



WORKSHOP ON **INNOVATION FOR BUSINESS**



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2 days Instructor Led Training program

01 Workshop Overview

- This 2 day workshop focuses on learning TRIZ Innovation skills to solve business problems and is aimed at senior organisation members who are have ability to initiate and nurture change in their organisation.
- Program objective is to equip participants with skills to solve business problems innovatively and go with solutions at the end of the session.
- It is necessary that all team members either individually or in groups of three identify a business problem to be investigated and resolved using the innovation principles.
- Basic Innovation tools and methodologies will be learnt using case studies and exercises and then deployed by the teams.
- The candidates attending the program will get a participation certificate after submitting a response to the case that is assigned during the program.

02 Why Building and using Innovation Skill

- We are increasingly asked “to think out of the box” – but lack the guidance or the methodology to do so.
- Traditional approaches like focused brainstorming helps us create many ideas but few actually solve the problem.
- Innovation is a skill that can be learned and developed through practice.
- It helps us to identify contradictions in problems faced and use a systems thinking approach to understand the interlinkages.
- Helps us to discover solutions very close to ideality that is also practical and easy to deploy.

03 How will the program benefit the participants and the sponsoring organizations?

- Help participants to conduct Ideality thinking and problem solving.
- Learn techniques on identifying and formulating a conflict.
- Use Basic TRIZ Innovation tools to identify solutions and evaluate them.

04 USPs of the program

- Focused on application of basic TRIZ Innovation techniques in Business environment.
- Case studies and examples are related to organization processes and business so that participants can easily relate to.
- Structured process to drive innovation to solve problems is elaborated which is time tested across organizations globally.

05 Who can attend?

The course is suitable for those who and those who are able to influence processes, business systems and people. No prior technical knowledge in any field is a pre- requisite for this program. People who are convinced that they are creative and can find newer and better solutions to today's business problems are ideal candidates for this program.

Participants are expected to use yED Graph editor for this program to create RCA+ Charts. Fully operational version of this software can be downloaded from:

<https://www.yworks.com/products/yed>

06 Workshop Curriculum

Recognizing the need is the primary condition for design.

- Charles Eames

DAY ONE | First Half

Introduction to Business Innovation

- What is an Innovation
- How different it is from an Invention
- The urgency to Innovate
- Technology Innovation vs Business Innovation

How TRIZ helps in Innovation and problem solving

- Background on TRIZ as an algorithm for solving inventive problems.
- Overcoming mental inertia
- Challenges with technology innovation and the traditional paths of idea generation
- Defining Ideality
- Thinking in contradictions

Perception mapping

- Defining the problem to solve using perception mapping
- Group Activity

Understanding current situation

- Defining objectively the current situation
- Defining the multiple requirements for the targeted situation in the problem selected
- Group Activity

DAY ONE | Second Half

Multi- screen diagram

- Visualizing the future
- Systems Thinking in terms of system, sub system and super system
- Gaining momentum to visualize system evolution
- Group activity

Ideality and Ideal solutions

- Defining Ideal situation

Contradictions

- Understanding function- useful / harmful
- Contradictions as root cause for problems to exist
- Framing the contradiction
- Group activity

RCA+ Root contradiction analysis

- Conducting an RCA + for a problem using the software
- Group activity

DAY TWO | First Half

RCA+ continued – identifying the key contradictions to be solved for the problem as hand

Resource thinking

- Current resources identified
- Using the current resources to solve the contradictions

40 Inventive principles for Business

- Understanding the 40 principles
- Applications in a business scenario

DAY TWO | Second Half

Contradiction matrix for Business

- Identifying the principles to be used for solving the contradictions
- Generation of innovative ideas
- Group activity

Evaluation and selection of ideas using MCDM- Multi Criteria Decision Matrix and Ideality requirements.

Final group presentations

Applications of TRIZ and way forward

About QAI

Founded by William Perry, USA in 1980, QAI is a transnational consulting company facilitating quality and process improvement in organizations worldwide. With presence in 30 countries and 700 successful client journeys, QAI has evangelized process improvement, operational excellence and quality in India and globally. QAI has trained 180,000 professionals and certified over 40,000 people.

About QGLUE

QGLUE is the design and innovation arm of QAI. It brings a unique Design and Innovation led human-centred approach to building products, services and businesses – making future living better with happier people. QGLUE equips people to solve wicked problems by helping them reach a solution that is not just right, but also desirable.

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