniques:

- Understanding the Task Unification technique and its role in innovation.
- Learning how Task Unification assigns additional functions to existing elements to create value.
- Exploring the Attribute Dependency technique and its impact on generating innovative solutions.
- Applying Attribute Dependency to establish relationships between product attributes for novel outcomes.
- Practicing Task Unification and Attribute Dependency exercises to stimulate creative thinking and problem-solving.