

The Institution of Engineers (India)

(Established 1920, Incorporated by Royal Charter 1935)

Presents

QUALITY CONVENTION-2022 & QUALITY INNOVATION AWARD-2022

THEME

**“ENHANCING PRODUCTIVITY THROUGH
QUALITY IMPROVEMENT,
SAFETY INTERVENTION & COST REDUCTION”**

September 24-25, 2022

at

Dehradun, Uttarakhand



Jointly Organised by

Safety and Quality Forum-IEI

&

Uttarakhand State Centre - IEI

in association with

Disaster Awareness & Management Forum-IEI

Last Date : 01st Sept., 2022
for
Invitation Quality
Innovation
Award 2022

THE INSTITUTION OF ENGINEERS (INDIA)

The Institution of Engineers (India) is the largest multidisciplinary professional body of 2 Lakh engineers that encompasses 15 engineering disciplines and gives engineers a global platform from where to share professional interest. Established in 1920, with its headquarter at Kolkata. IEI has served the engineering fraternity for over nine decades. In 1935, IEI was incorporated by Royal Charter and remains the only professionals body in India to be accorded this honour. Today, its quest for professional excellence has given it a place of pride in almost every prestigious and relevant organization across the globe. IEI functions among professional engineers, academicians and research workers.

It provides a vast array of technical, professional and supporting services to the Government, Industries, Academia and the Engineering fraternity, operating from 125 Centres located across the Country. In addition to that IEI has 6 Overseas Chapters in the Middle-East. Besides the above there are 8 entities like Safety and Quality Forum, Sustainable Development Forum, National Design & Research Forum, Water Management Forum, Rural Development Forum, Engineering Staff College of India, Disaster Awareness & Management Forum and National Skill Development Forum, who regularly conducts continuing education programmes and awareness generation activities on contemporary issues.

IEI is Member of various international professional bodies like World Federation of Engineering Organisations, World Energy Council, World Mining Congress, Federation of Engineering Institutions of Asia and Pacific, Federation of Engineers Institution of South and Central Asia and many other professional Societies and Associations in the World and is contributing to the betterment of world society as a whole. It is indeed an honour that IEI has received the permanent membership of International Professional Engineers Agreement, IPEA (formally the Engineers Mobility Forum) which enables mobility and gives recognition to Indian Engineers.

ABOUT THE ORGANISERS

Safety and Quality Forum - IEI

Safety & Quality Forum was established by The Institution of Engineers (India) at New Delhi in 2003, to focus on engineering aspects that contribute towards the improvement in Safety & Quality in Engineering Profession. Forum has been actively involved in disseminating knowledge in the field of Safety and Quality for the last more than a decade.

Disaster Awareness and Management Forum - IEI

The Disaster Awareness and Management cell, located at the IEI Uttarakhand State Centre, Dehradun, was operational since the calamity of Kedarnath shrine area in 2013 and has been extending technical co-operation and assistance in natural calamities e.g. landslide, cloud bursting, earthquake etc, keeping in close liaison with the Disaster Management Department, Government of Uttarakhand. The Council at its 709th meeting held on July 30-31, 2021 at Hyderabad decided to upgrade the Cell to Disaster Awareness and Management Forum (DAMF) of IEI.

Uttarakhand State Centre - IEI

Uttarakhand State Centre is located near ISBT, Dehradun, it is a landmark in the city of Uttarakhand. It has played a crucial role in uniting various professional societies right from its inception. Uttarakhand State Centre has organized various successful activities which include International and National Conferences, Council Meetings, All India Seminars, Round Table Conferences and Workshops relating to different strategy of engineering and having crucial impact on society. State centre has State-of-Art Auditorium and Civil & Computer Engineering Laboratories in its campus.

ABOUT NATIONAL CONVENTION

Since improving productivity is vital in today's competitive world, a clear understanding of the term productivity is essential. Businesses have to operate in a highly competitive market place and whatever business you are in, it is imperative, especially in today's turmoil and economic situation, that a real focus is placed on methods to deliver superior quality through a process of enhanced productivity and at the same time reduce the costs by eliminating wasteful activities and failure.

There are so many "theoretical" ways or processes that could be implemented and indeed, have in many organization. However, these do not always work and deliver the desired outcomes. "Cost Cutting" is no longer the solution to sustainable profitability, the key to success is finding creative ways to prevent wasteful activities.

This conclave has been designed to examine the real issues and concentrate on areas that make a dynamic impact so that productivity can be improved, quality is enhanced and there is a contact philosophy of cost reduction through efficiency and diligence.

- To encourage the application of technical progress to the economic and social advancement throughout the world.
- To advance engineering as a profession in the interest of all people.
- To faster cooperation and the exchange of information.
- To study issues concerning engineering education, continuing professional development and qualifications of engineer.

THEME OF NATIONAL CONVENTION

Enhancing Productivity through Quality Improvement, Safety Interventions & Cost Reduction.

Sub-Themes

- ISO Certifications interventions in improving Quality of Industry.
- Quality improvement and Cost Reduction Methods.
- Importance of Productivity in ensuring growth of Industry.
- Importance of people vs. processes integration in ensuring Best Quality Assurance & Productivity.
- Essential elements of increasing workforce productivity.
- Implementing latest techniques in identifying areas of Poor Productivity due to Poor Quality.
- Techniques of identifying various types of organizational waste.
- Significance of establishing internal and external benchmarking.
- Implementing cost reduction strategies.

- Corrective & Preventive Action Management (CAPA).
- Significance of implementing Cost Reduction Strategies in order to meet changing global, statutory and market conditions.
- Implementing Lean and Agile philosophies.
- Case Studies :
 - Demonstrating how improved Quality will also lead to Monetary Saving.
 - Improving Productivity & Quality through Root Causes Analysis (RCA) methods.
 - Implementing a Kaizen System
 - Implementing Six Sigma

BENEFITS FOR PARTICIPANTS

Understanding on :

- Understanding the importance of enhancing productivity
- How to analyze the “actual” reasons why desired outcomes are not met
- Cost analysis techniques
- Eliminating wasteful activities
- Improving quality through personal diligence
- Root cause analysis and taking appropriate action
- Advantages of cost reduction
- Cost of good quality
- Internal failure costs and external failure costs
- Failure costs of poor quality
- Quality improvement initiatives
- Understanding of people vs. process issues
- Implementing appropriate activities to enhance productivity

ABOUT THE AWARD

Safety & Quality Forum's Quality Innovation Award has been instituted in this year with a view to encourage Indian manufacturing and service organizations to strive for excellence and giving special recognition to those who are considered to be the leaders of Quality movement in India.

Quality Innovation Awards 2022 will be presented at the 1st Quality Convention 2022 during September 24-25, 2022 at Uttarakhand State Centre - IEL, Dehradun.

This Award is one of the most prestigious awards for organizations who have excelled in the field of "quality", either in manufacturing sector or in service sector.

Safety & Quality Forum's Quality Innovation Award would help Indian Industry to improve quality by:

- a) Encouraging Indian Industry to make significant improvements in quality for maximizing consumer satisfaction and for successfully facing competition in the global market.
- b) Recognizing the achievements of those organizations which have improved the quality of their products and services and thereby set an example for others;
- c) Establishing guidelines and criteria that can be used by industry in evaluating their own quality improvement efforts.

FREQUENCY

Safety & Quality Forum's Quality Innovation Award would be conferred annually.

Benefits to the Applicant Organizations

- It will enable the organization to assess its own level of commitment to quality. It will also indicate the extent to which this commitment is being deployed through every level of the organization and in all areas of activities.
- Further, after the process of self-assessment is completed, the organization will be in a position to analyze its strengths and weaknesses.
- Winning this award brings not only recognition to the organization but also confidence of the public in the products or services provided by the organization.

BENEFITS TO THE AWARD WINNERS

- Award winning organization(s) will be reckoned as champions of quality movement in India.
- Award winners can publicize their achievements on their printed and publicity material.
However, if a unit of an organization is selected for the award, it will be permitted to publicize its achievements on the printed and publicity material of that unit only, and not that of entire corporate body.
- Awards will be presented in a glittering ceremony in presence of top ranking personalities from government, professional bodies, industry, and consumer associations.
- Award winners may have leverage in business on being recognized as the best.

AWARDS AND COMMENDATION CERTIFICATES

There shall be maximum three awards in each category of manufacturing organizations and minimum one award for large scale and micro, small & medium scale manufacturing organizations. There shall be maximum Five awards in service sectors and one award is for BEST OF ALL Award. In addition, And there are eleven commendation certificates, three each for large scale and micro, small & medium scale manufacturing organizations as per **industrial sectors** given below:

- i) Bio-technology industry
- ii) Chemical industry
- iii) Electrical and Electronic industry
- iv) Food and Drug industry
- v) Gems, Jewellery and allied
- vi) Metallurgical industry
- vii) Textile industry
- viii) Civil/Machanical/Infrastructure industries.
- ix) Packaging Industries
- x) Healthcare/Pharma Industries
- xi) Hospitality Industries

Further, there are seven commendation certificates each for large scale and micro, small & medium scale service organizations in the following sectors: Education Information Technology Finance Utilities Health Care Others. The other awards will consist of a certificate and a plaque, silver salver of 20 cm diameter.

The commendation certificate will consist of a certificate and a plaque, silver salver of 15 cm diameter.

ELIGIBILITY TO COMPETE FOR THE AWARD

An organization is eligible to compete for the award, if it satisfies all the following conditions:

- a) Applicant organization is located in India.
- b) Applicant organization has been in existence for at least three years as on last date of the application.
- c) Applicant organization is situated at one place or a unit of an organization housed at one location.
- d) Applicant organization has not been convicted by any court for deficiency in product or service and/or found guilty of financial irregularities by any regulatory authority or court for the last three years prior to and including the period for which applying. An undertaking to this effect will have to be submitted.
- e) Applicant organization is not manufacturing product like tobacco, liquor etc which are injurious to health.

A Sub-unit which performs only support functions for the parent organization such as sales, marketing, distribution, finance, human resources and health are not eligible. [A Sub-unit is a Unit or Division of a larger organization (Parent organization) which owns or has organizational and/or financial control of sub-unit].

ASSESSMENT CRITERIA

The assessment for large scale organization will be made on the basis of nine parameters, namely, Leadership; Policies, Objectives and Strategies; Human Resource Management; Resources; Processes; Customer focused results; Employees' satisfaction; Impact on environment and society; and Business results.

The assessment for micro, small & medium scale organization will be made on the basis of six parameters, namely, Leadership; Human Resource Management; Processes; Customer focused results; Impact on Environment and Society; and Business results.

DATE & VENUE

- September 24-25, 2022
- **Uttarakhand State Centre - UKSC**, Saharanpur Road, Near ISBT, Dehradun, Sewla Khurd, Uttarakhand-248002

Call for Papers Submission of Papers : September 01, 2022

Guidelines for Submission of Paper

Full length paper, having abstract, keywords and references, may be submitted for

assessment of the Technical Committee. The paper should be prepared on A-4 size sheet with a margin of 1.5 cm on all sides. Paper should be in MS Word format in 10 points New Times Roman typed and single line spacing. Length of the paper is requested to be up to 6-pages. On acceptance of the Paper, the author sending longer paper will be requested to edit, otherwise the technical committee will exercise its right to edit.

Paper is to be sent in hard copy as well as soft copy on CD or through e-mail.

An undertaking has to be sent that the paper has not been published/presented/submitted elsewhere.

Papers depicting the advancement in theory and practice of managing Quality issues will be preferred.

AWARD PARTICIPATION FEES

(i) The award application fees of Large industries for processing @ 50,000/- + GST

(ii) The award application fees for MSME for processing @ 30,000/- + GST

Note : Every applicant organization will be offered one complimentary participant to the convention, with full facilities of registered delegate.

(iii) Indian Delegates registration fees : Rs. 5000/- each - + GST

(iv) IEI member Delegates registration fees : Rs. 2500/- . - + GST

REGISTRATION FEE INCLUDES

- Participation in all Sessions of the Convention
- Delegate Kit
- Opening & Closing Ceremonies (Spouses will be invited guests)
- Buffet Lunch/Dinner and Tea/Coffee.

REGISTRATION FOR THE CONVENTION

Complete the Registration Form in capital letters (preferably type written) and submit along with the Registration Fee to the Convention Secretariat. Application Form can be downloaded from website: www.ieiuksc.org

PAYMENT

Payments for delegate Fees, Advertisement & Sponsorship will be accepted through NEFT/RTGS/Online transfer/ Bank Draft/Banker's Cheque to be made in favour of

The Institution of Engineers (India) UKSC,
Bank Account No. : 2444101008594, IFSC Code : CNRB0002444
Bank: Canara Bank, Branch: Clement Town, Dehradun

SPONSORSHIP

Category of Sponsors	Amount (Privileges)
Main Sponsor	Rs. 2.0lacs (5 Delegates free)
Co-Sponsor	Rs. 1.5 lacs (3 Delegates free)
Associate Sponsor	Rs. 0.50 lacs (2 Delegates free)

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Note : For further enquiry, please contact to

Shri Dinesh Kumar
Chairman, SQF-IEI
M: 9810718565

Shri Dharam Chandra
Chairman, IEI-UKSC
M: 9627602023

Shri S. C. Goel
Chairman, DAMF-IEI
M: 9319392745

Shri R. N. Rajpoot
Council Member-IEI
M: 9717649404

The Institution of Engineers (India)

Uttarakhand State Centre - UKSC

Saharanpur Road, Mazra, Near ISBT, Dehradun, Uttarakhand-248002

Ph.: +91-135-2641190, Email: uttarakhandsc@gmail.com _Website: ieiusc.org, www.sqfiee.in.