

Theory of Inventive Problem Solving

Date: 5th September 2020

Innovative research focuses on creating new ideas, analyzing problems, diagnosing them and identifying their causes. It requires developing skills in inventive problem solving.

Dr. Wankhede was speaker for this session. Session was attended by undergraduate students, faculty involved in active research and research scholars pursuing PhD.

Dr. Sandeep Wankhede has done PhD in Mechanical Engineering and is pursuing Post Doc on 'Efficacy of Triz Tools on creativity of an individual, Sponsored by Triz Association of Asia and GenTriz, Boston USA.

He is TRIZ level 3 MATRIZ US certified and has a patent to his credit on 'Solving a social problem by Triz'.

He is a consultant, Triz Asia Chairman, resource person and Associate Professor and Head, Department of Production Engineering, AISSMS college, Pune.

He has expertise in Academics, Administration, Research and Innovation, has 2 years of Industry Experience and 22 years in academics.

He is involved in training and consultancy to Bajaj Auto, Crompton Greaves, Tata Motors, Hindalco, Forbes Marshal etc.

SANDEEP H WANKHADE

AREA OF INTEREST & RESEARCH

TRIZ, Industry 4.0, New Product Development, Sustainability, Hybrid Manufacturing

ACADEMICS

Post Doc – Pursuing on ‘Efficacy of TRIZ tools on creativity of an individual’, sponsored by TRIZ Association of Asia & GenTRIZ, Boston, US

PhD: 2017 – Mech/Prod Engg, SRTM Univ, MS, India. Guide- Dr B M Dabade

ME: 2001 – Manufacturing Technologies, Thapar Institute of Engg & Tech, Patiala

BE: 1994 - Production Engineering, Amravati Univ, MS, India

DESIGNATIONS

Chief Evangelist & Consultant, TRIZ Asia
Chairman, TRIZ Chapter (pan India) &
Resource person - TRIZ certification, at
TRIZ Association of Asia, Mumbai
Associate Prof & Head, Prod Engg
(Sandwich)
AISSMS College of Engg, Pune

PROFILE

Nurtured with a rich blend in four major
areas - **Academics, Administration,
Research & Innovation**

WORK EXPERIENCE

Industrial – 2 yrs, Academics – 22 yr
Involved in Training and/or active
Consultancies at Bajaj Consumers,
Crompton Greaves Consumers Electrical
Ltd, Bajaj Auto, Tata Motors, Fleetguard
Filters, Hindalco, SB Energy, Forbes
Marshall, Laxmi Machine Works, Vishay
Components etc. and their vendors

CERTIFICATIONS

TRIZ: Level – 3, MATRIZ, US.

Mentors: Dr Alex Lyobominskiy, Mr Valeri Souchkov, Mr Shree Phadnis,
Dr Sergie Ikovento, Dr Oleg Feygenson, Dr Simon Litvin

Six Sigma: Lean SS Black Belt

Software: Flexsim, V-CNC, Vidwan (Expert system)

ACHIEVEMENTS

Introduction to Industry 4.0 and IIOT: Topper among 785 certified in the course
conducted by IIT Kharagpur & NPTEL, Ministry of HRD, Govt. of India

Creative Thinking - Techniques and Tools for Success: Grade Achieved: 95%
course authorized by Imperial College London offered through Coursera

Patent published- Solving a social problem by TRIZ (Theory of inventive
problem solving)

Coordinated Institute to achieve A+ grade (3.29/4.0) by NAAC, Bangalore, India

Facilitated a unique drive of One Faculty - One Industry association

Nurtured relations with 200+ industries

Stood 2nd –State level Research convention, Avishkar 2018

**Felicitated at SPP University Pune for contributing in winning overall trophy in
Avishkar 2018.**

Developed 3 Innovative mechanisms

Published 14 research papers

Delivered 30+ invited lectures at International & National levels

Contributed in Industry education partnership Cell of Govt. of Maharashtra