

Problem Solving using TRIZ Methods, Indore - A REPORT

Indian Society for Quality conducted its first event at Indore a two-day course on “Problem Solving Using TRIZ Methods” by course instructor Prof. Prakash R. Apte, Founder and President, APTennovate, Pune on 26-27, July 2019 at Sayaji Hotel, Indore.

Objective:

The goal of all industries is to seek innovative solutions to engineering problems, quickly and with fewer resources. This is required to improve their products and processes so that they can create enhancements above and beyond the technologies developed in countries like the USA, UK, Japan etc. thus enabling them to be set free from the clutches of perpetual dependence on foreign know-how.

However, human nature, specialist training, habits, paradigms and the working environment constrain our innovative thinking. This is called "psychological Inertia" and it has to be overcome to obtain innovative solution concepts for the chronic technical problems.

TRIZ is the only scientifically based systematic methodology that overcomes this "psychological inertia". TRIZ has been proven to produce a large range of fundamentally strong solution concepts in a much shorter time scale even when resources are very limited. TRIZ solutions directly result in improved products at reduced cost.

ISQ in its objective to spread the awareness on Quality, innovation and improve its reach to different industrial hubs in India, was happy to conduct the program on TRIZ Methodology at Indore when Prof. Apte came forward to conduct the program for ISQ.

This course introduces all the main TRIZ tools so that delegates can first identify the "inventive" problem and then find several "innovative" solutions for the same.

About the faculty

Professor Apte joined Indian Institute of Technology at Mumbai after having 30 years of research experience at the Tata Institute of Fundamental Research, Mumbai. He has since retired as Emeritus Professor from IITB and started his own company APTennovate for Training and Consultancy in TRIZ Innovation and Taguchi Optimization. For the last 20 years he has been practicing the new method of Russian origin, called “TRIZ – Innovative problem solving”, and its potential in innovative problem solving and opportunity creation. In the past 18 years, he has conducted over 130 CEP “open” and “in-house” courses, 40+ of which have been for Mahindra and Mahindra, training over 500 engineers and solving over 250 problems. In last 3 years alone, he has conducted courses 36 TRIZ courses and 8 Taguchi courses.



Event details:

Course content was designed and delivered by Prof. Apte. 20 participants from SRF Limited, Cipla Limited and Mahindra 2 wheeler division, Indore participated in the program.

Mr. J Ravikant, Sr. Vice President, SRF Limited, Governing Council member of ISQ inaugurated the program.

The program was interwoven with theory on TRIZ and examples of case studies from the participant industries.

ISQ thanks Prof. Apte for the planning, execution of the program, preparing an excellent reading material for the participants. The program also helped ISQ in increasing its presence at Indore. ISQ express its thanks to SRF Limited team at Indore in helping in organizing the program. The course will benefit the participants and their organisations in driving innovations assisted by the systematic approach of TRIZ.